

## Department of Computer Technology

AY 2023-24

### Department Activities

#### Guest Lecture / Invited Lecture

| S. No. | Date      | Name and Designation of the Resource Person                         | Topic                                              |
|--------|-----------|---------------------------------------------------------------------|----------------------------------------------------|
| 1      | 22-Jul-23 | Ms. K Sangavi<br>Android Team Lead, Finalatix Technologies, Chennai | Introduction to<br>Android Application Development |

#### Seminar /Workshop Conferences organized

| S.No | Date     | Nature of the Event<br>(Conference /<br>Seminar/ Workshop ) | Title of the Event                                           | Resource Person                                                                                                                                                                                                                                                    |
|------|----------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 9-Sep-23 | Workshop                                                    | Azure Cloud services                                         | Mr. Sivaramakrishnan<br>Senior Product support engineer, Kovai.Co, Coimbatore                                                                                                                                                                                      |
| 2    | 4-Jan-24 | International<br>Conference                                 | Computational Intelligence and<br>Communication Technologies | <b>Dr. Jey Veerasamy</b> , M.S., Ph.D.<br>Director, Center for Computer Science Education &<br>Outreach, Professor of Instruction, Department of Computer<br>Science The University of Texas at Dallas, USA<br><br><b>Dr. Richard Min</b> , M.S., M.D., MBA, Ph.D. |

|  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  | <p>Professor of Instruction, Department of Computer Science<br/>The University of Texas at Dallas, USA</p> <p><b>Dr. P. Ilango, Ph.D.</b><br/>Group Technical Manager, Engineering and R&amp;D Services,<br/>HCL Technologies, Chennai</p> <p><b>Mr. C. Senthilnathan, MCA</b><br/>Associate Director-Technology Virtusa Corporation, USA</p> <p><b>Dr. Sivaraman Eswaran Ph.D., M.E, M.Sc.,</b><br/>SMIEEE, MACM Senior Lecturer , Department of Electrical<br/>and Computer Engineering Curtin University, Malaysia</p> |
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### Student Development Programme

| S.No | Date      | Title                          | Resource Person                                                             |
|------|-----------|--------------------------------|-----------------------------------------------------------------------------|
| 1    | 12-Jul-23 | Tips for Placement Preparation | Ms. M. Madhu Sree and Ms. S Tharasri of III B.Sc. CT                        |
| 2    | 9-Aug-23  | Codeathon – Tips and Tricks    | Mr. Deepak Darshan. M, III B.Sc. CT                                         |
| 3    | 15-Dec-23 | Blockchain and IoT             | Mohan Prasath A and Viveka S of II B.Sc. CT                                 |
| 4    | 26-Feb-24 | Neuromorphic Computing         | Shenbagakumar M. II B.Sc. CT – B<br>Sree Hariharasudhan KA, II B.Sc. CT – B |

**Faculty Professional Development Programme**

| S. No. | Date      | Title                             | Resource Person                 |
|--------|-----------|-----------------------------------|---------------------------------|
| 1      | 12-Jul-23 | Python Web Framework using Django | Dr. M. Rathi, Head, Dept. of CT |

**Alumni Interaction**

| S.No | Date      | Title                               | Alumni                                                                    |
|------|-----------|-------------------------------------|---------------------------------------------------------------------------|
| 1    | 15-Sep-23 | Preparation for Competitive Exams   | Ms. J. Poornima<br>Junior Assistant, Public Works Department, Coimbatore. |
| 2    | 22-Jan-24 | Career Opportunities in IT industry | K Arthi, Test Engineer, Wipro, Chennai                                    |

**Other Activities**

| S. No. | Date      | Title                         | Resource Person |
|--------|-----------|-------------------------------|-----------------|
| 1      | 13-Sep-23 | International Programmers Day | -               |

**Extension Activities**

| S.No | Date      | Nature of the extension    | Place            | Students involved               |
|------|-----------|----------------------------|------------------|---------------------------------|
| 1    | 17-Feb-24 | Awareness on Energy Saving | Sarkar Samakulam | 10 Students from the department |
| 2    | 23-Feb-24 | Awareness on Hygiene       | Sarkar Samakulam | 10 Students from the department |

## Department Achievements

### Awards and Prizes for Staff

| S.No | Date        | Name of the Staff | Name of the Award | Awarded by            |
|------|-------------|-------------------|-------------------|-----------------------|
| 1    | 07-Jul-2023 | M. Aruna          | Ph.D.             | Periyar University    |
| 2    | 10-Aug-2023 | V. Manimekalai    | Ph.D.             | Bharathiar University |
| 3    | 10-Aug-2023 | R.S. Padmapriya   | Ph.D.             | Bharathiar University |
| 4    | 13-Dec-2023 | T.R. Anand        | Ph.D.             | Bharathiar University |

### Staff Publication

| S.No | Name of the Staff | Title                                                                                       | Journal Name                     | ISSN / ISBN No.,<br>Date of publishing,<br>Vol. No. | Impact Factor | Indexed in<br>(SCI/WoS/<br>UGC/SSCI/Scopus) |
|------|-------------------|---------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|---------------|---------------------------------------------|
| 1    | Dr. M. Rathi      | MOOCs Dropout Prediction to Enhance Learning Experience                                     | Shodha Prabha                    | ISSN: 0974-8946<br>July & 2023                      |               | UGC CARE                                    |
| 2    | Dr. M. Rathi      | MOBAA-OBCM: Multiobjective Biometric Authentication Approach and Optimized Beta Chaotic Map | Journal of Propulsion Technology | 1001-4055                                           |               | Scopus                                      |

### Staff Recognitions

| S.No | Date                   | Name of the Staff | Nature of Recognition | Organization / Institution                  |
|------|------------------------|-------------------|-----------------------|---------------------------------------------|
| 1    | 7-Aug-23               | Dr. M. Rathi      | Invited Speaker       | Dr. M.G.R. Educational & Research Institute |
| 2    | 3-Sep-23 &<br>4-Sep-23 | Mrs. Ajitha.I     | Reviewer              | Shardha University, Noida                   |

|   |                          |                   |                 |                                                        |
|---|--------------------------|-------------------|-----------------|--------------------------------------------------------|
| 3 | 7-Sep-23                 | Mrs. Ajitha.I     | Reviewer        | Marwadi University, Rajkot                             |
| 4 | 20-Nov-23 &<br>21-Nov-23 | Dr. M. Rathi      | Reviewer        | University of Bahrain                                  |
| 5 | 5-Jan-24                 | Dr. Anand T.R.    | Session Chair   | Dr. N.G.P. Arts and Science College, Coimbatore        |
| 6 | 2-Feb-24                 | Dr. Anand T.R.    | Reviewer        | KPR College of Arts Science and Research, Coimbatore   |
| 7 | 15-Feb-24                | Dr. M. Rathi      | Invited Speaker | Padmavani College of Arts and Science for Women, Salem |
| 8 | 28-Feb-24                | Dr. B. Leelavathi | Invited Speaker | PPG College of Arts and Science, Coimbatore            |

### Staff Presentation

| S. No: | Date     | Name of the Staff            | Name of the Event                                                                   | Title of Presentation                                                                        | Organization / Institution                      |
|--------|----------|------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1      | 4-Jan-24 | Dr. V. Manimekalai           | International Conference on Computational Intelligence and Communication Technology | IoT based Domestic Waste Management using Smart Bins                                         | Dr. N.G.P. Arts and Science College, Coimbatore |
| 2      | 4-Jan-24 | Dr. M. Rathi, Dr. T.R. Anand | International Conference on Computational Intelligence and Communication Technology | A study on voice assistant mobile application for campus navigation                          | Dr. N.G.P. Arts and Science College, Coimbatore |
| 3      | 4-Jan-24 | Dr. T.R. Anand               | International Conference on Computational Intelligence and Communication Technology | A study on voice assistant mobile application for campus navigation                          | Dr. N.G.P. Arts and Science College, Coimbatore |
| 4      | 4-Jan-24 | Dr. M. Aruna                 | International Conference on Computational Intelligence and Communication Technology | Prediction of Student Mark Performance Using Random Regressor                                | Dr. N.G.P. Arts and Science College, Coimbatore |
| 5      | 4-Jan-24 | Dr. M. Aruna                 | International Conference on Computational Intelligence and Communication Technology | A Clinical Supporting System Using Hierarchical Approach to improve Heart Disease Prediction | Dr. N.G.P. Arts and Science College, Coimbatore |
| 6      | 4-Jan-24 | Mrs. I. Ajitha               | International Conference on Computational Intelligence and Communication Technology | A Clinical Supporting System Using Hierarchical Approach to improve Heart Disease Prediction | Dr. N.G.P. Arts and Science College, Coimbatore |

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|----|----------|----------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 7  | 5-Jan-24 | Dr. B. Leelavathi    | ICSSR Sponsored National Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications | A comprehensive survey on malware threats in social media: Trends challenges and mitigation strategy | Dr. N.G.P. Arts and Science College, Coimbatore      |
| 8  | 5-Jan-24 | Dr. T.R. Anand       | ICSSR Sponsored National Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications | A study on Empowering Women and Children Safety through IoT Techniques                               | Dr. N.G.P. Arts and Science College, Coimbatore      |
| 9  | 2-Feb-24 | Dr. T.R. Anand       | Second International Conference on Recent Trends in Computer Science and Data Analytics                                | Protecting against online threads and attack                                                         | KPR College of Arts Science and Research, Coimbatore |
| 10 | 2-Feb-24 | Dr. T.R. Anand       | Second International Conference on Recent Trends in Computer Science and Data Analytics                                | Comparison of MySQL and NoSQL and their Recent Trends                                                | KPR College of Arts Science and Research, Coimbatore |
| 11 | 2-Feb-24 | Dr. T.R. Anand       | Second International Conference on Recent Trends in Computer Science and Data Analytics                                | Load Balancing Securities                                                                            | KPR College of Arts Science and Research, Coimbatore |
| 12 | 2-Feb-24 | Mrs. Ajitha I        | Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24)                                               | Web Design Trends                                                                                    | KPR College of Arts Science and Research, Coimbatore |
| 13 | 2-Feb-24 | Dr. B. Leelavathi    | Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24)                                               | Automatic Time Table Generator Design, Implementation and Evaluation                                 | KPR College of Arts Science and Research, Coimbatore |
| 14 | 2-Feb-24 | Dr. V. Manimekalai   | Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24)                                               | IoT Security Challenges: Attacks, Intrusions, Threat landscapes and vulnerabilities                  | KPR College of Arts Science and Research, Coimbatore |
| 15 | 2-Feb-24 | Mr. R. Vijay Anand   | Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24)                                               | IoT in Agriculture - A Survey                                                                        | KPR College of Arts Science and Research, Coimbatore |
| 16 | 2-Feb-24 | Dr. R.S. Padma Priya | Second International Conference on Recent Trends in Computer Science and Data Analytics                                | Impact of Big Data Analytics in Business Decision Making                                             | KPR College of Arts Science and Research, Coimbatore |

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|----|----------|----------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------|
| 17 | 2-Feb-24 | Dr. R.S. Padma Priya | Second International Conference on Recent Trends in Computer Science and Data Analytics | Enhancing Remote Learning through the Metaverse: Opportunities and Challenges | KPR College of Arts Science and Research, Coimbatore |
| 18 | 2-Feb-24 | Dr. R.S. Padma Priya | Second International Conference on Recent Trends in Computer Science and Data Analytics | Load balancing in Cloud Computing                                             | KPR College of Arts Science and Research, Coimbatore |

### Staff Participation

| S.No | Date                   | Name of the Staff                                                                                                  | Event                                                    | Organization / Institution                                  |
|------|------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|
| 1    | 16-Jun-23              | Dr. M. Rathi Mrs. V. Manimekalai<br>Mrs. M. Aruna<br>Mr. T.R. Anand<br>Mrs. R .S. Padma priya                      | National Level Workshop on DEVOPS (Online)               | SRM Institute of Science & Technology, Chennai              |
| 2    | 16-Jun-23 to 24-Jun-23 | Dr. M. Rathi<br>Mrs. V. Manimekalai<br>Mrs. M. Aruna<br>Mr. T.R. Anand<br>Mrs. R .S. Padma priya                   | National Level Workshop on DEVOPS (Online)               | SRM Institute of Science & Technology, Chennai              |
| 3    | 19-Jun-23              | Mr. T.R. Anand<br>Mrs. R .S. Padma priya                                                                           | FDP on Data Science Specialization using Python (Online) | Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore |
| 4    | 19-Jun-23 to 23-Jun-23 | Mr. T.R. Anand<br>Mrs. R .S. Padma priya                                                                           | FDP on Data Science Specialization using Python (Online) | Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore |
| 5    | 30-Jun-23              | Dr. M. Rathi<br>Dr. B. Leelavathi<br>Dr. M. Aruna<br>Mrs. V. Manimekalai<br>Mrs. R.S. Padmapriya<br>Mr. T.R. Anand | Empowering education for innovation - A NEP perspective  | Dr. NGP Arts and Science college                            |

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|----|------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 6  | 30-Jun-23 to 4-Jul-23  | Dr. M. Rathi<br>Dr. B. Leelavathi<br>Dr. M. Aruna<br>Mrs. V. Manimekalai<br>Mrs. R.S. Padmapriya<br>Mr. T.R. Anand | Empowering education for innovation - A NEP perspective                                     | Dr. NGP Arts and Science college                          |
| 7  | 19-Sep-23              | Dr. M. Aruna                                                                                                       | The Power of Positivity approach in Teaching and Learning System of cultural Transformation | Hindusthan College of Arts and Science                    |
| 8  | 19-Sep-23 to 26-Sep-23 | Dr. M. Aruna                                                                                                       | The Power of Positivity approach in Teaching and Learning System of cultural Transformation | Hindusthan College of Arts and Science                    |
| 9  | 25-Oct-23 to 31-Oct-23 | Mrs. I. Ajitha                                                                                                     | FDP on Deep Learning Case Studies                                                           | Christ (Deemed to be university), Bengaluru               |
| 10 | 15-Nov-23              | Dr. M. Aruna                                                                                                       | FDP on Internet of Things                                                                   | Dr. N.G.P. Arts and Science College                       |
| 11 | 15-Nov-23 to 16-Nov-23 | Dr. M. Aruna                                                                                                       | FDP on Internet of Things                                                                   | Dr. N.G.P. Arts and Science College                       |
| 12 | 20-Nov-23              | Dr. B. Leelavathi                                                                                                  | Exploring Technological Advancements: A Voyage into Emerging Horizons                       | Sri S.Ramasamy Naidu Memorial College                     |
| 13 | 20-Nov-23 to 27-Nov-23 | Dr. B. Leelavathi                                                                                                  | Exploring Technological Advancements: A Voyage into Emerging Horizons                       | Sri S.Ramasamy Naidu Memorial College                     |
| 14 | 20-Nov-23 to 27-Nov-23 | Mrs. I. Ajitha                                                                                                     | FDP on Exploring Technological Advancements: A Voyage into Emerging Horizons                | Sri S.Ramasamy Naidu Memorial College                     |
| 15 | 8-Jan-24 to 12-Jan-24  | Mrs. I. Ajitha                                                                                                     | Emerging Research Trends in Computer Science                                                | KG College of Arts and Science, Coimbatore                |
| 16 | 12-Feb-24 to 17-Feb-24 | Mrs. I. Ajitha                                                                                                     | FDP on Recent Advances in Smart Materials and Sensor Technology                             | Paavai Engineering College                                |
| 17 | 16-Feb-24 to 22-Feb-24 | Dr. M. Aruna<br>Dr. T.R. Anand                                                                                     | FDP on Teaching Strategies- A Pedagogy                                                      | SRM Institute of Science & Technology, Ramapuram, Chennai |

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|----|---------------------------|--------------------|----------------------------------------|---------------------------------------------------|
| 18 | 19-Feb-24 to<br>23-Feb-24 | Mr. R. Vijay Anand | Microsoft Assure AI Engineer Associate | Hindusthan Institute of<br>Technology, Coimbatore |
|----|---------------------------|--------------------|----------------------------------------|---------------------------------------------------|

### Students Participation

| S.No | Date      | Name of the Student(s)                                                                                                                   | Event                                                                                       | Organization / Institution                         | Prize won     |
|------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|
| 1    | 13-Sep-23 | M. Deepak Darshan                                                                                                                        | Debugging                                                                                   | Dr. N.G.P. Arts and Science College                | II Prize      |
| 2    | 13-Sep-23 | D.A. Rishab                                                                                                                              |                                                                                             |                                                    | II Prize      |
| 3    | 13-Sep-23 | V. Swetha                                                                                                                                |                                                                                             |                                                    | I Prize       |
| 4    | 13-Sep-23 | R. Goushik Raja                                                                                                                          |                                                                                             |                                                    | I Prize       |
| 5    | 13-Sep-23 | R. Sri Saran<br>M. Mukesh                                                                                                                | E Poster Design                                                                             | Dr. N.G.P. Arts and Science College                | III Prize     |
| 6    | 20-Dec-23 | Karthik KB<br>Mohammed Harish<br>Akshay<br>Hemanth<br>Monisha<br>Sabitha<br>Sree Mathi<br>Imranullah<br>Mega Varshinth<br>Jonath Leonard | NGP Fest 2023 – Group Dance                                                                 | Dr. N.G.P. Arts and Science College                | I Prize       |
| 7    | 4-Jan-24  | III B.Sc. Ct Students –<br>56                                                                                                            | International Conference on<br>Computational Intelligence and<br>Communication Technologies | Dr. N.G.P. Arts and Science College,<br>Coimbatore | Participation |
| 8    | 3-Jan-24  | Devasena G<br>Kishore Kumar K<br>Mohanprasath A<br>Sudarsan S<br>Vassanth Kumar S<br>Ajay D                                              | Preconference Workshop                                                                      | Dr. N.G.P. Arts and Science College,<br>Coimbatore | Participation |

|    |                           |                                                                                                               |                                        |                                                              |                             |
|----|---------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------|-----------------------------|
|    |                           | Rahulkarthick R                                                                                               |                                        |                                                              |                             |
| 9  | 8-Jan-24 to<br>12-Jan-24  | Dheekshitha V                                                                                                 | Online Workshop                        | Coimbatore Institute of Technology,<br>Coimbatore            | Participation               |
| 10 | 29-Jan-24 to<br>30-Jan-24 | Gowtham S<br>Maheshkumar V<br>Varssha S<br>Dharun P<br>Karthika A<br>Agilesh NV<br>Imranullah L<br>Pranesh KP | Socio-Tech Hackathon-2024              | K.P.R College of Arts Science and<br>Research, Coimbatore    | Participation               |
| 11 | 13-Feb-24                 | Agilesh<br>Ajay                                                                                               | Inter-department Competition -<br>Quiz | Dr. N.G.P. Arts and Science College,<br>Coimbatore           | III                         |
| 12 | 2-Feb-24                  | Sree Harihara Suthan K<br>A<br>Shenbagakumar M                                                                | Paper Presentation                     | Sri Krishna Adithya College of Arts &<br>Science, Coimbatore | I                           |
| 13 | 2-Feb-24                  | Sree Mathi S<br>Akshay R<br>Imranullah<br>Mohamed Harish<br>Hemnath<br>Jonath Leonard<br>Karthik<br>Mithun    | Group Dance                            | Sri Krishna Adithya College of Arts &<br>Science, Coimbatore | I                           |
| 14 | 2-Feb-24                  | Damini<br>Priya Dharshini                                                                                     | Glass Painting                         | Sri Krishna Adithya College of Arts &<br>Science, Coimbatore | II                          |
| 15 | 4-Feb-24                  | Sobhika S<br>Pratibaa S                                                                                       | Valli Kummi                            | Kongunadu Kalai Culoo                                        | Guinness<br>World<br>Record |
| 16 | 9-Feb-24                  | K B.Karthick<br>Akshay<br>Hemnath                                                                             | Group Dance                            | Nehru College of Management,<br>Coimbatore                   | II                          |

|    |           |                                                                                                                                                        |             |                                                               |   |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------|---|
|    |           | Sabitha<br>Sree Mathi<br>Imranullah<br>Jonath Leonard<br>Mithun                                                                                        |             |                                                               |   |
| 17 | 10-Feb-24 | K B.Karthick<br>Mohamed Harish<br>Akshay<br>Hemnath<br>Monisha<br>Sabitha<br>Sree Mathi<br>Imranullah<br>Jonath Leonard<br>Mithun                      | Group Dance | PSGR Krishnamal College for Women,<br>Coimbatore              | I |
| 18 | 14-Feb-23 | Karthick K.B<br>Akshay R<br>Hemnath M<br>Sabitha A<br>Sree Mathi S<br>Imranullah L<br>Jonath Leonard J<br>Mithun M<br>Monisha G.S<br>Mohammad Harish M | Group Dance | Hindusthan College of Arts and Science,<br>Coimbatore         | I |
| 19 | 15-Feb-24 | Karthick K.B<br>Akshay R<br>Hemnath M<br>Sabitha A<br>Sree Mathi S<br>Imranullah L<br>Jonath Leonard J<br>Mithun M                                     | Group Dance | Sree Narayana Guru College of Arts and<br>Science, Coimbatore | I |

|    |           |                                                                                                                                                        |             |                                                            |    |
|----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|----|
|    |           | Monisha G.S<br>Mohammad Harish M                                                                                                                       |             |                                                            |    |
| 20 | 23-Feb-24 | Karthick K.B<br>Akshay R<br>Hemnath M<br>Sabitha A<br>Sree Mathi S<br>Imranullah L<br>Jonath Leonard J<br>Mithun M<br>Monisha G.S<br>Mohammad Harish M | Group Dance | Karpagam Academy of Higher<br>Education, Coimbatore        | I  |
| 21 | 5-Mar-24  | Dharun<br>Karthika                                                                                                                                     | Ideathon    | SNS Rajalakshmi College of Arts and<br>Science, Coimbatore | II |