# KOVAI KALAIMAGAL COLLEGE OF ARTS AND SCIENCE
## Annual Report For The Year 2019-2020

## Department of Computer Science

1. **Faculty Profile**

| S.No | Name of the Faculty | Designation | Experience | | Qualification Approval No |
|---|---|---|---|---|---|
| | | | **College** | **Industries** | |
| 1. | Dr..M.Sengaliappan | Dean | 16 years | 9 | 14272 / A2 / 2002 |
| 2 | D.Umanandhini | Assistant Professor&HOD | 14Years-7 Months | Nil | 15887/A3/2008 |
| 3. | Mr P.Ponsekar | Assistant Professor | 11 | Nil | 7601/A2/2009 |
| 4. | Ms.P.M.Sajida Mariyam | Assistant Professor | 1 Year11 Months | Nil | - |
| 5. | Mrs.A.Nivedha | Assistant Professor | 1Year 3 Months | Nil | - |
| 6. | Ms.R.Dharani | Assistant Professor | 1Year 1 Month | Nil | - |

2. **Recognized Guides for M.Phil**

| S.No | Name of the Faculty | Specialization | Guide Recognition No. | No of Scholars | |
|---|---|---|---|---|---|
| | | | | **Pursuing** | **Completed** |
| 1. | Mr.M.Sengaliappan | Advanced Networking | 52235 / A3 / 2007 | 1 | - |
| 2 | D.Umanandhini | Data Mining | 3925/A2/2009 | 1 | 1 |
| 3. | Mr P.Ponsekar | Advanced Networking | 7601 / A2 / 2009 | - | 4 |

3. **Recognized Guides for Ph.D**

| S.No | Name of the Faculty | Specialization | Guide Recognition No. | No of Scholars | |
|---|---|---|---|---|---|
| | | | | **Pursuing** | **Completed** |
| 1. | Dr.M.Sengaliappan | Advanced Networking | 4110-3/A2/2017 | - | - |

4. **Awards / Recognition received by faculty**

| S.No | Date | Name of the Faculty | Award | Name of the Event | Name of the Agency/Institution |
|---|---|---|---|---|---|
| 1. | Nov - 2019 Oct-2020 | Dr. M. Sengaliappan | End Semester Examination | 100% result in Software Engineering, Mobile Computing. | KKCAS |
| 2. | Nov - 2019 Oct-2020 | D.Umanandhini | End Semester Examination | 100% result in E-Commerce, Cloud Computing | KKCAS |

| S.No | | | | | |
|------|--|--|--|--|--|
| 3. | Nov - 2019 Oct-2020 | Mr. P. Ponsekar | End Semester Examination | 100% result in Advanced Java programming | KKCAS |
| 4. | Nov - 2019 Oct-2020 | Ms.P.M.Sajida Mariyam | End Semester Examination | 100% result in Data Structure,C#.Net,Graphics and Multimedia. | KKCAS |
| 5. | Nov - 2019 Oct-2020 | Mrs.A.Nivedha | End Semester Examination | 100% result in PHP & MySQL,C++,Cyber law and practices | KKCAS |
| 6. | Nov - 2019 Oct-2020 | Ms.R.Dharani | End Semester Examination | 100% result in Software Testing,Web Technologies, Java programming. | KKCAS |

## 5. Faculty served as resource person

| S.No | Date | Name of the Faculty | Name of the Programme | Venue |
|------|------|---------------------|-----------------------|-------|
| 1. | 19.09.2019 | Dr. M. Sengaliappan | Debugging Contest | KKCAS |
| 2 | 1.10.2019 | Dr.M.Sengaliappan | Intercollege Naional level symposium"Info Thirst 2019"organized by department of computer science. | Angappa College of Arts &science |
| 3 | 14.10.2019 | B.Karthikeyan, D.Uma Nandhini & A.Nivedha | CSR Activity conducted for Govt Girls Higher Secondary School Thondamuthu Topic - Open source & Computer hardware | Govt Girls Higher Secondary School Thondamuthur |
| 4 | 16.10.2019 | B.Karthikeyan & Mr.Jagadesh | CSR Activity- Demo class on Computer Hardware | Govt Girls Higher Secondary School Thondamuthur |

## 5. 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 | | | NIL | | |

### 6. 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 | D.Umanandhini | International Journal of Recent Technology and Engineering (IJRTE) | Gaussian Mixture Model Based Hierarchical Clustering in Prediction of Autism spectrum Disorder | Volume-8 | Page no:5751-5756 | Sep 2019 | ISSN:2277-3878 Impact Factor: 5.92 |
| 2 | Mrs.R.Dharani & Dr.M.Sengaliappan | Conference Proceedings "Third National Conference on Advanced Computing" | Review On ChallengesThreats,Security,Issues And New Treands Of Underwater Wireless Senser Networks. | - | 431-436 | DEC 19 | Impact Factor:5 |

### 7. Presentation of Papers by Faculty in Seminar/Conference

| S.No | Date | Name of the Faculty | Title of the paper | Venue |
|------|------|--------------------|--------------------|-------|
| 1 | 23.01.2020 & 24.02.2020 | Mrs.R.Dharani & Dr.M.Sengaliappan | Review On Challenges Threats ,Security, Issues And New Treands Of Underwater Wireless Senser Networks | Third National Conference on Advanced Computing.Bharathiar University |

### 8. Participation by Faculty in Seminars / Conferences / Workshops  / Training Programme

| S.No | Date | Name of the Faculty | Name of the Programme | Venue |
|------|------|--------------------|----------------------|-------|
| 1 | 06.07.2019 | Dr.M .Sengaliappan | Planning and Writing Successful Grant Proposals in the Science, Arts And Humanities. | Kongu Arts and science college, Erode. |
| 2. | 19.09.2019 | Ms.P.M.Sajidamariyam | Applications on deep learning in artificial intelligence | Dr.N.G.P. College of arts and science |
| 3. | 19.09.2019 | Mrs.D.Umanandhini | Career Guidance program | Bharathiar university. |
| 4 | 17.08.2019 | Ms.D.Umanandhini | Awareness On Revised Naac Norms And Procedures. | SNGC College of arts and science,Coimbatore. |

| 5. | 20.09.2019 | Mrs.D.Umanandhini | Cyper security education and awareness-K7 | Hotal Vijay Elanza, Coimbatore. |
|---|---|---|---|---|
| 6. | 28.09.2019 | Dr.M.Sengaliappan Mrs.D.Umanandhini Mr P.Ponsekar Mrs.A.Nivedha Ms.R.Dharani | A one day Workshop on "Intellectual Property Rights" conducted by IPR Cell. Mr. Dr.Parimelazhagan Thangaraj, Professor, Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore. | Auditorium |
| 7. | 27.01.2020 & 28.01.2020<br><br>14.2.2020 | Mrs.D.Umanandhini<br><br>Mrs.A.Nivedha | NAAC Sponsored Two days Nation workshop on"Quality Assessment and accreditation under revised Accreditation framework".<br><br>National Level Seminar on Future of artificial Intelligence. | Avinashilingag Institute For Home Science And Higher Education For Women.<br><br>Dr.N.G.P College of arts and science,Coimbatore. |

### 9. Faculty Development Programmes Attended

| S.No | Date | Name of the Faculty | Name of the Programme | Resource Person | Venue |
|---|---|---|---|---|---|
| 1 | 12.06.19 to 25.06.19 | Dr.M.Sengaliappan<br><br>Mrs.D.Umanandhini<br><br>Ms.P.Saidamariyam | "Harnessing Outcome Based Teaching-Learing Perspective" | Dr.S.U.Praba,professor and head Sri Ramakrishna Engineering College, Coimbatore. | CIET, Coimbatore |
| 2. | 23.07.2019 to 25.07.2019 | Dr.M.Sengaliappan | Introduction to Angular JS. | Mr. Dinesh Kumar Gandhi ICT Academy of Tamilnadu. | Sankara Arts and Science College of Commerce . |
| 3 | 26.7.2019 | Dr.M.Sengaliappan | Developing innovating teaching Methods in digital age to keep students engaged. | Mr.Arun IBS-ICFAI Coimbatore. | Hotal GAC Pride, Coimbatore |
| 4 | 14.09.2019 & 15.09.2019 | Ms.P.M.Sajidamariyam | "Cracking NET/SLET Exams" | Mr.K.Narayanan NET/SLET Trainers | Seminar Hall |
| 5 | 20.09.2019 | Mrs.A.Nivedha | Python Programming | Mr.Amir Assistant profrssor Karpagam College Of Engineering & Technology | Karpagam College Of Engineering & Technology |

| 6 | 13.11.2019 to 21.11.2019 | Ms.P.M.Sajidamariyam | "Global Business Foundation Skills" | Ms.Asha Ms.Srivdya Mr.Harish | Infosys BPM Ltd, Mysore. |
|---|---|---|---|---|---|
| 7 | 17.08.2019 | Dr.M.Sengaliappan Ms.D.Umanandhini Mr P.Ponsekar Ms.P.M.Sajidamariyam Mrs.A.Nivetha Mrs.R.Dharani | Teaching Methodologies & Teacher Qualities | Dr.D.Muthuraj,Advisor Koval Kalaimagal College of arts and science. | KKCAS |
| 8 | 05.08.2019 | Mr.P.Ponsekar | EBSCO IEEE Lunch &Learn \| Knowledge Feast | Dr.Ramalatha Marimuthu & Mr.Francis Staples | Hotal GAC Pride, Coimbatore |
| 9 | 27.08.2019 | Dr.M.Sengaliappan | ICT -Academy - CSR Convergence Meet-2019. | Mr.Laksmi Narayanan, Chariman Cognizant Solution Chennai & Dr.P.V.Somanadhan IAS Assistant Cheif Secreatry,Planning development &special Goverment of India. | ITC Chola Grand Guindy, Chennai. |

**10.** Webinar attended by faculty:

| S.No | Date | Name of the Faculty | Topic  of the Programme | Organized By |
|---|---|---|---|---|
| 1 | 11.04.2020 | Dr.M.Sengaliappan | Business opportunity self presentation | |
| 2 | 13.04.2020 | P.Ponsekar & Dr.M.Sengaliappan | Learning Tools and Techniques by Mr.Naseerali MK | LEEDS ACADEMY |
| 3 | 13.04.2020 | P.Ponsekar | FDP on Research Prospects of Artificial Intelligence by Dr.P.Shanmugavadivu, Directorr , IQAC, The Gandhigram Rural Institute , Dindugal | Veller College for women |
| 4 | 14.04.2020 & 16.04.2020 | P.Ponsekar | Python | Spoken Tutorial , IIT , Bombay & Hindusthan CAS |
| 5 | 15.04.2020 | Dr.M.Sengaliappan | what cloud be possibility of bonding gap between institutions and industries | |
| 6 | 17.04.2020 | P.Ponsekar | Pyton - online Test | Spoken Tutorial , IIT , Bombay & Hindusthan CAS |

| 7 | 18.04.2020 | P.Ponsekar & Mrs.D.Uma Nandhini | Recent trends in data analytics | Nandha Subramaniam, Rathinam CAS |
|---|---|---|---|---|
| 8 | 20.04.2020 & 21.04.2020 | P.Ponsekar & Mrs.D.Uma Nndhini, Dr.M.Sengaliappan , Ms. Tharani | Two Day FDP on Virtual Teaching by Prof.Chanda Jain Hyderabad | Coimbatore Institute of Technology |
| 9 | 21.04.2020 to 24.04.2020 | P.Ponsekar | JAVA Tutorial | Aaron Technologies |
| 10 | 21.04.2020 to 24.04.2020 | P.Ponsekar | Learning Tools , Leading in VULA world" , Digital Knowledge | ICT Academy |
| 11 | 22.04.2020 | P.Ponsekar | Digital Media Analytics | Accent Techno Soft |
| 12 | 22.04.2020 | P.Ponsekar | Healthy food and Hapy Life | Dr.SK Krishna |
| 13 | 22.04.2020 to 24.04.2020 | P.Ponsekar & Mrs.D.Uma Nndhini | Recent Trends in Artificial Intelligence and Impact on Teaching Profeesionals | RVS CAS |
| 14 | 23.04.2020 | Dr.M.Sengaliappan | fuzzy interpolative systems and Applications | IEEE Hydraabad joint chapter of IEEE CIS / GRSS |
| 15 | 24.04.2020 | P.Ponsekar | Online Test - Level Your Proficiency in English | Central Law college, Salem |
| 16 | 24.04.2020 | P.Ponsekar & Mrs.D.Uma Nndhinivedha , Mrs.A.Nivedha | Stress Management | Ms.Sasirekha ji and Srinivasan ji |
| 17 | 24.04.2020 | P.Ponsekar & Dr.M.Sengaliappan | Blockchain and Etherum by Karthick , seniour programmer , ELGI Equipments Ltd | SNMV CAS |
| 18 | 25.4.2020 to 30.04.2020 | D.Umanandhini | Online FDP on NAAC Revised Accreditation Framework-Issues and Challenge | Sri Krishna CAS |
| 19 | 28/4/2020 | D.Umanandhini | NAAC Criteria and their key Indicators | The Gandhigram Rural Institute Organized by:  Sri Krishna Atrs&Science College |
| 20 | 24.04.2020 | D.Umanandhini | Workshop on Stress Management | Art of Living |
| 21 | 25.04.2020 to 29.04.2020 | D.Umanandhini | Online Faculty Development Program During Covid 19 Lockdown in association with spoken tutorial, IIT Bombay & MHRD Govt of India | IIT Bombay & MHRD Govt of India |
| 22 | 08-05-2020 | D.Umanandhini | Machine Learning using Python | Brainswig Technology |

| 23 | 18/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Inaguration of the Session | Kovai Kalaimagal College of Arts and Science |
|----|-----------|----|----|----|
| 24 | 19/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Moodle Learing Management System | Kovai Kalaimagal College of Arts and Science |
| 25 | 20/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Google Classroom | Kovai Kalaimagal College of Arts and Science |
| 26 | 21/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Teachers Holistic Approach Post Covid-19 | Kovai Kalaimagal College of Arts and Science |
| 27 | 22/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Teching-A Profession and Teacher-A Professional | Kovai Kalaimagal College of Arts and Science |
| 28 | 23/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Education 4.0 | Kovai Kalaimagal College of Arts and Science |
| 29 | 14/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Recent trends in Machine Learning | Kovai Kalaimagal College of Arts and Science |

| 30 | 15/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Doom inPalm-Hidden Threats of Mobile Usage | Kovai Kalaimagal College of Arts and Science |
|----|-----------|-------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------|
| 31 | 16/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Basics of Data Analytics | Kovai Kalaimagal College of Arts and Science |
| 32 | 18/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Introduction about Big Data and Analytics Applications | Kovai Kalaimagal College of Arts and Science |
| 33 | 19/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Writing an Effective Research paper means and methods using Latex | Kovai Kalaimagal College of Arts and Science |
| 34 | 20/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Internet of Things | Kovai Kalaimagal College of Arts and Science |
| 35 | 18/5/2020 to 23/5/2020 | Dr.M.Sengaliappan<br>Ms.D.Umanandhini<br>Mr P.Ponsekar<br>Mrs.A.Nivetha<br>Mrs.R.Dharani | Challenges in Higher Education during Post Covid-19(IQAC) Dr.Priya Narayanan,NAAC Assistant Advisor,Bengaluru Dr.J.V.Madusudhan,Department of Education and Education Technology,School of Social Sciences,Universityof Hydrabad | KKCAS |
| 36 | 25/4/2020 to 30/4/2020 | Ms.D.Umanandhini<br>Mr P.Ponsekar | Online FDP on NAAC Revised Accreditation Framework-Issues and Challenges | Sri Krishna College of Arts and Science, Coimbatore |
| 37 | 16.5.2020 | Ms.D.Umanandhini | Webinar on "Role of Robotics in Healthcare" | Karpaga Vinayaga College of Engineering and Technology |

| 38 | 9.5.2020 | Ms.D.Umanandhini | India First Leadership Talk webinar | MHRD Innovation Cell |
|----|----------|------------------|-------------------------------------|---------------------|
| 39 | 1.5.2020 | Ms.D.Umanandhini | FACULTY DEVELOPMENT CENTRE IN COLLABORATION WITH ELSEVIER (Under the Aegis of PMMMNMTT, MHRD, Govt. of India) | KURUKSHETRA UNIVERSITY, KURUKSHETRA |
| 40 | 14.5.2020 | Ms.D.Umanandhini | Al APPLICATIONS AND ITS TRENDS IN TRANSFORMING BUSINESS | RBVRR WOMEN'S COLLEGE Affiliated to Osmania University Reaccredited By NAAC with 'B++' G r a d e |

### 11.Major Research Projects Sanctioned

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

### 11. Minor Research Projects Sanctioned

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

### 12. Monographs by Faculty

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

### 13. Faculty Pursuing M.Phil

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

### 14. Faculty who completed  M.Phil

| S.No | Name of the Faculty | Area of Research | Month & and year of Completion |
|------|---------------------|------------------|--------------------------------|
| 1.   | MS.R.Dharani        | Networking       | Nov 2019                       |

**15. 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 |

**16. Faculty Completed Ph.D**

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

**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 | 20.06.2019 | Bridge Course for I Year UG Students | Students gained the knowledge in Basic computer skills |
| 2 | 20.08.2019 | Inauguration of Science Association "SCIENTIA 2019" & Guest Lecture on "Effective usage of Social Media & Corporate Expectation from the Freshers"<br><br>**Resource Person:** Mr.Imran Ahamed, Director, Infinite Edge Training Consultancy, Coimbatore. | Students gained knowledge on usage of Social Media and Corporate Expectation from the students. |
| 3 | 04.01.20 to 20.01.20 | Conducted a Webinar on E-Marketing | 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 |
| 4 | 27.2.2020 | National Level Technical Symposium"WIZARUZ 2020"<br><br>**Resource Person:** Dr.Shyam Prashad Rajasekaran, Founder and CEO TwirlTact Technology Pvt., Lrd., Coimbatore | The students were able to improve their skills in various areas and solve the real world problems. |

| 5 | 06.02.2020 | Hands on Training "Digital Marketing" | Mr.Mohan Georage,Gyanamite Consultant, |
|---|---|---|---|
| 6 | 3.10.2019 and 4.10.2019 | Cloud Literacy Day | ICT Academy,Dr.M.Sengaliappan,Mrs.D.Umana ndhini,C.Senbagavalli |
| 7 | 26.06.19 to 28.06.19 | Bridge course in Computer Science | Value Added Course on Bridge in Computer Science was attended by the students and faculty members of the Department of Computer Science. The student's enthusiastically participated session. Knowing computer, Making Small Presentation, Understanding Word Processing, Communications and collaboration |
| 8 | 14.05.2020 | Webinar on Recent Trends in Machine Learning | Students familiar with regression methods, classification methods, clustering methods Students identify machine learning techniques suitable for a given problem |
| 9 | 15.05.2020 | Webinar on Doomin Palm-Hidden Threads of Nobile Usage | Understand a variety of generic security threats and vulnerabilities, and identify & analyze particular security problems for given application. |
| 10 | 16.05.2020 | Webinar on Basics of Data Analytics | Students understand the key issues in big data management and its associated applications in intelligent business and scientific computing Understand fundamental techniques and principles in achieving big data analytics with scalability and streaming capability |
| 11 | 18.05.2020 | Webinar on Introduction about Big Data &Analytics Applications | Students understand the tools required to manage and analyze big data like Hadoop, NoSql MapReduce. Students understand the perspectives of big data analytics in various applications like recommender systems, social media applications etc |
| 12 | 19.05.2020 | Webinar on Writing an Effective Research Paper means and Methods using LaTeX | Students understand the Typeset mathematical formulae using LaTeX Use various methods to either create or import graphics into a LaTeX document.. |
| 13 | 20.05.2020 | Webinar on Internet of Things | 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. |

## 2. Guest Lectures

| | |
|---|---|
| 20.08.2019 | Guest lecture on" Current Trends in IT Sector" by Mr.Imran Ahmed, Director, Infinite Edge Training Consultancy, Coimbatore. |

### 3.CSR Activities:

| S. No. | Date | Name of the Faculty | Name of the Event / Programme | Venue |
|---|---|---|---|---|
| 1 | 14.10.2019 | B.Karthikeyan, D.Uma Nandhini & A.Nivedha | CSR Activity conducted for Govt Girls Higher Secondary School Thondamuthu Topic - Open source & Computer hardware | Govt Girls Higher Secondary School Thondamuthur |
| 2 | 16.10.2019 | B.Karthikeyan & Mr.Jagadesh | CSR Activity- Demo class on Computer Hardware | Govt Girls Higher Secondary School Thondamuthur |

### 4. Workshops

| S.No. | Date | Name of the Program | Resource Person |
|---|---|---|---|
| 1 | 23.9.2019 | Workshop on" Animation techniques" | Mr.Muthaiya Sellamuthu, Web Developer, Accents techno soft, Coimbatore. |

### 5..Skilled Programme

| S.No. | Date | Name of the Program | Resource Person |
|---|---|---|---|
| 1 | 13.9.2019 | Skilled based program on "Team Work" | Mr.M.Giri, Deciding Authority,GSV Corporation, Coimbatore. |

### 6.Value Based Programme

| | |
|---|---|
| | NIL |

### 7.Extension Activities

| | |
|---|---|
| 10.01.2020 | Extension Activity for Higher Secondary Students – Govt. Girls. Hr. Sec. School, Thondamuthur "Pongal Festival". |
| 11.02.2020 | Carrier guidance program and campus Visit-Government Boys Higher Secondary School - Thondamuthur. Dr.M.Mala Principal KKCAS. |

**8.Faculty Development Programme**

| Date | Topics and | Resource Person |
|---|---|---|
| 14-05-2020 | Recent Trends In Machine Learning | Dr.D.Palanivel Rajan,Professor,CMR Engineering College,Hyderabad. |
| 15-05-2020 | Doom in Palm - Hidden Threats of Mobile Usage | Mr.S.Dhanraj,HoD,Department of Digital and Cyber Forensic Science,Sree Saraswathi Thyagaraja College,Pollachi. |
| 16-05-2020 | Basics of Data Analytics | Dr.S.Gunasekaran,Professor,Head,Department of CSE,Ahalia School of Engineering and Technology,Palakad,Kerala. |
| 18-05-2020 | Introduction about Big data and Analytics Applications | Mr. D.Raj Balaji, Deputy Controller of Examinations, Rathinam College of Arts and Science |
| 19-05-2020 | Writing an Effective Research Paper means and Methods using LaTeX | Dr. Muruganatha Gopal Raj, Professor, Department of EEE, Ahalia School of Engineering and Technology, Palakkad, Kerala. |
| 20-05-2020 | Internet of Things | Mr. Mike Nathan, Head Technical Support, Amulya Infotech Pvt.Ltd., Coimbatore |

**9.Attitude development Programme**

| | |
|---|---|
| | NIL |

**10. Industrial Visit**

| | | |
|---|---|---|
| | | NIL |

**10. Webinar**

| | |
|---|---|
| 29.04.2020 | Webinar on Cyber Security |
| 14.05.2020 | Webinar on Recent Trends in Machine Learning |
| 15.05.2020 | Webinar on Doom in Palm-Hidden Threads of Nobile Usage |
| 16.05.2020 | Webinar on Basics of Data Analytics |
| 18.05.2020 | Webinar on Introduction about Big Data &Analytics Applications |
| 9.05.2020 | Webinar on Writing an Effective Research Paper means and Methods using LaTeX |
| 20.05.2020 | Webinar on Internet of Things |

**11. Value added Course**

| | |
|---|---|
| 26.06.19 to 28.06.19 | Bridge course in Computer Science |
| 04.01.20 to 20.01.20 | Conducted a Webinar on E-Marketing |

## 12.Objectives of the Departments

- To make the students to have a thorough understanding of the basic concepts in the field of CS.

- 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 CS.

- To take the students to industries to make them have first hand knowledge on the application of the software's.

- 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.

## 13. 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, C++ Programming , C++ Lab, Data Structures,  JAVA Programming, JAVA Lab, Graphics and Multimedia, Graphics and Multimedia 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  for B.Sc. CS, B.Sc. IT and BCA**

| 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. CS | 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 |
| 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 |

| BCA | 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 Data warehousing | E-Commerce | Artificial Intelligence & Expert Systems | Compiler Design |
| | B | Mobile Computing | Client Server Technology | Software Testing | 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 | Internet of Things | Inter Networking with TCP/IP | Software Engineering | Mobile Operating System |
| | C | Enterprise Resource Planning | Software Project Management | Mobile and Wireless Technology | Cloud Computing |
| **BCA** | A | Software Engineering | Embedded Systems | Artificial Intelligence and Expert Systems | Compiler Design |
| | B | Data Mining and Ware Housing | 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 |
|---|---|---|---|
| II M.Sc CS | 7 | 8 | 15 |
| I M.Sc CS | 3 | 1 | 4 |
| I B.Sc CS | 12 | 18 | 27 |
| II B.Sc CS | 10 | 12 | 22 |
| III B.Sc CS | 11 | 16 | 27 |

## 2.Result Analysis

| Class | No of Students Enrolled | Distinction | I Class | II Class | III Class | Percentage of Pass |
|---|---|---|---|---|---|---|
| B.Sc. CS | 76 | | | | - | 100 |
| M.Sc. CS | 19 | | 19 | - | - | 100 |

## 3.University Rank Holders

| Class | Name of the Student | Rank |
|---|---|---|
| | NIL | |

## 4.Community wise Students Strength

| Class | Total Students | SC | ST | OBC | BC | MBC | Physically Challenged |
|---|---|---|---|---|---|---|---|
| I M.Sc CS | 15 | - | - | - | 15 | - | - |
| II M.Sc CS | 4 | - | - | - | 4 | - | - |
| I B.Sc CS | 27 | 2 | - | 2 | 23 | - | - |
| II B.Sc CS | 22 | 2 | - | - | 20 | - | - |
| III B.Sc CS | 27 | 2 | - | - | 25 | - | - |

## 5.Management Scholarship

| | Class | Name of the Student | No. of Students Benefited | Amount (Rs) |
|---|---|---|---|---|
| **Academic Year 2019-20** | II B.Sc CS | G. Meenakshi | 1 | 18,000 |
| | III B.Sc CS | M.Deepa | 1 | 9000 |
| | I B.Sc CS | K.Sabitha | 1 | 9000 |

| I B.Sc CS | Sri Lavanya | 1 | 9000 |
|-----------|-------------|---|------|
| I M.Sc CS | G.Indira | 1 | 8000 |
| I M.Sc CS | V.Mohankumar | 1 | 8000 |
| I M.Sc CS | Rainjithkumar | 1 | 8000 |
| I M.Sc CS | M.Jeeva | 1 | 8000 |

## 6.Government Scholarship

| Academic Year 2018-19 | Class | Name of the Student | No of Students Benefited | Amount (Rs) |
|-----------------------|-------|---------------------|--------------------------|-------------|
|  | NIL |  |  |  |

## 7.Private Scholarship

| Academic Year 2018-19 | Class | Name of the Student | No of Students Benefited | Amount (Rs) |
|-----------------------|-------|---------------------|--------------------------|-------------|
|  | **III B.Sc CS** | **M. Deepa** | **1** | **18,000** |

## 8.Placements

| S.No | Class | Name of the Student | Name of the Company |
|------|-------|---------------------|---------------------|
| 1 | III B.Sc(CS) | Leena.K | Manipal Signaa TTK |
|  |  |  | TCS |
|  |  |  | CTS |
|  |  |  | HICITIZEN LIFE SKILLS |
|  |  |  | Winner Institute Of Communicative English |
|  |  |  | Bharti AXA life insurance |
| 2 | III B.Sc(CS) | S.Akash | TCS |
|  |  |  | Manipal Signaa TTK |
| 3 | III B.Sc(CS) | Sivasakthi.S.R | TCS |
|  |  |  | HICITIZEN LIFE SKILLS |
|  |  |  | Manipal Signaa TTK |
|  |  |  | Winner Institute Of Communicative English |
|  |  |  | Bharti AXA life insurance |
| 4 | III B.Sc(CS) | C.Akshaikumar | Filpcart |
| 5 | III B.Sc(CS) | P.Dhanapal | Filpcart |
| 6 | III B.Sc(CS) | M.Karuppusamy | Filpcart |
| 7 | III B.Sc(CS) | C.Mohan | Filpcart |
| 8 | III B.Sc(CS) | C.Pradeep | Filpcart |
| 9 | III B.Sc(CS) | A.N.Sanjay Giri | Filpcart |

| 10 | III B.Sc(CS) | Charulatha.R | TCS |
|----|--------------|--------------|-----|
|    |              |              | Manipal Signaa TTK |
|    |              |              | HICITIZEN LIFE SKILLS |
|    |              |              | Bharti AXA life insurance |
| 11 | III B.Sc(CS) | Anusuya.B | Manipal Signaa TTK |
|    |              |              | HICITIZEN LIFE SKILLS |
| 12 | III B.Sc(CS) | T.Aswin | CTS |
| 13 | III B.Sc(CS) | N.Hemavarshini | TCS |
|    |              |              | HICITIZEN LIFE SKILLS |
|    |              |              | Manipal Signaa TTK |
| 14 | III B.Sc(CS) | M.Karuppusamy | Get set GO |
|    |              |              | Manipal Signaa TTK |
| 15 | III B.Sc(CS) | Nivetha.N | ESAF GROUP OF SOCIAL ENTERPRISES |
| 16 | III B.Sc(CS) | C.Mohan | ESAF GROUP OF SOCIAL ENTERPRISES |
| 17 | III B.Sc(CS) | V.Vani-III CS | HICITIZEN LIFE SKILLS |
|    |              |              | Manipal Signaa TTK |
| 18 | III B.Sc(CS) | Keerthana.A-III CS | HICITIZEN LIFE SKILLS |
|    |              |              | Manipal Signaa TTK |
| 19 | III B.Sc(CS) | Dori Victoriya Santhiya.R | Manipal Signaa TTK<br>Bharti AXA life insurance |
| 20 | III B.Sc(CS) | Sathya.C | Manipal Signaa TTK |

**9.Placement Training provided by the department**

| S.No. | Date | Class | Name of the | Resource Person |
|-------|------|-------|-------------|-----------------|
| 1. | 11.15 to 12.15 | III B.Sc CS | Online Test | Dr..M.Sengaliappan |
| 2. | 3.00 to 4.00 | III B.Sc CS | Technical Training | D.Umanandhini |
| 3. | 3.00 to 4.00 | III B.Sc CS | Technical Training | Mr P.Ponsekar |
| 4. | 2.05 to 3.00 | III B.Sc CS | Technical Training | Ms.P.M.Sajida Mariyam |
| 5. | 3.00 to 3.50 | III B.Sc CS | Training | Mrs.A.Nivedha |
| 6. | 2.05 to 3.50 | III B.Sc CS | Online Test | Ms.R.Dharani |

| 7. | 11.15 to 12.15 & 1.00 to 1.55 | III B.Sc CS | Online Test | Dr..M.Sengaliappan |
|----|-------------------------------|-------------|-------------|---------------------|
| 8. | 11.15 to 12.15 & 1.00 to 1.55 | III B.Sc CS | Reasoning Verbal & Non Verbal | D.Umanandhini |
| 9. | 2.00 to 3.00 | III B.Sc CS | Technical Training | Mr P.Ponsekar |
| 10. | 3.00 to 4.00 | III B.Sc CS | Technical Training | Ms.P.M.Sajida Mariyam |
| 11. | 11.05 to 12.00 | III B.Sc CS | Online Test | Mrs.A.Nivedha |
| 12. | 3.00 to 4.00 | III B.Sc CS | Technical Training | Ms.R.Dharani |
| 13. | 2.05 to 3.50 | III B.Sc CS | Online Test | Ms.P.M.Sajida Mariyam |
| 14. | 11.15 to 12.15 & 1.00 to 2.00 | III B.Sc CS | Technical Training | Ms.P.M.Sajida Mariyam |

### 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 | 110 |
| Other State | I M.Sc CS, I, II,III B.Sc CS | NIL |
| NRI | I M.Sc CS, I, II,III B.Sc CS | NIL |
| Foreign | I M.Sc CS, I, II,III B.Sc CS | NIL |

### 11.Drop Outs

| Class | Total No of Students | No of Dropped Out Students During Academic Year | Percentage |
|-------|----------------------|--------------------------------------------------|------------|
| II M.Sc CS | 17 | 2 | 90% |
| I M.Sc CS | 4 | - | 100% |
| I B.Sc CS | 31 | 2 | 93% |
| II B.Sc CS | 28 | 6 | 79% |
| III B.Sc CS | **31** | 4 | 87% |

### 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 | Ms. R. Jeeva | Networking | Nov 2017 | Mr. K.Noel Binny |
| 2 | Computer Science | Tamizharuvi | Data Mining | Nov2018 | D.Umanandhini |
| 3 | Computer Science | A.Sathya Priya | Networking | Nov 2018 | Dr.M.Sengaliappan |

### 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 |
| 4 | Computer Science | Mrs.V.Deepa | Digital Image Processing | 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 |
|---|---|---|---|---|---|
| | | NIL | | | |

**16. Presentation of Papers in Seminars/Conferences by Students**

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

**17.Participation in Seminars / Conferences / Events by Students**

| S.No. | Date | Name of the Student | Name of the Seminar/Conference | Venue |
|---|---|---|---|---|
| 1 | 23.01.2020 | Meenakshi G & Swathi M-II CS Dihnesh S & Naveen Raj M -II CS Mukilan.V.K& Clintion Amose.J-I CS | Debugging | Hindhusthan College Of Arts And Science |
| 2 | | Logapriya A & Evangeline N-II CS | Paper Presentation | Hindhusthan College Of Arts And Science |
| 3 | | Satheeshvaran K & Sriram M -II CS K.Agalya&K.Sabitha-I CS Meenakshi G & Sindhu Bairavi M Kaviyarasan B-II CS | Quiz | Hindhusthan College Of Arts And Science |
| 4 | 23.01.2020 | Kowsalya.D,D.Nagamani, Kavi Priya& Jeevitha.K-I CS | Marketing | |
| 5 | 24.01.2020 | Sakunthala A & Punithavalli S-II CS | Mehandi | St.Pauls Arts And Science College For Women |
| | | Logapriya A & Tamilarasi K -II CS | Bridal Makeup | |
| 6 | 30.01.2020 | Agalya.K& Devika.M-I CS | Quiz | Sri Krishna Adhithya College of Arts and Science |
| 7 | 04.10.2019 | A.R.Dori Victoriya R.Charulatha V.Vani | Hacking and cyber security | AJK College of arts and science |
| 8. | 28.08.2019 | M.Karuppusamy C.Pradeep | Desktop Graphics & 2D Animation | RD National Arts and Science College –Erode |
| 9 | 30.08.2019 | A.R.Dori Victoriya Santhiya R.Charulatha K.Leena P.Prathiksha V.Vani | A One day Workshop on" Mobile application develoment on Android" Mr.H.Mohammed Yaqoob, HR Recruitment Manager & Project Manager, Global | KKCAS |

| | | C.Sathya<br>M.Elakkiya<br>S.Akash | Vision Groups,<br>Coimbatore. | |
|---|---|---|---|---|
| 10 | 19.09.2019 | Devika.M<br>Mukilan .V.k | Tamil Seminar "Sanadhana Dharmam" | Sri Ramakrishna Mission Vidhyalaya College. |

## 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 | Prize | Event | Venue |
|---|---|---|---|---|---|
| 1 | 29.07.2019 | R.Charulatha | Drawing Competition | I PRIZE | KKCAS Seminar Hall |
| 2 | 30.01.2020 | S.Srilavanya<br>V.Karthika | Math Sketching | II PRIZE | KKCAS |
| 3 | 30.01.2020 | D.Nagamani<br>P.Nikitha Angel | Rangoli | II PRIZE | KKCAS |
| 4 | 30.01.2020 | V.K.Mukilan<br>D.Deva Gowtham | We To Meet | I PRIZE | KKCAS |
| 5 | 31.01.2019 | Satheeshvaran K &<br>Sriram M | Quiz | III PRIZE | KKCAS |
| 6 | 31.01.2019 | Logapriya A &<br>Tamilarasi K | Math Rangoli | I PRIZE | KKCAS |
| 7 | 31.01.2019 | Satheeshvaran K &<br>Sriram M | Be To Meet | II PRIZE | KKCAS |
| 8 | 31.01.2019 | Evangeline N & Jothi P | Be To Meet | III PRIZE | KKCAS |