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 (2nd Cycle)

DST-FIST   DBT-Star College Scheme
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.

Department Activities for the Academic year 2021-2022

Department of Computer Science

1. **Guest Lecture/Invited Lecture**

S. No.	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1.	23-Apr-22	Mr. Arunkumar.R Software Engineer NeoSay Technologies and Solutions (P) Ltd, Coimbatore	Database Connectivity	Computer Lab V	III B.Sc. A & B, II M.Sc.
2.	22.Apr-22	Mr.A.Narendiranath,Academy Head,Sprouts Knowledge Solutions,,Coimbatore	Industry Orientation - Future of IT Industries	Seminar Hall -XI	III B.Sc. A&B
3.	12.-Apr-22	Mr.V.S.Jagadeeswaran,Department of Computer Science	Label Making	II M.Sc. Classroom	PG Students
4.	31-Mar-22	Dr.S.Kokila,HoD, Clinical Lab Technology	Fight Against Obesity	Seminar Hall - VI	III B.Sc. A&B& I B.Sc. A&B
5.	24-Mar-22	Mr.Sabarinathan Muthu,Executive Manager, Gateway Software Solutions	Recent Trends and Requirements in IT	Seminar Hall-VI	III B.Sc. A&B
6.	18-Mar-22	Mr.B.Bhakta Kumar,TechnicalDirector ,Axiom IT Consulting	Big Data Technology	Seminar Hall-VII	III B.Sc. A&B
7.	03-Dec-21	Student Development Program	Recent Trends in Computer Science	Room No.402	I B.Sc A&B
8.	30-Sep-21	Student Development Program	Current Trends in Computer Science	Google Meet	II B.Sc A&B
9.	24-Sep-21	Mrs. Geetha Sundaram Associate Director Cognizant Technology Solutions	Industry Readiness	Google Meet	III B.Sc. A&B

		Chennai			
10.	22-Sep-21	Ms.P. Kousalya Software Engineer-ATMECS Inc., Bangalore	Career Development in IT	Google Meet	III B.Sc. A&B
11.	21-Sep-21	Dr. K. Nandhini Professor,Chikkanna Government Arts College, Tiruppur	Soft Skills	Google Meet	II B.Sc. A&B
12.	7-Sep-21	Mr.Ganesh Moorthy.K Designer, ATS, Coimbatore	Augmented and Virtual reality	Google Meet	II B.Sc. A&B & PG Students
13.	14-Aug-21	Mrs.Amutha.R Assistant Professor PSG College of Arts and Science Coimbatore	MongoDB Features	Google Meet	III B.Sc. A&B &II M.Sc

2. Interdepartmental Technical Symposium

S. No.	Date	Nature of the extension	Venue	Students involved
1	20-Apr-22	ICONSOFT 2022	Kambar Arangam	Faculty of Computer Science

3. Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1	26-Mar-22	Importance of Women Education	Andakapalayam Village	III UG Students
2	01-Oct-21	Awareness on Aarogya Setu – Mobile APP	Veeriyampalayam Village	PG Students

4. Seminar /Workshop Conferences organized

S. No.	Date	Nature of the Event (Conference/ Seminar/Workshop)	Title of the Event	Venue	Beneficiary
1	28-Feb-22	National Science Day 2022	National Science Day 2022	Google Meet	All UG and PG Students

5. Awards and Prizes for Staff

S. No.	Name of the Staff	Name of the Award	Awarded by	Cash Prize (If any)	Date
1	Shobana. V	Best Paper Award	K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu.	-	16-Feb-22 to 18-Feb-22

6. Staff Recognitions:

S. No.	Name of the Staff	Acted As	Name of the Programme	Date	Venue
1.	Mrs.S.Revathi		Angappa College of Arts and Science	11-Jun-21	
2.	Mrs.S.Revathi		CMS College of Science and Commerce	02-Jun-21	

3. Staff Participation

S. No.	Conference Date	Name of the Faculty	Programme Name	Organized by
1	25-Feb-22 to 26-Feb-22	Mrs.S.Revathi	International Conference on Teaching Learning and Assessment (ICTLA-2022): Practices, Systems and Sustainability	ChristUniversity, Bangalore in collaboration with Oral Roberts University, USA and Chinhoyi.
2	07-Mar-2022	P.Usha	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology

3	07-Mar-2022	M.Savithri	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
4	07-Mar-2022	S.Revathi	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
5	07-Mar-2022	V.Shobana	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
6	07-Mar-2022	S.Maheshwari	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
7	07-Mar-2022	S.Saranya	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
8	07-Mar-2022	S.R. Kalaiselvi	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
9	07-Mar-2022	A.Sumathi	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology

10	07-Mar-2022	M.Sangeetha	National Level Seminar on Sustainable Environment for Development of Crop Returns in the field of Agriculture using IoT	Dr.N.G.P. Institute of Technology
11	09-Apr-2022	S.Revathi	International Conference on Women in Data Science(WiDS 2022)	IIM, Bangalore
12	11-Apr-2022 to 12-Apr-2022	S.Saranya	Two Day National Online Faculty Development Programme on Plagiarism in Academic Research & Author Identifiers	Indian Institute of Management and Commerce
13	11-Apr-2022 to 12-Apr-2022	P.Usha	Two Day National Online Faculty Development Programme on Plagiarism in Academic Research & Author Identifiers	Indian Institute of Management and Commerce
14	02-Feb-2022 to 09-Feb-2022	S.Saranya	One Week Faculty Development Programme on Current Trends in Information Technology	Nehru Arts and Science College
15	02-Feb-2022 to 09-Feb-2022	P.Usha	One Week Faculty Development Programme on Current Trends in Information Technology	Nehru Arts and Science College
16	06-Jan-2022	S.Revathi	NPTEL E-Awareness Workshop	Dr.N.G.P Arts and Science College
17	29-Oct-2021 to 30-Oct-2021	S.Saranya	International Conference on Advances and Applications of Artificial Intelligence and Machine Learning	Sharda University
18	09-Aug-2021	S.Saranya	Virtual Workshop on Data Analysis Using Python	Nehru Arts and Science College

19	09-Aug-2021	P.Usha	Virtual Workshop on Data Analysis Using Python	Nehru Arts and Science College
20	21.03.2022 to 27.03.2022	Dr.M.Sangeetha	Seven Days National Level Executive Developement/ FDP on Artificial Intelligence Embedded Business Process	Avinashilingam Institute of Home Science and Higher Education for Women
21	19.1.2022	Dr.M.Sangeetha	NPTEL E-Awareness Workshop	NPTEL
22	1.03.2022 to 2.03.2022	Dr.M.Sangeetha	Two Days Online Faculty Awareness Program	Pollachi College of Arts and Science
23	27.09.2021 to 01.10.2021	Dr.M.Sangeetha	Faculty Development Program on Introduction to Python Programming	ICT Academy
24	03.08.2021 to 10.08.2021	Dr.A.Sumathi	International Level Faculty Development Programme	Nallamuthu Gounder Mahalingam College
25	21.09.2021 – 24.09.2021 & 28.09.2021 – 30.04.2021	Dr.A.Sumathi	FDP on framework for IoT Applications	Dr.N.G.P Arts and science College
26	28.06.2021 – 03.07.2021	Dr.A.Sumathi	Six day virtual FDP on recent Trends in Data Science & Big Data Analytics	KG College of Arts and science
27	28.06.2021 – 05.07.2021	Dr.A.Sumathi	Seven Days International FDP on Artificial intelligence 7 machine Learning	PPG college of Arts and Science
28	15.06.2021 – 21.06.2021	Dr.A.Sumathi	Online FDP on research methodology and Pedagogy for Tertiary Education	Dr.N.G.P Arts and science College
29	06.01.2022	Dr.A.Sumathi	NPTEL E-Awareness Workshop	NPTEL

30	25-Apr-22 to 29-Apr-22	V.Shobana	Five Days National Level Faculty Development Programme on Data Analytics organized by Department of Computer Applications	Presidency College, Bengaluru.
31	25-Apr-22 to 29-Apr-22	S.Maheshwari	Five Days National Level Faculty Development Programme on Data Analytics organized by Department of Computer Applications	Presidency College, Bengaluru.
32	25-Apr-22 to 29-Apr-22	S.R. Kalaiselvi	Five Days National Level Faculty Development Programme on Data Analytics organized by Department of Computer Applications	Presidency College, Bengaluru.
33	06-January-22	S.Maheshwari	NPTEL E-Awareness Workshop	Dr.N.G.P Arts and Science College
34	21.09.2021 – 24.09.2021 & 28.09.2021 – 30.04.2021	S.Maheshwari	FDP on framework for IoT Applications	Dr.N.G.P Arts and science College
35	06-January-22	Dr. M. Savithri	NPTEL E-Awareness Workshop	Dr.N.G.P Arts and Science College
36	18-04-2022 to 23-04-2022	Dr. M. Savithri	FDP on Next Generation Computing: Key Trends, Challenges and Opportunities	SRM Institute of Science and Technology, Ramapuram
37	Aug-Oct 2021	Dr. M. Savithri	FDP on Big Data Computing	NPTEL

38	11-09.2021	Dr. M. Savithri	Webinar on Data Science for Cyber Security, Recommendation System and Healthcare	Maharishi Markandeshawar, Haryana
39	23-Aug-2021 to 27-Aug-2021	Dr. M. Savithri	FDP on Cybersecurity Essentials	ICT Academy

4. Staff Presentation

S. No.	Date	Name of the Faculty	Name of the Conference	Name of the title	College
1	16-Feb-22 to 18-Feb-22	Shobana.V	IEEE sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022)	Ensemble Techniques to improve the performance of High Dimensional Multiclass Algorithms	K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu, India
2	08-Apr-2022 to 09-Apr-2022	S.Saranya	International Conference on Digital Information Security and Computing Technologies	Mental Health Prediction Models Using Machine Learning	Sankara College of Science and Commerce
3	08-Apr-2022 to 09-Apr-2022	P.Usha	International Conference on Digital Information Security and Computing Technologies	Machine Learning approach for Type II Diabetes Prediction	Sankara College of Science and Commerce

4	08-Apr-2022 to 09-Apr-2022	M.Savithri	International Conference on Digital Information Security and Computing Technologies	An Overview on Blockchain Technology, its application and future trends	Sankara College of Science and Commerce
5	04-03-2022 to 05-03-2022	Dr. J. Ramkumar	IEEE International Conference on Advanced Computing Technologies and Applications 2022	Energy Consumption Minimization in Cognitive Radio Mobile Ad-Hoc Networks using Enriched Ad-hoc On-demand Distance Vector Protocol	Sri Krishna College of Engineering and Technology
6	04-03-2022 to 05-03-2022	Dr. J. Ramkumar	IEEE International Conference on Advanced Computing Technologies and Applications 2022	Robust Optimization Based Extreme Learning Machine for Sentiment Analysis in Big Data	Sri Krishna College of Engineering and Technology

5. Students Presentation

S.no	Date	Name of the student	Name of the event	Name of the title	College
1	08-Apr-22 to 09-Apr-22	B. Dhanush P.S. Sowmiya G. Kavitha	Two-day international conference on Digital Information Security & Computing Technologies in Collaboration with Lincoln University, Malaysia	Big Data Analytics	Sankara College of Science and Commerce
2	10-Dec-21	Gokul A G Veerappan R	Recent Trends and Advances in the Field of Information Technology	Smart Payments in Internet of Things	Karpagam Academy of Higher Education Online mode

| 3 | 10-Dec-21 | Selva Vigneshwaran M | Recent Trends and Advances in the Field of Information Technology | Internet of Things In Reduce In Food Wastage In Australia | Karpagam Academy of Higher Education Online mode |
| 4 | 10-Dec-21 | Charan C S

Prasanth Subramani | Recent Trends and Advances in the Field of Information Technology | Internet of Things in Smart Appliances | Karpagam Academy of Higher Education Online mode |

6. **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	Dr. B. Rosiline Jeetha	Cluster Based Data-Aggregation Using Lightweight Cryptographic Algorithm for Wireless Sensor Networks	Material Science	2214-7853,Jun-21,Vol.No.1,Issue.No.1	4.3	SPRINGER
2	Dr. B. Rosiline Jeetha	Enhanced Cuckoo Search Optimization and Hybrid Firefly Artificial Neural Network Algorithm for Cyber bullying Detection on Twitter Dataset	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2456-3307,Sep-21,Vol.No.2,Issue.No.3	3.1	SCOPUS
3	Dr. V.Jaiganesh	An Enhanced Efficient Leach Protocol (EELP) with Novel Cross Layer Technique to forward the Data Packets in Wireless Sensor Networks	International Journal of Innovative Research in Applied Sciences and Engineering (IJIRASE),	2456- 8910,Jan-21, Vol.No.4,Issue.No.7	-	WoS
4	Dr.V.Jaiganesh	Unified energy efficient distributed network management protocol to forward the data packets	Indian Journal of Science and Technology,	0974-5645,Feb 2021,Vol.No.14,Issue.No.6	-	WoS

		and to improve QoS in Wireless Sensor Networks the data packets and to improve QoS in Wireless Sensor Networks				
5	Dr. A. Sumathi	A Fine-Grained Top K Multikeyword Search Over Large Scale Distributed Data Processing Paradigm	Turkish Online Journal of Qualitative Inquiry	1309-6591,Jul-21, Vol.No.12,Issue.No.7	-	SCOPUS
6	Dr. A. Sumathi	High Dimensional Deep Data Clustering Architecture Towards Evolving Concept	Natural Volatiles and Essential Oils	2148-9637,Sep-21, Vol.No.8,Issue.No.5	-	SCOPUS
7	Dr. J. Ramkumar	Constrained Cuckoo Search Optimization Based Protocol for Routing in Cloud Network	International Journal of Computer Networks and Applications	2395-0455,Dec-21, Vol.No.8,Issue.No.6	-	SCOPUS
8	Dr. J. Ramkumar	Intelligent Fish Swarm Inspired Protocol (IFSIP) for Dynamic Ideal Routing in Cognitive Radio Ad-Hoc Networks	International Journal of Computing and Digital Systems	2210-142X,Nov-21, Vol.No.10,Issue.No.1	-	SCOPUS
9	Dr.M .Sangeetha	Issues and Methods in Image Mining for Image Retrieval Systems	Webology	1735-188X,Dec-21, Vol.No.18,Issue.No.2	-	Scopus
10	Dr.M .Sangeetha	DRR: A deep Learning Approach for Diabetic Retinopathy Detection using Fuzzy C means Clustering	Indian Journal of Natural Sciences	0976-0997,Apr-22, Vol.No.13,Issue.No.71	-	WOS
11	Mrs.V.Shobana	Ensemble Techniques to improve the Performance of	IEER Digital Explore	Feb 2022		Scopus

		the High Dimensional MultiClass Algorithms				

7. Staff/Student Internship

S. No.	Name of the Staff/Student	Name of the Internship/Fellowship	Duration	Venue
1	P.Nivetha (II M.Sc.)	Trainee	6 months (Dec 21-May 22)	Tata ELXSI
2	R. Niveda (III B.Sc.CS B)	Trainee	3 months (Apr 22-June 22)	ZOLO
3	S.Dharunika (III B.Sc.CS A)	Trainee	6 months (Sep 21-Feb 22)	NUOS
4	K. Praveenraj (III B.Sc.CS B)	Trainee	6 months (Sep 21-Feb 22)	NUOS
5	R.Yeshwanth (III B.Sc.CS B)	Trainee	6 months (Sep 21-Feb 22)	NUOS
6	M.Sowmya (III B.Sc.CS B)	Trainee	6 months (Dec 06-June 06)	IVY Mobility

8. Staff / Student Consultancy

S. No.	Name of the Staff / Student	Area of Consultancy	Duration	Place where Consultancy was offered	Amount
1	Dr. B. Rosiline Jeetha	ERP Generation		i-Soft Solutions, Coimbatore	Rs. 1,00,000/-

9. Students Participation

S. No.	Date	Name of the Students	Event	College	Inter Collegiate / Inter Departmental	Prizes won
1	12-Apr-22	Vismita S,	Group Dance	KPR College of Arts Science and Research	Inter Collegiate	Participation
2	12-Apr-22	Yogasri. A.S	Group Dance	KPR College of Arts Science and Research	Inter Collegiate	Participation

3	12-Apr-22	Sivaranjani S	Mehandi	KPR College of Arts Science and Research	Inter Collegiate	Participation
4	12-Apr-22	Rahul M K	Photography	KPR College of Arts Science and Research	Inter Collegiate	Participation
5	12-Apr-22	Vijayan M	Photography	KPR College of Arts Science and Research	Inter Collegiate	Participation
6	12-Apr-22	Dharshana Devi	Rangoli	KPR College of Arts Science and Research	Inter Collegiate	Participation
7	12-Apr-22	J. Gokilavani	Photography	KPR College of Arts Science and Research	Inter Collegiate	Participation
8	16-Mar-22	Vijay M	Tech Quiz & Gaming	KPR College of Arts Science and Research	Inter Collegiate	Participation
9	16-Mar-22	Sindhu P	Tech Quiz & Gaming	KPR College of Arts Science and Research	Inter Collegiate	Participation
10	16-Mar-22	Prince Harrison N	Tech Quiz & Gaming	KPR College of Arts Science and Research	Inter Collegiate	Participation
11	16-Mar-22	J. Gokilavani	Paper Presentation	KPR College of Arts Science and Research	Inter Collegiate	Participation
12	16-Mar-22	J. Gokilavani	Video Editing	KPR College of Arts Science and Research	Inter Collegiate	Participation
13	16-Mar-22	Swathi S	Tech Quiz & Gaming	KPR College of Arts Science and Research	Inter Collegiate	Participation
14	16-Mar-22	Vigneshwaran S	Tech Quiz & Gaming	KPR College of Arts Science and Research	Inter Collegiate	Participation
15	16-Mar-22	J. Gokilavani	Rangoli	KPR College of Arts Science and Research	Inter Collegiate	Participation
16	29-Oct-21	J. Gokilavani	Bharathiar Nuitdrandu Vizha	Dr. N.G.P. Arts and Science College	Inter Collegiate	II
17	20-Oct-21	Ms. Deepshika	Essay Writing -Tamil	French Tamil Sangham	Inter Collegiate	II

10. Book Chapter Publications:

S.No	Date	Name of the staff	Name of the Book/Chapter	Name of the Publisher

1	March 22	Shobana.V	Advancement of Machine Learning and its Application for Prediction and Classification/Application of Predictive Analytics in Healthcare using Machine learning Algorithms- An Experimental Approach	Immortal Publications

11. Alumni Interaction:

S.No	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1	01-Apr-22	Mr. Arunkumar.R Software Engineer NeoSay Technologies and Solutions (P) Ltd, Coimbatore	Web Technology	Google Meet	III B.Sc A & B, II M.Sc
2	22-Sep-22	Ms.P.Kousalya Software Engineer, ATMECS Inc.	Career Development in IT		III B.Sc A & B