



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore
Approved by Government of Tamil Nadu & Accredited by NAAC with A++ Grade (3rd Cycle – 3.64CGPA)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.
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Department of Computer Applications

Activates and Achievements - AY 2022-23

1. Guest Lecture/Invited Lecture

| S. No. | Date | Name and Designation of the Resource Person | Topic | Venue | Beneficiary |
|--------|-----------|---|---|----------------|--------------|
| 1 | 03-Feb-23 | Block Chain Technologies | Block Chain Technologies | Kambar Arangam | BCA Students |
| 2 | 17-Feb-23 | Block Chain Technologies and its Applications | Block Chain Technologies and its Applications | Kambar Arangam | BCA Students |
| 3 | 05-Nov-22 | IoT and its magic with Microcontroller | IoT and its magic with Microcontroller | Kambar Arangam | BCA Students |
| 4 | 05-Aug-22 | Mr. A Narendiranath, Academy Head, Sprout Knowledge Solutions, Coimbatore | Web 3.0 | Kambar Arangam | BCA Students |

2. Seminar / Workshop Conferences organized

| S. No. | Date | Nature of the Event | Title of the Event | Name & Designation of the Speakers |
|--------|-----------|---------------------|---|--|
| 1 | 16-Mar-23 | National Conference | Advanced Computing Sciences (NCACS- 2K23) | Mr. Balakumar Thanavelu, InDia Head -Outreach, Employee Volunteering (CSR), Global Lead -ESG, Cognizant Technology Solutions |

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| | | | | Dr. Vijay Kumar Kannan, Joint Director, Big Data Analytics group, C-DAC, Chennai Dr. Ranga Rajagopal, CEO, Accent Technologies, Coimbatore. |
| 2 | 11-Mar-23 | Workshop | MongoDB for Data Analytics | Ms.M.S. Sindhuja, Product Engineer, Maxval Technologies, Coimbatore |
| 3 | 10-Mar-23 | Skill Development Programme | PC Assembly | Mr. S.Poorana Senthilkumar Asst. Professor, Department of Computer Applications, Dr. N.G.P Arts and Science College |
| 4 | 25-Jan-23 & 27-Jan-23 | Project Demo | Project Demo | Students of II and III BCA |

3. Student Development Programme

| S. No. | Date | Name of the Student | Topic | Venue | Beneficiary |
|--------|-----------|-------------------------------|-----------------------------------|---------------|--------------|
| 1 | 21-Mar-23 | Student Development Programme | Future Outlook of IT Industry | BCA Classroom | BCA Students |
| 2 | 25-Mar-23 | Alumni Interaction | Advantages of Scripting languages | BCA Classroom | BCA Students |
| 3 | 07-Jan-23 | Student Development Programme | Interview Skills | BCA Classroom | BCA Students |
| 4 | 05-Nov-22 | Student Development Programme | Multimedia Applications | BCA Classroom | BCA Students |
| 5 | 08-Oct-22 | Alumni Interaction | Recent Trends in Computing | BCA Classroom | BCA Students |

4. Inter Department and Intra Department Events

| S No. | Date | Event / Programme | Topic | Guest / Venue |
|-------|-----------|-----------------------|--------------------|--|
| 1 | 16-Feb-23 | Inter Department Meet | Tech-Knowledge '23 | Prof. Dr. V. Rajendran, Principal, Dr. N.G.P Arts and Science College, Coimbatore |

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| 2 | 10-Nov-22 | Intra Department Meet | Zappy 2022 | Prof. Dr. V. Rajendran, Principal, Dr. N.G.P Arts and Science College, Coimbatore |
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5. Extension Activities

| S No. | Date | Topic | Guest / Venue |
|-------|-----------|---|-------------------------------|
| 1 | 05-Nov-23 | Awareness Programme on Alternative Energy Resources and Tree Plantation | Thippanur Village, Coimbatore |

6. Staff Participation

| S. No. | Date | Name of the Faculty | Name of the Workshop/FDP/Training Programme | College |
|--------|-----------|---|--|--|
| 1 | 04-Mar-23 | Dr.C.Kumuthini Dr.D.Devi Aruna Mr.P.Dinesh Kumar Mrs.K.Gomathy Dr.B.Ramya Dr.K.Kavitha Mr.V.Yuvaraj | One Day Workshop on Outcome Based Education | Dr. N.G.P. Arts and Science College & IPSR Solutions Limited |
| 2 | 22-Feb-23 | V.Yuvaraj | Revised NAAC Criteria | St. Teresa's Degree College for Women, Bengaluru |
| 3 | 13-Feb-23 | K.Gomathy P.Dinesh Kumar | Challenges For Students In The New Normal | Government Arts College, Coimbatore |
| 4 | 11-Jan-23 | V.Yuvaraj | Intellectual Property Rights (Basic & Advance) | Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education |

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| 5 | 17-Dec-22 | Dr.R.Kousalya | Emotional Intelligence | ICT Academy |
| 6 | 28-Nov-22 | G.Karuthammal | Microsoft Power BI Data Analyst Associate | ICT Academy |
| 7 | 14-Nov-22 to 18-Nov-22 | V.Yuvaraj | FDP on Emerging Trends and Technologies in Cyber Security” | Madanapalle Institute of Technology & Science |
| 8 | 26-Nov-22 | S.Poorana senthilkumar | National Level workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research | Dr. N.G.P. Arts and Science College. Coimbatore. |
| 9 | 07-Oct-22 to 15-Nov-22 | S.Poorana senthilkumar | Short Term Professional Development Programme: Implementation of NEP2020 | Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching |
| 10 | 11-Nov-22 | P.Dinesh kumar Dr.B.Ramya | FDP on Impact of Artificial Intelligence | Dr. SNS Rajalakshmi College of Arts and Science |
| 11 | 22-Aug-22 to 27-Aug-22 | V.Yuvaraj | FDP on Amazon Web Services | GITAM (Deemed to be University), Hyderabad |
| 12 | 28-Nov-22 | G.Karuthammal | Microsoft Power BI Data Analyst Associate | ICT Academy |

7. Staff Publication

| S. No. | Name of the Faculty | Title | Journal Name | ISSN / ISBN No. Date of publishing Vol. No. | Impact Factor | SCI/WoS/ UGC/ SSCI/ Scopus |
|--------|-----------------------------|---|--|--|---------------|----------------------------|
| 1 | Mr.S.Poorna senthilkumar | RPL Protocol Limitations, and Open Challenges in Internet of Things: A Review | International Journal of Advanced Research in Computer and Communication Engineering | ISSN (O) 2278- 1021, ISSN (P) 2319-5940 Vol. 12, Issue 1, January 2023 | | - |
| 2 | Mr.S.Poorna senthilkumar | RPL Protocol Influence in IOT Applications | International Research Journal of Modernization in Engineering Technology and Science | e-ISSN: 2582-5208, January 2023 | | - |
| 3 | Mr.S.Poorna senthilkumar | Evolutions of Low Power and Lossy Networks Protocols in the Internet of Things: A Review | International Journal of Information Technology and Electrical Engineering | ISSN: - 2306-708X - Volume 11, Issue 3 2022 | | UGC |

8. Staff Presentation

| S. No. | Date | Name of the Faculty | Name of the Conference | Name of the title | College |
|--------|-----------|---------------------|---|--|--|
| 1 | 16-Mar-23 | Dr.D.Devi Aruna | National Conference on Advanced Computing Sciences | Current network management and protection within Big Enterprise Network | Dr. N.G.P. Arts and Science College |
| 2 | 16-Mar-23 | Dr. R. Kousalya | National Conference on Advanced Computing Sciences | A study on new vision of computing automatic computing in solving complex problems | Dr. N.G.P. Arts and Science College |

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|---|-----------|---|---|--|-------------------------------------|
| 3 | 16-Mar-23 | Dr. R. Kousalya | National Conference on Advanced Computing Sciences | Current network management and protection within big enterprise networks | Dr. N.G.P. Arts and Science College |
| 4 | 16-Mar-23 | Dr.C.Kumuthini | National Conference on Advanced Computing Sciences | Greedy Perimeter stateless routing for wireless sensor network | Dr. N.G.P. Arts and Science College |
| 5 | 16-Mar-23 | Mrs.K.Gomathy | National Conference on Advanced Computing Sciences | Greedy Perimeter stateless routing for wireless sensor network | Dr. N.G.P. Arts and Science College |
| 6 | 16-Mar-23 | Mr.V.Yuvaraj | National Conference on Advanced Computing Sciences | Lung cancer classification based on enhanced deep learning using gene expression data | Dr. N.G.P. Arts and Science College |
| 7 | 16-Mar-23 | Mr.P.Dinesh Kumar | National Conference on Advanced Computing Sciences | Lung cancer classification based on enhanced deep learning using gene expression data | Dr. N.G.P. Arts and Science College |
| 8 | 16-Mar-23 | Dr.K.Kavitha | National Conference on Advanced Computing Sciences | Dynamic Load Balancing for low energy consumption and high efficiency in green cloud computing | Dr. N.G.P. Arts and Science College |
| 9 | 19-Oct-22 | Dr.C.Kumuthini Dr.K.Kavitha Mrs.K.Gomathy | National Conference on Cyber Security and Digital Forensics for Society | Computing Strategies for Green Computing | PSGR Krishnammal College for Women |

9. Students Participation

| S. No. | Date | Name of the Students | Event | College | Inter Collegiate / Inter Departmental | Prizes won |
|--------|-----------|----------------------|-------------|--------------------------------------|--|-------------|
| 1 | 25-Mar-23 | Naveen Manoj.D | Quiz | KG College of Arts and Science | Inter Collegiate | First Prize |
| 2 | 25-Aug-22 | Dharshan S | Logo Design | Karpagam Academy of Higher Education | Inter Collegiate | Third Prize |
| 3 | 24-Aug-22 | Sanjeev.P | Logo Design | Karpagam Academy of Higher Education | Inter Collegiate | Third Prize |

10. Patents

| S. No. | Name of the Faculty | Patent | Date |
|--------|---------------------|---|-----------|
| 1. | Dr.D.Devi Aruna | A Novel Approach for providing security in IoT based on Quantum Computing | June 2022 |
| 2. | Dr.D.Devi Aruna | A Deep Learning Model to predict the placement of sensors in IOT | July 2022 |