



CS HAPPEN BYTES

DEPARTMENT OF COMPUTER SCIENCE

NEWSLETTER

[2021-2022]

ISSUE VIII



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ABOUT CS HAPPEN BYTES

It gives us immense pleasure in presenting to the 2021-2022 issue of CS Happen Bytes, on behalf of the department of computer science, New Prince Shri Bhavani Arts and Science College. The current newsletter brings out the achievements of our students, staff and alumni in curricular, co-curricular and extra-curricular spheres during the academic year of 2021 to 2022. This CS Happen Bytes is also a repository of information and knowledge, providing a forum for open exchange of ideas. We are happy to note that various initiatives are taken by the department to impart knowledge to the staff and students by organizing symposium, development programs, intra departmental events and workshops. Students and teachers connect, discuss, share their opinions, and act upon situations collaboratively. Every aspect of event from its inception to the execution had been the outcome of the culminated efforts of the faculty and students of the departments. We hope that the readers find the issues informative and useful. We are incredibly thankful to our computer science department faculty members who have helped and guided us in bringing up this issue. We are also thankful to our department HOD'S, who has been an integral part of the CS Happen Bytes without whom its culmination would not have been possible. We welcome suggestions and feedback that will help us improve further. We can be reached at newsletter@newprincearts.edu.in.



HOD'S MESSAGE

Dr. V. Uma Devi

Message from the HOD

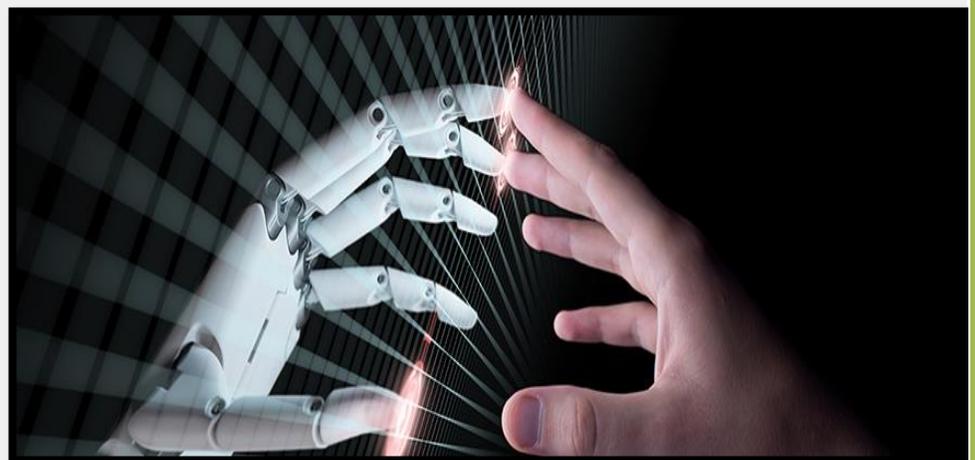
As Clay Bedford quotes “You can teach a student a lesson for a day; but if you can teach him to learn by creating curiosity, he will continue the learning process as long as he lives.”



HOD'S MESSAGE

In light of the corona virus crisis, the technology played an important role and the medium of learning has been converted to distance learning. Though the new era of digital transformation emerged in the teaching techniques, there exists a gap in the higher education as it is difficult to find the distraction-free learning space at home. The gap has been removed when the university has been opened for the students with the precautionary measures of COVID-19 pandemic inside the college campus. The “New Normal” arise due to smooth transition from the remote learning to the traditional learning and was well accepted by the students as well as teachers and routine of returning to campus has given a boost to physical and emotional health, fun, creativity, social connection and stress relief. This spirit is well captured and reflected in this latest edition of Computer Science Department Newsletter.

I congratulate Computer Science students and staff for the release of this newsletter which reflects the spirit of new normal in college campus. Computer Science students excel not only in academics but also in various departmental activities and competitions. The vigor and participation of students across different activities shows how well they have accepted and adjusted to this transition to new normal and working enthusiastically for scaling new heights. I am sure that the Computer Science students and staff will keep this spirit and enthusiasm for future endeavors too.



VISION:

To be in the frontier of computer science and applications to produce globally competent graduates and professionals with innovative ideas, and moral values to build a vibrant nation.

MISSION:

- *To provide quality education to meet the need of profession and society.*
- *Provide a learning ambience to enhance innovations, problem solving skills, leadership qualities, team-spirit and ethical responsibilities.*
- *Establish Industry Institute Interaction program to enhance the entrepreneurship skills*
- *Provide exposure of latest tools and technologies in the area of information technology.*
- *To inculcate value-based, socially committed professionalism to the cause of holistic development of students and society.*



ABOUT THE DEPARTMENT

- ❖ The Department of Computer Science was established in the year of 1999 with UG program, B.Sc. Computer Science to nurture fresh talent in the field of Information Technology.
- ❖ To accomplish the need of IT sector, we started BCA in 2000. The Department was upgraded into a post graduate stream in the year of 2003. Every aspect of event from its inception to the execution had been the outcome of the culminated efforts of the faculty and students of the departments. It aimed to inculcate and enhance the critical thinking, creativity, interpersonal skills .
- ❖ It is committed to provide a supportive, friendly, and

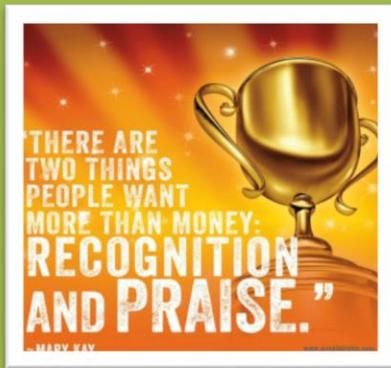
to impart the quality education in the sub fields of IT, a field growing leaps and bounds.

- ❖ The department has a well-equipped laboratory and a reference library. The faculty members have very strong academic credentials.
- ❖ The department regularly organizes various seminars, conferences, workshop and development programs etc., for the benefit of faculties and students in the area of Information Technology.
- ❖ The Faculty of the department also attends frequent training programs which help them to handle constantly changing technological trends. The overall academic performance of the department is outstanding.

NEVER BE AFRAID TO GO AFTER YOUR DREAMS, REGARDLESS OF THE NEGATIVE FORECAST THAT HAS BEEN PREDICTED UPON US. BEAT THE ODDS AND LET THE SUN SHINE. YOU MUST KEEP STRIVING FOR SUCCESS

AWARD AND RECOGNITION

Our college is proud of distinguished faculty members who have brought laurels to the institute by their exemplary service and achievements.



- Dr .S.Uma Devi was invited as a Technical Session Keynote Speaker of the 1st International Conference on Innovation and Advanced Research in Software Applications held on December 2021.
- Dr .P.Calista Bebe was awarded with Doctorate Degree on December 2021.
- “Best Paper Award Certificate” is granted to Mrs.S.Janet Grace Susila for her paper with the title “An Eye Ailment Appreciation Scheme from Bacterial Infective Diseases Using Machine Learning Techniques” from International Journal of Future Generation Communication and Networking in the year 2022.

ASSOCIATION AND ACTIVITIES

Technosis- Association of Computer Science, organized many events like Technical Symposium, Faculty Development Programs, Workshops, Seminars, and Intra-Departmental Events for the benefit of students as well as faculty members to acquire knowledge in the latest technologies and career development. Here are the details of some important events during the academic year 2021-2022:

TECHNIX 2K'22



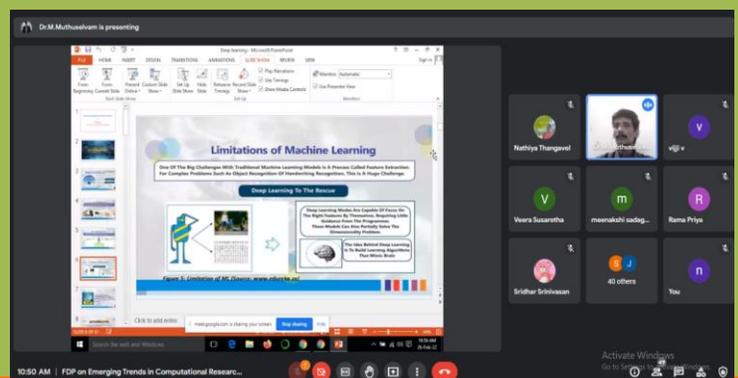
A national level technical symposium “**TECHNIX 2K'22**” hosted by the Department of Computer Science, held on 9th April 2022. This Symposium is to enlighten and encourage the participants (UG & PG) to gain hands on knowledge on the recent trends development in various avenues of computer science and Information Technology. Main intention of TECHNIX 2K'22 is to inculcate and enhance the critical thinking, creativity, interpersonal skills and analytical skills of the students. The symposium drew about 22 teams from various colleges, making it a huge success.



CS HAPPEN BYTES

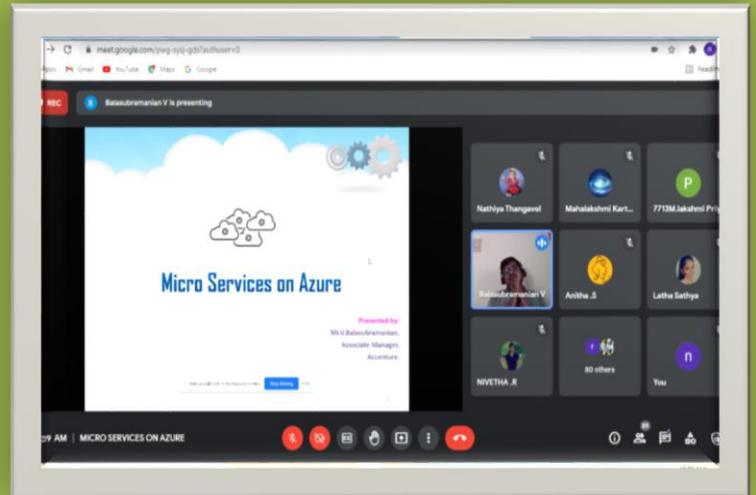
FACULTY DEVELOPMENT PROGRAMME

Five days FDP on “**Faculty Development Programme on Emerging Trends in Computational Research**” was held from 14.6.2021 to 18.6.2021.



WORKSHOP

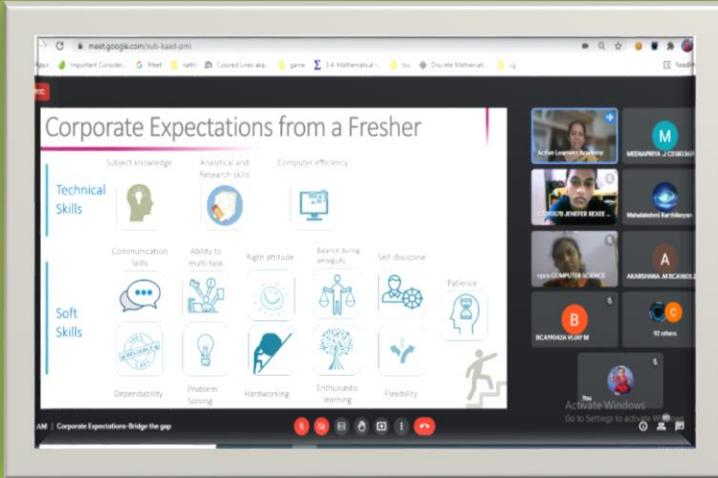
“A one day online Skill Development Workshop on Micro Services on Azure” by Mr.V.Balasubramanain, Associate Manager, Accenture held on 7th June 2021.



“A one day Skill Development Workshop on Text Mining” by Mrs.S.Arockiya Selvi, School of Computing Sciences, VISTAS held on 23rd April, 2022.

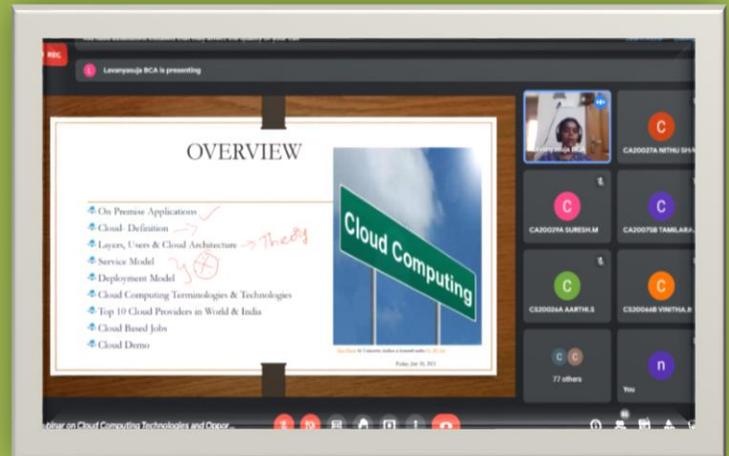


WEBINAR

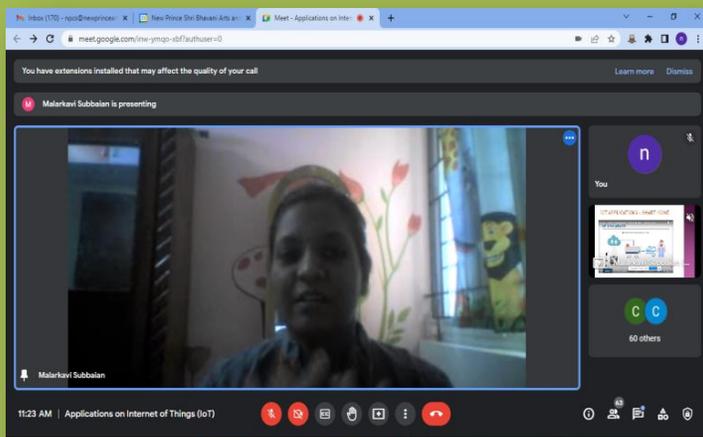


A one day Skill Development Webinar on “Campus Qualification to Corporate Expectation - Bridge the Gap” hosted by Dr.L.Lavanya, Director - Active Learnerz Academy, held on 9th June, 2021.

A one day Skill Development Webinar on “Cloud Computing Technologies and Opportunities” presented by Mrs.T.Lavanya Suja ,AP, Madras Christian College held on 30th July, 2021.

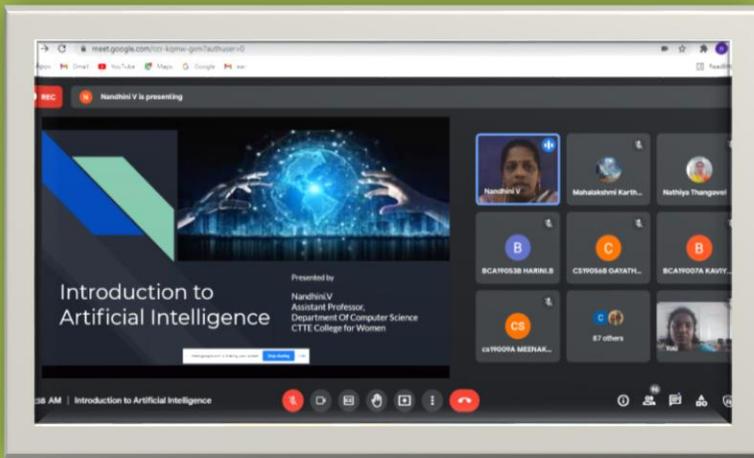


A one day Skill Development Webinar on “Skill expectation towards Industry Parameters” hosted by Mrs.Niranjana Johnlouis, held on 17th July 2021.



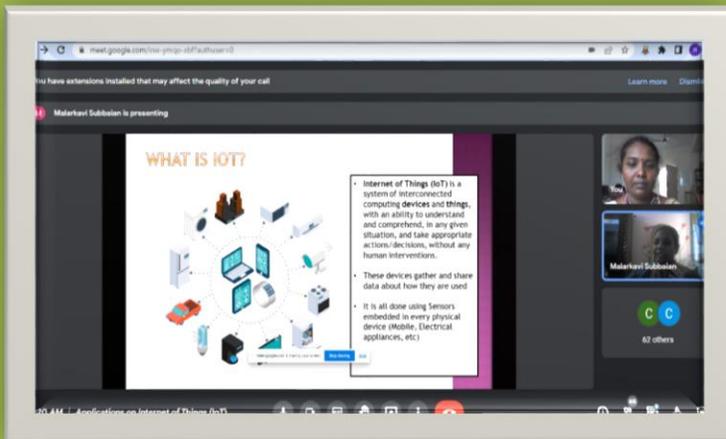
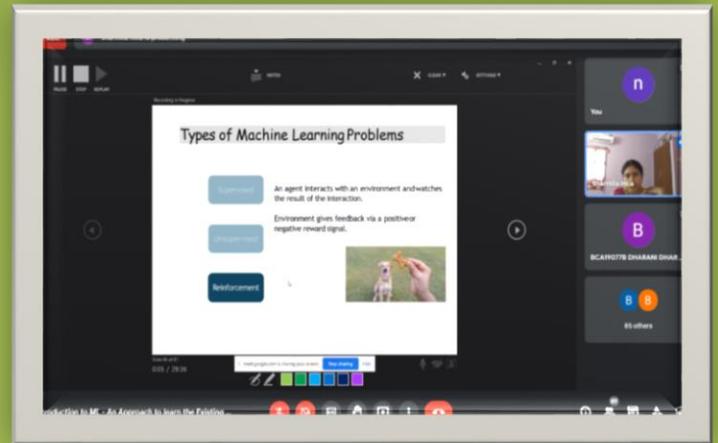
A one day Skill Development Webinar on “Intelligent Apps-2021” presented by Dr.A.Ambeth Raja Head & Associate Professor, Thiruthangal Nadar College, held on 7th August, 2021.





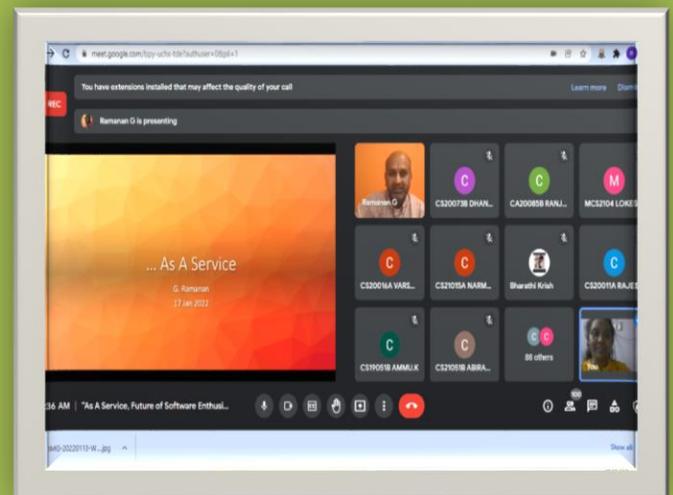
☞ ☐ A one day Skill Development Webinar on “Introduction to Artificial Intelligence” hosted by Mrs.V.Nandhini,AP, CTTE College held on 25th August, 2021.

☞ A one day Skill Development Webinar on “Introduction to Machine Learning” presented by Mrs.B.Sharmila Suresh, MIT Campus held on 31st August, 2021.



☞ A one day Skill Development Webinar on “Applications of IoT” hosted by Mrs.S.Malarkavi, Aadhityaa Infomedia Technologies, held on 18th December 2021.

☞ A one day Skill Development Webinar on “As a service, Future of Software Enthusiasts” presented by Mr.Ramanan G, Sr Software Development Manager, Oracle Corporation, USA. held on 17th January, 2022.



INTERNSHIP PROGRAMME



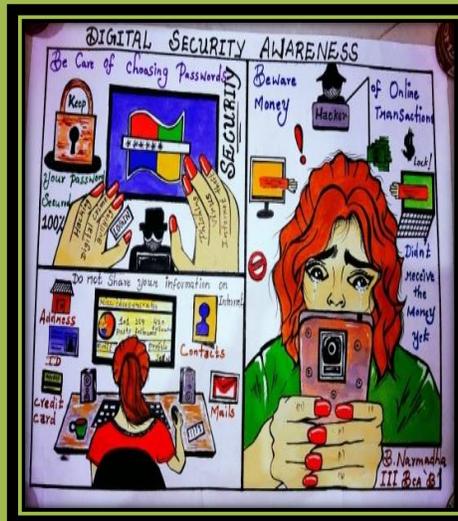
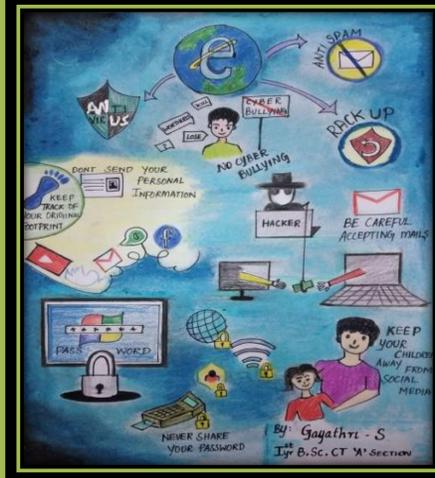
- Internship Program being undertaken by the students of B.Sc CS and BCA (Batch of 2019-22) of New Prince Shri Bhavani Arts and Science College at ZOHO.
- Internship Program being undertaken by the students of M.Sc CS (Batch of 2021-23) of " for final New Prince Shri Bhavani Arts and Science College at Pantech E Learning.



INTER-DEPARTMENTAL

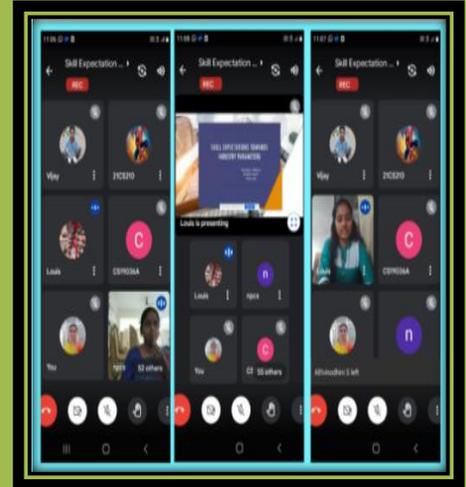
COMPETITIONS

Inter-Departmental online Poster Making Competition "TECHO SHARE'21", held on 12th December 2021.



ALUMNI TALK

Alumni talk on "Skill expectation towards Industry Parameters" for students delivered by Ms. Niranjana Johnlouis, Web Developer, Wipro, held on 17th July 2021.



ADD ON COURSE – VIRTUAL PLATFORM



- ☞ "MATLAB" held from 8th to 20th November 2021, hosted by "Aadhityaa Infomedia Technologies. year UG and PG students.
- ☞ "CYBER SECURITY" held from 8th to 23rd November 2021, hosted by "Aadhityaa Infomedia Technologies" for second year UG and first year PG students.
- ☞ "FLASH" held from 3rd to 18th December 2021, hosted by "Aadhityaa Infomedia Technologies" for first year UG students.

PUBLICATIONS BY FACULTY MEMBERS

1. Dr. V. Uma Devi and Dr. S. Elavarasi , have published a paper on “Deep Learning In Artificial Intelligence” in Journal of Information and Computational Science(JICS) in the year 2021.
2. Dr. V. Uma Devi has published a paper on “Secured Cloud Service Provisioning Techniques With IoT” in Ilkogretim Online - Elementary Education Online in the year 2021.
3. Dr. V. Uma Devi, has published a paper on “A Survey On Business Intelligences Mining” in The International journal of analytical and experimental modal analysis in the year 2021.
4. Dr. V. Uma Devi and Dr.T.NATHIYA, have published a paper on “A Comprehensive Survey On Artificial Intelligence For Advance V2x System” in Journal of Information and Computational Science (JICS) in the year 2021.
5. Dr. V. Uma Devi has published a paper on “Review on Security Attacks and Intrusion Detection Methods in Mobile Ad-Hoc Networks (MANET)” in Journal of Critical Reviews in the year 2021.
6. Dr. V. Uma Devi and Mrs.S.Sivakamasundari, have published a paper on “A Study of Security Issues in Cloud Computing on Data Storage” in Turkish Journal of Computer and Mathematics Education in the year 2021.
7. Mrs. K.Maheswari, has published a paper on “Protection Armed Forces Using Blockchain: A Analysis” in Turkish Journal of Mathematics Education in the year 2021.
8. Mrs. I.Poonkody has published a paper on “Green Cloud Computing” in Journal Of Information And Computational Science in the year 2021.
9. Mrs.S.Sivakamasundari and Mrs.Kala, have published a paper on “Study on COVID -19 using Personnel Flow Prediction for prevention and control” in Journal Of Information And Computational Science in the year 2021.
10. Dr. T.Nathiya has published a paper on “A survey paper based on cloud and its security breaches with its countable measures” in Journal of Information and Computational Science in the year 2021.
11. Dr. R.Alarmelu Mangai and Mrs.B.Bhuvaneswari have published a paper on “Quantum Computers A Replacement of Classical Computers” in Journal Of Information And Computational Science in the year 2021.
12. Mrs.Kala and Dr.A.Thilaga have published a paper on “A Review on Biometrics Human Fingerprint Identification” in Journal Of Critical Reviews in the year 2021.
13. Dr. P.Calista Bebe has published a book The Convergence of AI and BlockChain Technologies,pp. 181-200 (2022) chapter 9 on “The Data Consensus Algorithm for Smart City Applications Using Blockchain Technology in Industrial IoT” in the year 2022.

WORKSHOP AND CONFERENCES PARTICIPATED BY FACULTY MEMBERS

From	To	Faculty Name	Title	Venue
31-05-2021	04-06-2021	Dr.P.Calista Bebe, A.Sivarani, K.Maheshwari	Theory Of Automata and Discrete Structures	Dwaraka Doss Goverdhan Doss Vaishnav College
31-05-2021	05-06-2021	Dr.P.Calista Bebe	Applied Soft Computing and Vision Machine Techniques(Series IV)	Dr.M.G.R.Educational and Research Institute
07-06-2021	12-06-2021	A.Sivarani	Cloud computing	E & ICT Academy, IIT Kanpur
14-06-2021	19-06-2021	P.Calista Bebe	Advance Networking Concepts	E & ICT Academy, IIT Kanpur
14-06-2021	19-06-2021	A.Sivarani	Python	E & ICT Academy, IIT Kanpur
14-06-2021	18-06-2021	K.Maheshwari ,S.Sivakamasundari, Dr.R.Alarmelu Mangai, I.Poonkody, Dr.V.Poornima, Dr.T.Nathiya, Dr.G.G.Goklam, Dr.B.Mahalakshmi, D.Dhanalakshmi, Dr.R.Akilan	Emerging Trends in Computational Research	New Prince Shri Bhavani Arts and Science College
16-06-2021	16-06-2021	A.Sivarani	Data Analytics Using RPA	Mahalashmi Women's College Of Arts & Science
19-06-2021	19-06-2021	A.Sivarani	Cloud Computing Microsoft Azure	Nehru Arts and Science College
21-06-2021	21-06-2021	Dr.B.Mahalakshmi, R.Kala, Dr.R.Alarmelu Mangai	Yoga For Youth Empowerment	New Prince Shri Bhavani Arts and Science College
24-06-2021	24-06-2021	A.Sivarani	Applications of virtual reality	Patrician college of Arts and Science
21-06-2021	26-06-2021	Dr.P.Calista Bebe	Core Java	E & ICT Academy, IIT Kanpur
21-06-2021	25-06-2021	S.Sivakamasundari	Fundamentals of RPA	E & ICT Academy
21-06-2021	25-06-2021	Dr.B.Mahalakshmi, R.Kala, Dr.R.Alarmelu Mangai	Wireless Data Transmission Using Latest Technology	New Prince Shri Bhavani Arts and Science College
28-06-2021	03-07-2021	I.Poonkody	Multi Technology	M.Kumarasamy College of Engineering
02-07-2021	03-07-2021	A.Sivarani	Two days workshop on IoT	Chalapathi Institute of Engineering and technology
05-07-2021	05-07-2021	Dr.P.Calista Bebe	Google Scholar and Zotero	New Prince Shri Bhavani Arts and Science College
05-07-2021	10-07-2021	Dr.R.Alarmelu Mangai	Cloud computing	E & ICT Academy, IIT Kanpur
09-07-2021	14-07-2021	Dr.B.Mahalakshmi	Progress In Computer Science and Its Applications	Vels Institute of Science, Technology
26-07-2021	31-07-2021	Dr.P.Calista Bebe	App Development with Android	E & ICT Academy, IIT Kanpur
10-08-2021	10-08-2021	I.Poonkody	Oracle Academy Faculty Day	Oracle Academy
14-08-2021	14-08-2021	Dr.P.Calista Bebe	Emerging Trends in IOT	Chalapathi Institute of Engineering and technology
16-08-2021	16-08-2021	Dr.P.Calista Bebe	How to keep yourself energized the whole day	New Prince Shri Bhavani Arts and Science College
20-08-2021	20-08-2021	Dr.P.Calista Bebe	Creating Visual Classroom using Google Tools	International Institute Of Organized Research
14-09-2021	18-09-2021	Dr.P.Calista Bebe, Dr.B.Mahalakshmi	NET/SET/GATE Exam Preparation	Pratibha College Of Commerce and Computer Studies
19-09-2021	19-09-2021	Dr.P.Calista Bebe	Data Science Applications using ML & DL Techniques	Chalapathi Institute of Engineering and technology
20-09-2021	24-09-2021	Dr.P.Calista Bebe, Dr.B.Mahalakshmi	Idea Generation Methods	ICT Academy
20-09-2021	24-09-2021	Dr.T.Nathiya, R.Kala	CyberSecurity InfraStructure Configuration	ICT Academy
21-09-2021	25-09-2021	A.Sivarani	Digital Teaching technique	ICT Academy
24-09-2021	24-09-2021	Dr.B.Mahalakshmi, A.Sivarani	LATEX Tools For Writing Research	Periyar Maniammai Institute of Science & Technology

WORKSHOP AND CONFERENCES PARTICIPATED BY FACULTY MEMBERS

FACULTY DEVELOPMENT PROGRAM

From	To	Faculty Name	Title	Venue
04-10-2021	04-10-2021	Dr.R.Alarmelu Mangai, I.Poonkody, Dr.P.Calista Bebe	Effective Research Tools	Shri Shankarlal Shundarbai Shasun Jain college for Women
04-10-2021	08-10-2021	Dr.P.Calista Bebe, S.Sivakamasundari	Fundamentals of RPA	ICT Academy
08-10-2021	09-10-2021	I.Poonkody	Artificial Intelligence in Health Care	Society of Indian Radiographers Technologist
09-10-2021	09-10-2021	I.Poonkody	Artificial Intelligence in Health Care	Society of Indian Radiographers Technologist
20-10-2021	22-10-2021	K.Maheshwari	Fundamentals Of AI	ICT ACADEMY
27-10-2021	28-10-2021	Dr.P.Calista Bebe	Cyber Security Testing	Hindustan Insitute Of Technology And Science
29-10-2021	30-10-2021	Dr.T.Nathiya	Technical Committee Member	2st International Conference On Mathematical Modeling And Computational Science
15-12-2021	21-12-2021	S.Sivakamasundari, Dr.R.Alarmelu Mangai, I.Poonkody, Dr.B.Mahalakshmi, R.Kala, A.Janet Grace Susila, Dr.T.Nathiya, Dr.G.G.Goklam,	Role of Indestry 4.0 in Research and Higher Education	Vels Institute of Science, Technology
22-12-2021	22-12-2021	Dr.P.Calista Bebe	Big Data	The New College
10-01-2022	10-01-2022	Dr.R.Alarmelu Mangai, I.Poonkody, Dr.B.Mahalakshmi, R.Kala, Dr.T.Nathiya,	Research Resources & Productivity	New Prince Shri Bhavani Arts and Science College
05-02-2022	05-02-2022	Dr.P.Calista Bebe	NAAC Revised Assessment and Accreditation Framework	New Prince Shri Bhavani Arts and Science College
14-02-2022	18-02-2022	S.Sivakamasundari, Dr.R.Alarmelu Mangai, I.Poonkody, A.Sivarani	Recent trends in Computational Intelligence	Bon Secours College For Women
14-02-2022	18-02-2022	Dr.P.Calista Bebe, Dr.A.Thilaka	Curriculum Design and Development	Dr.MGR Educational and Research Institute
16-02-2022	18-02-2022	Dr.P.Calista Bebe, Dr.R.Alarmelu Mangai, Dr.B.Mahalakshmi, R.Kala, Dr.T.Nathiya	Microsoft Azure Fundamentals	ICT Academy
04-03-2022	05-03-2022	Dr.P.Calista Bebe	Fuzzy k-means clustering Technique in wireless sensor network	SRM Institute of Science and Technology
14-03-2022	16-03-2022	S.Sivakamasundari, Dr.R.Alarmelu Mangai, I.Poonkody, A.Sivarani, B.Bhuvanewari, E.Sundharavalli	Microsoft Azure AI Fundamentals	ICT Academy
14-03-2022	18-03-2022	A.Sivarani, Dr.P.Calista Bebe	Curriculum Design And Development	Dr.MGR Educational and Research Institute
28-03-2022	01-04-2022	Dr.P.Calista Bebe, K.Maheshwari, Dr.R.Alarmelu Mangai, I.Poonkody, R.Kala, Dr.T.Nathiya	Research Methodology & Data Analysis	St.Joseph's College (Arts and Science)
29-04-2022	29-04-2022	Dr.S.Elavarasi	Importance of Accademic and Administrative Audits to improve the quality of HEIs	Madras Christian college

STUDENTS ACHIEVEMENT

❖ Students of our college have been actively participated in various intercollegiate technical, cultural and sports events, bagged prizes during 2021-2022.

- ☞ Nivya Shree from I B.C.A have won First Prize in Poster making at Sri Kanyaka Parameswari Arts and Science College for Women, held on 11th November 2021.
- ☞ Jithin Murali.M from III B.Sc (CS) have won Second Prize in Program hunt at K.C.S. Kasi Nadar College of Arts and Science, held on 12th November 2021.
- ☞ Anitha.C from II B.C.A have won First Prize in Curio at Anna Adarsh College for Women, held on 10th December 2021.
- ☞ Vasunthra.P from III B.Sc (CS) have won First Prize in Memorialize at New Prince Shri Bhavani Engineering College, held on 10th December 2021.

- ☞ Mohan Raj from III B.C.A have won Second Prize in Photography at Shrimathi Devkunvar Nanalal Bhatt Vaishnav College For Women, held on 30th April 2022.
- ☞ Nadhini.R from I B.C.A have won First Prize in Canvas at Agurchand Manmull Jain College, held on 10th May 2022.



PLACEMENT AND TRAINING

❖ PLACEMENT CELL and ICT ACADEMY instigated very conversant virtual power seminar for the second and final year students in view of “CHASING THE DREAM” on 20.01.2022

❖ A tiresome new thing always provides new learning for everyone. We have initiated very conversant virtual power seminar for the final year students in view of “EFFECTIVE UTILIZATION OF COLLEGE LIFE “.Mr. SONY THOMAS, FOUNDER OF CELEBRAING LIFE from Bangalore. He gave practical facts on the topic which was scheduled on 27.01.2022.

❖ We have co-ordinated with Face academy and conducted 5 days online APTITUDE training Programme from 04.04.2022 to 09.04.2022 for second year students who are going to attend the campus drive.

❖ The important companies that visited the campus this year include Infosys Ltd, Wipro, TCS, ZOHO, Sutherland, and L& T INFOTECH and so on. So far, 109 students from Computer Science Department have been placed this academic year.