



PSGR Krishnammal College for Women



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DBT STAR STATUS

Newsletter - 2021



Department of Computer Science

Department of Information Technology

Department of Computer Applications

Volume II Issue 4

MESSAGE



It's a matter of pride for the departments of Computer Science, Information Technology and Computer Applications for being elevated to star status in the academic year 2019 - 2020. This news letter will serve as a window through which the training and wide exposure to the state-of-art practices carried out by the three departments to promote the interdisciplinary concept bioinformatics can be viewed. My Best wishes to all the faculty members to achieve success in all their future endeavors.

Dr. R. Nandini
Chairperson



I am pleased to know that the Department of Computer Science, Information Technology and Computer Applications had come out with a newsletter. The newsletter showcases the pool of activities organized by the departments to promote interdisciplinary research under DBT Star Status. I extend my hearty congratulations to the faculty members and students from the departments of Computer Science, Information Technology and Computer Applications for conducting interdisciplinary workshops, seminars and taking up projects in the field of computational biology which will eventually broaden up their horizon of knowledge.

Dr. N. Yesodha Devi
Secretary



I am happy to find that the newsletter, prepared by the departments of Computer Science, Information Technology and Computer Applications carries the news of various activities organized by these departments under DBT Star Status. This newsletter provides a platform to showcase the events such as mentor meetings, workshops, guest lectures and industrial visits are been organized to promote interdisciplinary knowledge in Bioinformatics. This newsletter highlights the efforts taken by the faculty members and students to enrich the knowledge in computation technologies and tools. I congratulate the entire faculty team of all the three departments for their active involvement on planning, execution of events and bringing out this newsletter on the various activities carried out by them under this scheme.

Dr. S. Nirmala
Principal

ABOUT DBT STAR COLLEGE SCHEME

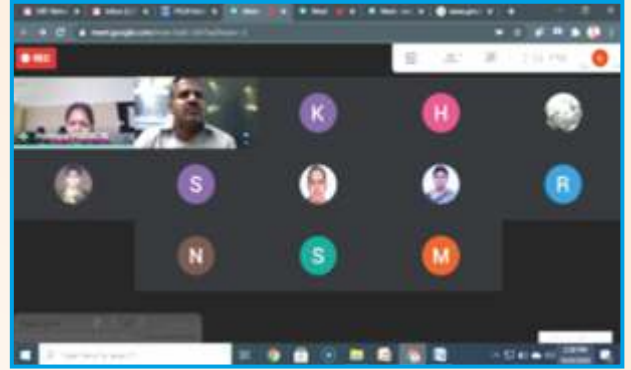
STAR COLLEGE SCHEME has been initiated by Department of Biotechnology, New Delhi, to support colleges and university departments offering undergraduate education to improve science teaching. The departments of Computer Science, Information Technology and Computer Applications of our institution has been included in this scheme during the academic year 2016 -2017 and has been elevated to DBT Star Status in the academic year 2019 - 2020.

Under this Scheme, the curriculum has been updated with the interdisciplinary topics of Bio informatics, Bio-Computational methods, Bio-Perl for the students of B. Sc. Computer Science, B.Sc. Information Technology and BCA respectively. To enhance interdisciplinary knowledge among students and faculty members, the departments organized various Guest lectures, Workshops, Faculty Development Programmes in topics related to Computational Biology, Biopython and BioPerl. Under this scheme, the students were given opportunity to do internship and projects of inter disciplinary nature. This enhanced the technical skills of our students to process biological data and improved the placement opportunities in research laboratories.



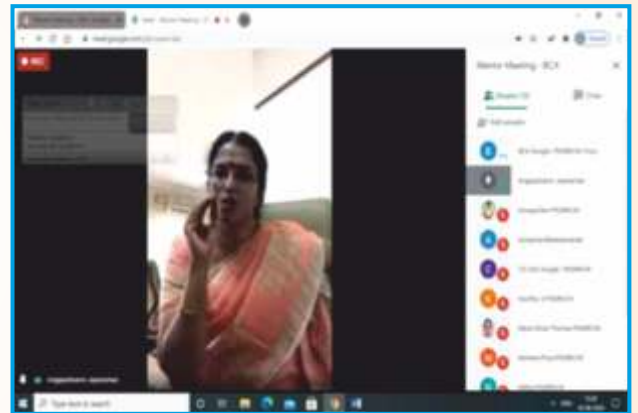
MENTOR MEETING

Dr. J. Sridhar, UGC-Commonwealth Doctoral Fellow-UK, Assistant Professor, Department of Biotechnology (DDE), Madurai Kamaraj University, Madurai, mentor for the department of computer science. He gave suggestions towards students projects, resource person for organizing events and industrial visits during the mentor meeting organized by the department of Computer science.



Dr. Selvi Subramanian, Professor, Department of Biotechnology, PSG College of Technology is the mentor for the department of Information Technology. She discussed about the recent technologies like Bioinformatics in AI & BigData, internships and projects.

Mentor meeting was organized by the Department of Computer Applications Dr. J. Angarikanni, Associate Professor & Head, Department of Microbial Biotechnology, Bharathiar University, Coimbatore has shared her ideas and views on Bioinformatics research challenges, projects, workshops, tools & technologies and Industrial Visit.

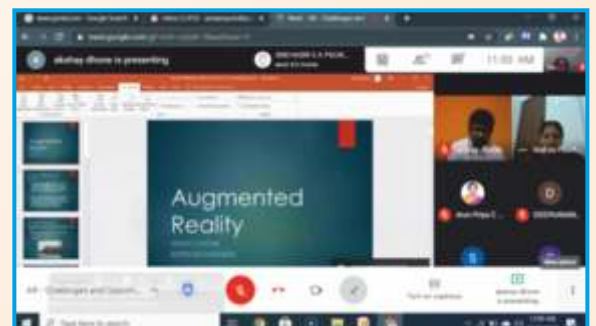


GUEST LECTURES



The department of Computer Science organized a guest lecture on Bioinformatics based Interdisciplinary Projects. Dr. Modhumita Dasgupta, Scientist G, Plant Biotechnology and Cytogenetics Division, IFGTB, Coimbatore delivered a lecture to a total of on 12 faculty members and 120 students. The students gained various project ideas in the field of bioinformatics.

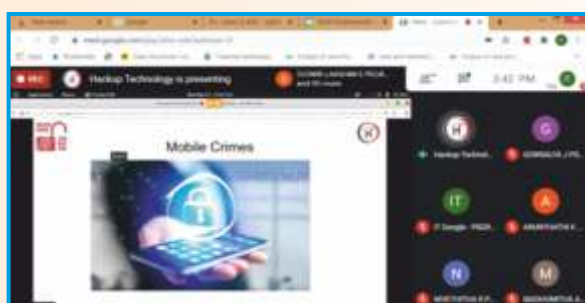
Guest lecture on Augmented Reality - Challenges and Opportunities was organized by the department of Computer Science. Mr. Akshay U Dhone, Android Developer, Innovative Plans, Mumbai delivered the lecture to 112 students and 11 faculty members. The students gained ideas on the requirements and necessary for setting an augmented reality environment in the current scenario





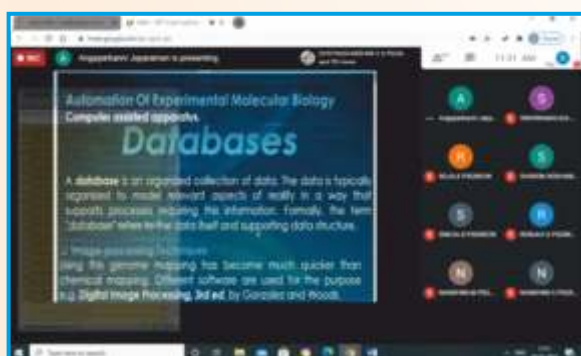
Mr. H. Theivaprakasham, Co-founder, The Nature and Butterfly Society, Coimbatore delivered an interdepartmental guest lecture on Applications of Artificial Intelligence- Butterfly Classification organized by the department of Computer Science. A total of 10 faculty members and 60 students from various science departments were benefited. This lecture created awareness on various Machine learning algorithms to process the biological data.

The department of Computer Science organized a guest lecture on Application of UI Path and Vuforia was delivered by Mr. Akshay U Dhone, Android Developer, Innovative Plans, Mumbai. A total of 12 faculty members and 146 students were benefited. The session created awareness among the students to create database and augmented reality environment using Unity and Vuforia.



The department of Information Technology organized a guest lecture on Roles of Cyber Security in Health Care. Mr. Dinesh Paranthagan, Founder & CEO, Hackup Technology PVT Ltd, Coimbatore addressed a total of 101 students and 4 faculty members. The students gained awareness on cyber crimes and also the importance of cyber security in the health sector.

Dr. Aneesh Nair, Scientist & Head, Biozone Research Technologies Pvt Ltd, Chennai delivered a guest lecture on Structural Analysis of Covid 19 organized by the department of Information Technology. Around 88 students and 10 faculty members were benefited. He depicted clearly about the structure of covid 19 and also the prevention of diseases.



Guest Lecture on the topic Nanotechnology handled by Dr. J. Angarikanni, Associate Professor & Head, Department of Microbial Biotechnology, Bharathiar University, Coimbatore organized by the Department of Computer Application. Around 9 faculty members and 320 students were benefited.

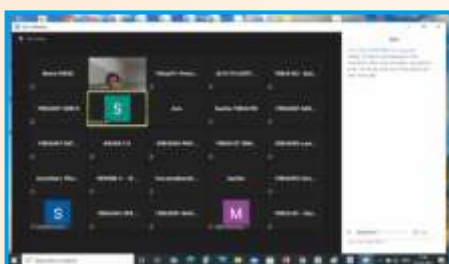
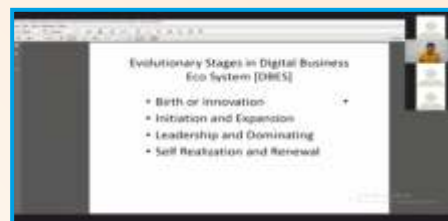
Guest Lecture on the topic Next Generation Sequencing handled by Dr. R. Subash Kumar, Assistant Professor, Department of Biotechnology, Ramakrishna College of Arts & science, Coimbatore organized by the Department of Computer Application. Around 9 faculty members and 320 students were benefited.





Lecture on Technology Trends in 2021 was delivered by Mr. Philip Clements Samuelraj, CEO, Techjays, USA on 18.03.2021. 150 Students got benefited.

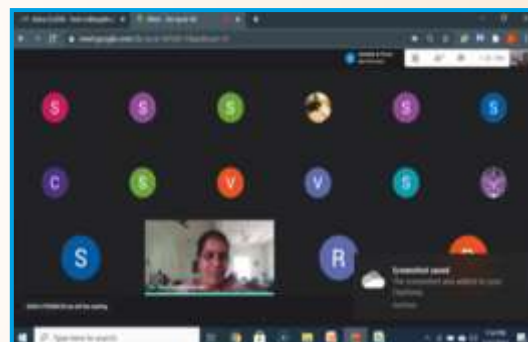
Lecture on Impact of Digital Business Eco System on Young Minds, was delivered by Dr. R. Shiva Shankar, Lecture, International College of Digital Innovation, Chiang Mai University, Thailand on 19.03.2021. Around 150 students got benefited.



Lecture on Accelerators / Incubation – Opportunities for Students and Faculties – Early Stage Entrepreneurs, was delivered by Dr. Lakshmi Meera, AVP & Head – Forge Academy, Coimbatore on 29.03.2021. Around 100 students got benefited.

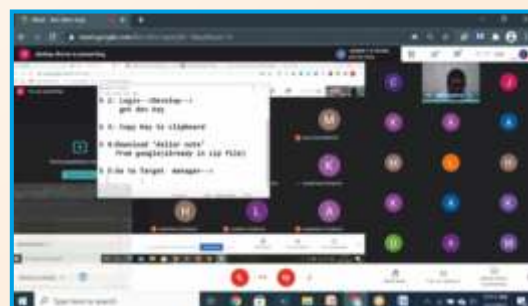
WORKSHOPS

The department of computer science organized a workshop on Computational Biology Dr. S. Shiva Shankari, Assistant Professor, Department of Bio-Informatics, Nirmala College for Women, Coimbatore was the resource person. A total of 112 students from II B.Sc. Computer science of our college were benefited. She shared her expertise on computational methods, tools and algorithms employed for Biological data.



Inter departmental workshop on Cheminformatics Tools was conducted by Dr. P. Lalitha, Associate Professor, Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education, Coimbatore organized by the department of Computer Science. A total of 60 students from various science departments of our collegewere benefited. She created awareness on the importance of computational chemistry and the necessity to know the property, structure and reactions of a chemical compound during drug discovery using Insilco approach.

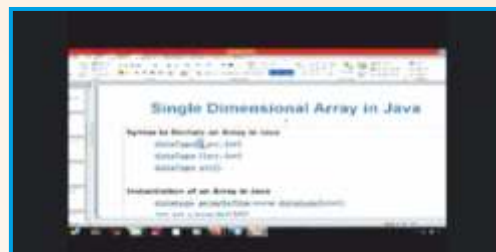
Workshop on Augmented Reality - Bringing world into Class Room was organized by the department of computer science. Mr. Akshay U Dhone, Android Developer, Innovative Plans, Mumbai was the resource person. He shared his expertise on applying AR to real world projects. Around 118 students from III B.Sc. Computer Science got benefited.





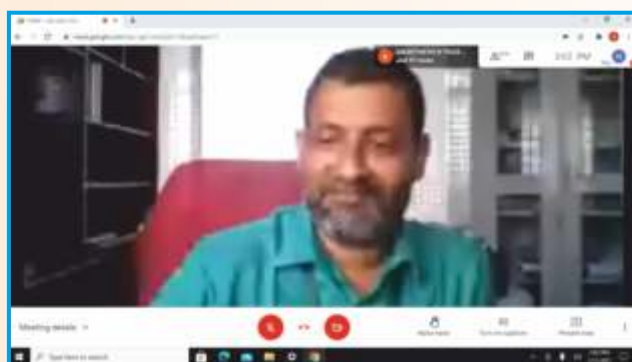
Python Programming workshop was organized by the department of Computer Science. Mr. Visak Raj, Developer, Litz Tech India Pvt. Ltd, Coimbatore demonstrated the basics of python programming and packages used to process biological data. Around 112 students of II B.Sc. Computer Science got benefited.

Workshop on Java Programming was conducted by Mr. SathishRagul, Developer, Seattle Technology, Coimbatore, organized by the department of Computer Science. Around 118 students of I B.Sc. Computer Science got benefited. He shared his knowledge to solve real word problems using Java programming language.



The department of information technology organized an interdepartmental workshop on AR/VR technology and platforms. Mr. K. Ganeshmoorthi, 3D Visualizer, Accent Technosoft, Coimbatore demonstrated the basics of Augmented Reality / Virtual Reality technology and platforms. Around 50 students from various science departments of our college were benefitted.

Workshop on Protein Structure Visualization using Virtual Reality was organized by department of information technology. Dr. R. Rangunathan, Director, Centre for Bioscience and Nanoscience Research, Coimbatore was the resource person and 91 students were benefitted. The participants were demonstrated with protein structure using VR.

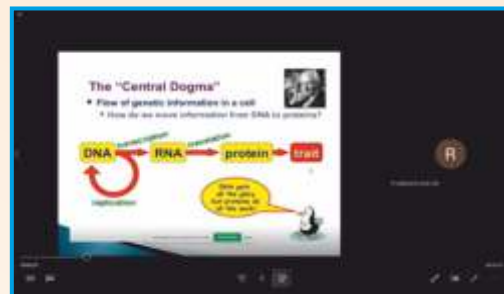


Dr. R. Rangunathan, Director, Centre for Bioscience and Nanoscience Research, Coimbatore handled the sessions for the workshop on BioPython conducted by the department of information technology. He demonstrated BioPython Programming to improve practical oriented skills with biological data. Around 100 students and 4 faculty members of information technology were benefitted.

Workshop on Internet of Things (IoT) was organized by the department of information Technology. Mrs. MayukhaSelvaraj, CEO, MaylancerTechios Pvt. Ltd, Coimbatore was the Resource person 117 students and 8 faculty members were benefitted. The participants were demonstrated with the real-time implementation of IoT products with Arduino and Raspberry Pi.

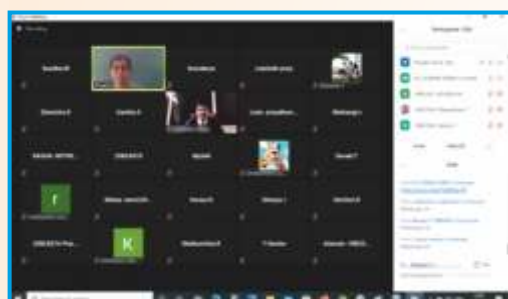


Workshop on BioInformatic Analysis of Next Generation Sequencing Data was conducted by Dr. R. Subhashini, Assistant Professor, Department of Bioinformatics, Dr. G. R. Damodaran College of Science, Coimbatore, from 21.01.2021 to 23.01.2021. 90 Students and 2 faculty members were benefited.



Workshop on Basics of Next Generation Sequencing was conducted by Dr. S.Divya, Post Doctorate Research Fellow, Department of Biotechnology, Bharathiar University, Coimbatore, from 27.01.2021 to 29.01.2021 organized by the Department of Computer Application. 90 students and 2 faculty members were benefited.

Departmental Workshop on R Programming for Bioinformatics was conducted by Dr. K. Chandra, Associate Professor, Department of Computer Science, Christ (Deemed to be university), Bangalore on 27.02.2021. 75 Students and 2 faculty members were benefited.



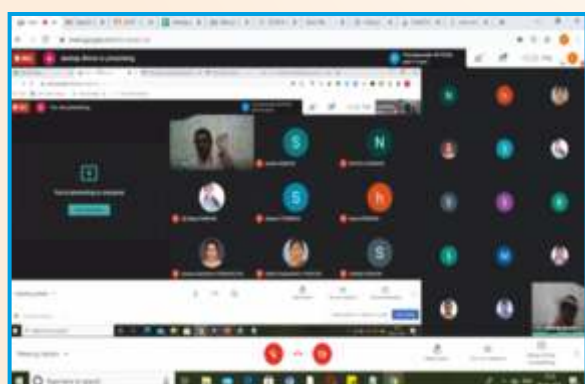
Workshop on Intellectual Property Rights and IP Management Startups was conducted by Dr. Rene Robin, Professor & Dean, Sai Ram Group of Institutions, Chennai on 27.03.2021. Around 150 students were benefited.

Workshop on AR/ VR, was conducted by Mr. Ganesh, Accentz Techno Soft, Coimbatore on 26.03.2021 to 31.03.2021. 60 students were benefited.



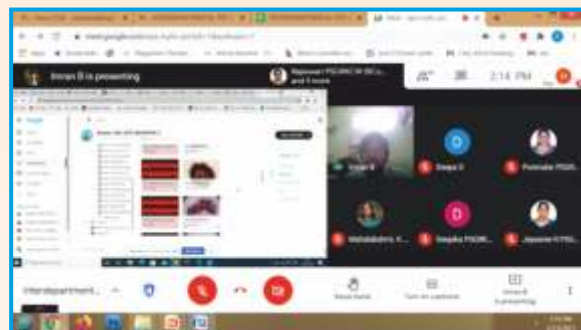
Interdepartmental Workshop on App Development was conducted by Dr. Bright Gee Vargees, Assistant Professor, Department of Computer Science, Karunya University, Coimbatore, on 11.02.2021. 85 students were benefited.

FACULTY DEVELOPMENT PROGRAMME



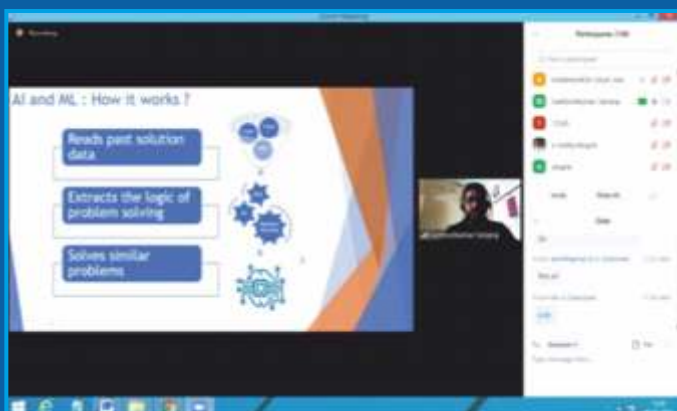
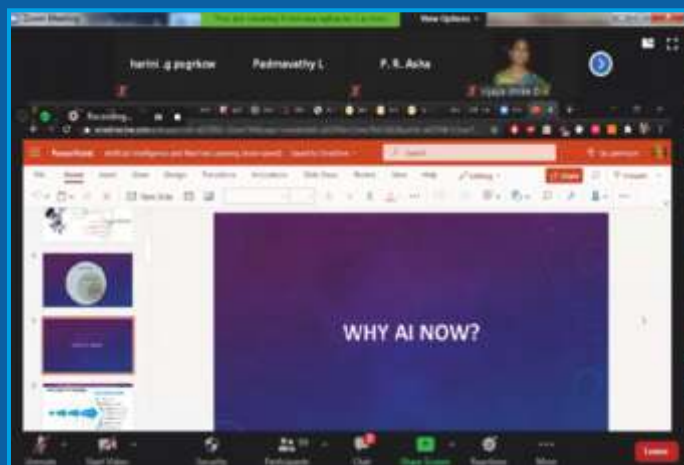
The department of computer science organized a faculty development programme on Augmented Reality for E-Content Development. Around 38 faculty members from various science departments of our college had participated. The session was handled by Mr. Akshay U Dhone, Android Developer, Innovative Plans, Mumbai. The faculty members were exposed to various mobile applications to create innovative e-content for the students.

The department of computer science organized an Interdepartmental faculty development programme on Biomedical Bigdata. The session was handled by Mr. B. Imran, Full Stack Developer, Crayond Digital pvt.ltd, chennai. Around 25 faculty members from various science departments of our college had participated. The faculty members were gained insights to apply machine learning in medical Bigdata.



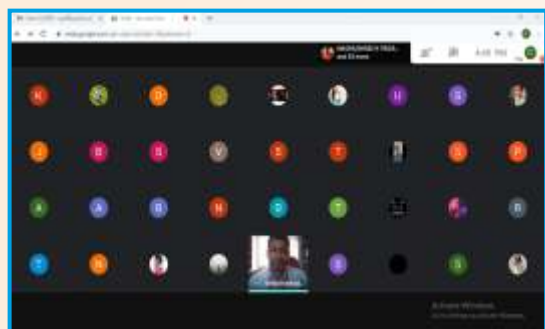
Department of BCA organised an Interdepartmental Faculty Development Programme on Cloud Computing from 08.02.2021 to 09.02.2021. The resource person MuditMathur, Trainer, EICT, IIT Kanpur handled the session. 120 Faculty from various departments got benefited.

The departments of Computer Science, Information Technology and Computer Applications organized an Inter-collegiate Faculty Development Programme on Artificial Intelligence and Machine Learning in Biological Data Analysis under DBT Star College Status. The resource persons were Dr. U. DevaPriyakumar, Center for Computational Natural Science and Bioinformatics, International Institute of Information Technology, Hyderabad, Mr. Santhosh Kumar Selvaraj, Senior Software Engineer, Robert Engineering and Business Solutions, Coimbatore and Mr. S. Srinivasan Raghavan, Head of R & D Department, Smart Ant Technologies Pvt Ltd, Chennai. Around 128 faculty members from various institutions of Tamil Nadu participated in this event. The participants of this programme gained knowledge about the huge amount of genomic data generated and about the diverse facets of computational biology which will enable the participants to take up projects related to analysis of biological data by developing novel algorithms and tools.



ADJUNCT FACULTY

Dr. M. Milner Kumar, Propreitor, BlackBuck Technologies, Chennai served as an adjunct faculty and handled session on the topic Bioinformatics in Python Programming. A total of 112 B.Sc. Computer Science Students and 5 faculty members were benefited. The resource person created awareness on the functions use to analyze biological data using Python.



Dr. R. Ragnathan, Director, Centre for Bioscience and Nanoscience Research, Coimbatore served as an adjunct faculty and handled session on Bioinformatics course. A total of 121 B.Sc. Information Technology Students and 4 faculty members were benefited. The students gained knowledge about Protein Structure basics and prediction in Bioinformatics.

Adjunct Faculty on Bioformatics was delivered by Dr. S.Divya, Post Doctorate Research Fellow, Department of Biotechnology, Bharathiar University, Coimbatore from 10.11.2020 to 26.11.2020. 120 first year students were benefited.

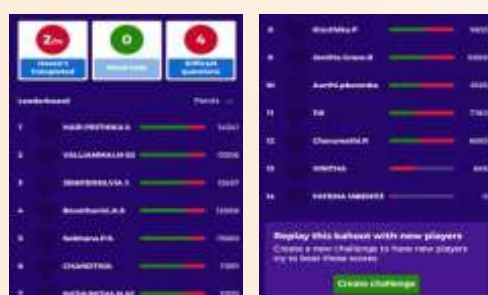


INTERDEPARTMENTAL COMPETITION



Inter departmental Competition TechiTrendz 2021 was organized by the Departments of Computer Science on 05.03.2021. Nearly 269 students of Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science, Information Technology and Computer Applications of our college actively participated in the event Connesione related to the concept biological data processing

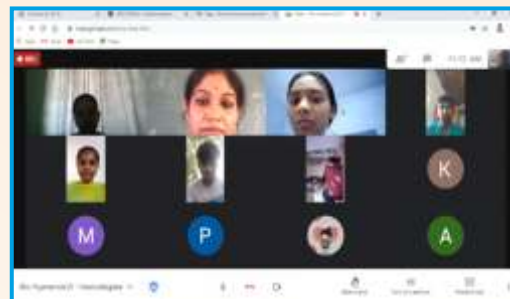
Interdepartmental competition BIOESPARANZA – 2020 was conducted by the Department of Information Technology. Around 70 students of Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science, Information Technology and Computer Applications, Commerce of our college actively participated in the events Rapid fire, connection, Guess a word and Quiz



Inter Departmental Competition Zinesis was organized by the Department of Computer Applications on 26.03.2021. 90 students from Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science, Information Technology and Computer Applications, Commerce of our college actively participated and benefited.

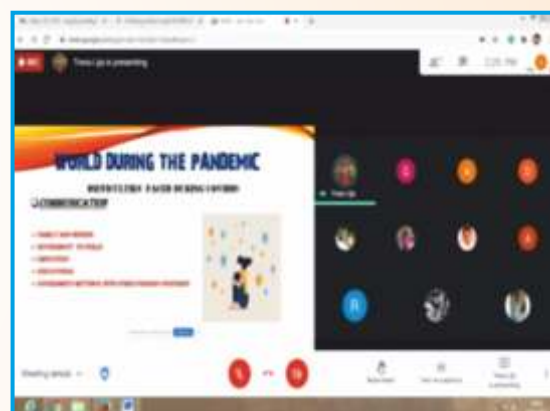
INTERCOLLEGIATE COMPETITION

Inter Collegiate Fete BioHyphenzia'2021 was organized by the Departments of Computer Science on 30.03.2021. Around 38 students from 17 institutions in and around Coimbatore showcased their talents in the event. The first prize was won by Mr. S. Gokul Krishnan, SreeSareswathiThiyagaraja College, Pollachi. The second prize was won by Ms. J. AkshyaVarshini, Muthayammal College of Engineering, Chennai and the third prize was won by Ms. N. Prithiba, Sri GVG Visalakshi College for Women, Udumalpet.



In the intercollegiate Fete BIO-HYPHENZIA '2021, Skills 'n' Thrills event was organized by the Department of Information Technology. Around 90 Students from various institutions actively participated in this competition. The first prize was won by Ms.S. Farin Fathima, PSG College of Arts and science College, Coimbatore. The second prize was won by Ms. K. Monisha s, PSG College of Arts and science College, Coimbatore and the third prize was won by Mr. S. Dhanabakkiya, KG College of Arts and Science, Coimbatore.

Inter Collegiate Fete BioHyphenzia – Tech Intellect was organized by the Department Computer Applications on 11.03.2021 and 12.02.2020. Around 200 students from 15 institutions in and around Coimbatore showcased their talents. The first prize was won by Madhumitha from Kaypeeyes College of Arts And Science, Kotagiri. The second prize was won by Danushiya Keerthana. S Sri Krishna Adithya College of Arts And Science, Coimbatore and the third prize was shared by Nivetha. D KG College of Arts And Science, Coimbatore and Vignesh. S Kaypeeyes College of Arts And Science, Kotagiri.



TRAINING ATTENDED

- * Twelve Students from department of Computer Science, Information Technology and Computer Applications attended National Science Series: Igniting Young Minds conducted by Bhaskaracharya College of Applied Sciences, New Delhi
- * Twelve Students from department of Computer Science, Information Technology and Computer Applications attended the Cyber Safety and Security for Girls and Women conducted by Coimbatore Institute of Technology – Teaching Learning Centre.
- * Twelve Students from department of Computer Science, Information Technology and Computer Applications attended the Short Term Training Programme in Bioinformatics organised by NIELIT, Guwahati.
- * 10 Students of II B. Sc Computer Science attended the workshop Augmented Reality / Virtual Reality Technology and Platforms organised by the department of Information Technology, PSGR Krishnammal College for Women, Coimbatore.
- * 10 Students of II B. Sc Computer Science attended the workshop Android App Development organised by the department of Computer Applications, PSGR Krishnammal College for Women, Coimbatore.

- * Six Faculty members from department of Computer Science, Information Technology and Computer Applications attended the **National Level Hands on Training E-Workshop on use of Animation in creating virtual lab for Bioscience** organised by Atmiya University, Rajkot
- * Three Faculty member attended the faculty development programme on **Deep Learning and Emerging Trends and Research Challenges** organized by the Department of Information Technology, PSG College of Technology, Coimbatore
- * Five Faculty attended the AICTE sponsored one week Short Term Training Programme on **Practical Approaches for Next Generation Sequencing Technologies and Data Analysis towards Health Care** conducted by K.S. Rangasamy College of Technology, Tiruchengode
- * Four Faculty members from department of Computer Science, Information Technology and Computer Applications attended the **Cyber Safety and Security for Girls and Women** conducted by Coimbatore Institute of Technology – Teaching Learning Centre.
- * Five faculty members from the department of Information Technology attended **workshop on Internet of Things** at Twirltact Technology Solutions, Coimbatore .
- * Three faculty members from the department of Computer Science attended the **National Science Series: Igniting Young Minds** conducted by Bhaskaracharya College of Applied Sciences, New Delhi.
- * Two faculty members from the department of Computer Science attended the faculty development programme on **Cloud Computing** organized by the Department of Computer Applications in association with **EICT-IIT-K** at PSGR Krishnammal College for Women, Coimbatore.
- * Four faculty members from the department of Computer Science, Computer Application attended the faculty development programme on **Biomedical Big Data** organized by the Department of Information Technology, PSGR Krishnammal College for Women, Coimbatore.
- * Mrs. T. Saranya attended the two days Faculty Development Program on **“Augmented Reality for E-Content Development”** by Department of Computer Science, PSGR Krishnammal College for Women, Coimbatore.
- * All Faculty members from Computer Application Department attended ten days **“Hands on Training on Python”** at PSGR Krishnammal College for Women, Coimbatore.

PUBLICATIONS

- * Dr. R. Kavitha, Dr. S. Karpagavalli, T. Gopiga, J. Gayathri, Design and Development of Mobile Application for Diabetic Patient Blood Glucose Level Management, Journal of Critical Review, Vol. No: 7; Issue No: 9, July 2020, PP.No: .2284-2289. ISSN: 1598 – 1604- Indexed by Scopus
- * V.E. Chahana, S. Abirami, Dr.S. Karpagavalli and Dr. C. Arunpriya, A Novel QR Code Tagging System for Campus Vegetation to Promote Eco-forestation, Bioremediation and Green Technologies, Springer 1st edition Chapter 22, Feb 2021, PP.No: 319 - 327 ISBN 978-3-030-64122-1. - Indexed by Scopus
- * S. Sowmiya Sri, V. Suji and G. Sophia Reena Microbiome Analysis of Pesticide Contaminated Soils its Impact on the Microbial Isolates, Bioremediation and Green Technologies, Springer 1st edition Chapter 22, Feb 2021, PP.No: ISBN 978-3-030-64122-1. - Indexed by Scopus
- * S. Swathi Priya., C. ShanmugaPriya and J. Maria Shyla, Analysis of Microbial Isolate from Contaminated Street Food with a Potential to Degrade Food Waste, Bioremediation and Green Technologies, Springer 1st edition Chapter 22, Feb 2021, PP.No: ISBN 978-3-030-64122-1. - Indexed by Scopus

- * Afrin, S. Mohanapriya, T.S. Anushya Devi, Genetic Sequencing and Medicinal Analysis on Three Varieties of Ginger Tuber, Journal of Critical Reviews, Vol. No: 7; Issue. No: 10, 2020. ISSN: 2394-5125
- * M. Harshini, Mrs. L. Sheeba, Mrs. M. Selvanayaki, Anticancer Activity of Catharanthus Roseus and Murraya Koenig, Journal of Critical Reviews, Vol. No: 7; Issue. No: 10, 2020. ISSN: 2394 – 5125

Sequence Published In NCBI Database

- * MZ410562 - Serratia sp. strain BCA CBNR 16S ribosomal RNA gene, partial sequence is published
- * MZ057840 - Streptomyces sp. strain CBNRIT 16S ribosomal RNA gene, partial sequence is published

ONLINE COURSES

- * 110 Students had completed more than 10 online courses on disruptive technologies in New India Learnathon 2020 organized by ICT Academy.
- * 116 students of II B.Sc., Computer Science has completed Bio-python and 112 students of I B.Sc. Computer science has completed C++ Programming through Spoken Tutorials, IIT Bombay.
- * 118 Students had completed Web development, SAS Programming and Cyber Security through Coursera online courses.
- * 95 Students had participated in the online Covid '19 Awareness Quiz conducted by Sri Ramakrishna college for Women, Coimbatore.
- * 106 students of II B.Sc., Information Technology has completed Introduction to Computer Science course through Spoken Tutorials, IIT Bombay
- * 63 Students of III B.Sc., Information Technology has completed various online courses through Intershala
- * 94 Students of II B.Sc., Information Technology has completed Enhancing Soft Skills and Personality course through NPTEL
- * 61 Students of I B.Sc., Information Technology has completed Java Programming through SoloLearn
- * 86 Students had participated in the online Covid '19 Awareness Quiz conducted by Sri Ramakrishna college for Women, Coimbatore
- * 95 students of II BCA has completed R Programming course through Spoken Tutorials, IIT Bombay.
- * 40 students of I BCA has completed C++ Programming course through Spoken Tutorials, IIT Bombay
- * 75 Students had participated in the online Covid '19 Awareness Quiz conducted by Sri Ramakrishna college for Women, Coimbatore

INTERNSHIP

Internship help the students to develop and refine their skills in biological data base, tools and technologies of bioinformatics. 14 students of B.Sc. Computer Science, 18 students of Information Technology and 16 students of BCA have undergone training in application areas of bioinformatics.

Few of them are listed below:

- * Agri Product and Sales Management at Kumaran & Co, Coimbatore
- * A Study on Online Database for Forestry Species at PSGR Krishnammal College for Women, Coimbatore
- * A Study on Mobile Application for Analyzing Biological Data at PSGR Krishnammal College for Women, Coimbatore
- * A Study on Online Tools for Phylogenetic Analysis of Biological Data at PSGR Krishnammal College for Women, Coimbatore
- * An Analysis of Whole Genome Sequence of Biological Data at PSGR Krishnammal College for Women, Coimbatore
- * Study of Testing Diabetics at Sulur Laboratories, Coimbatore
- * Utilization pattern of Information and communication Technology Tools For Uzhavan App at TamilNadu Agriculture University, Coimbatore
- * RNA Secondary Structure at Centre for Bioscience and Nanoscience Research, Coimbatore
- * Microbial Whole Genome Sequencing at Centre for Bioscience and Nanoscience Research, Coimbatore
- * Currency Detector for Visually Impaired through Intershala
- * PBC Biliary Cirrhosis Detection in Liver of Humans at BioXplora, Coimbatore
- * To detect lung carcinoma at Accent Techno Soft, Coimbatore
- * Healthcare monitoring using IoT at Twirltact Technology Solutions Pvt Ltd, Coimbatore
- * Bioinformatics in Textile Enzymology at Menaka Textiles, Coimbatore
- * Down Syndrome at Sana Diagnostic Centre, Coimbatore
- * Sickle Cell Anemia at Sana Diagnostic Centre, Coimbatore
- * Protein Sequential Analysis at PSGR Krishnammal College for Women, Coimbatore
- * Detection of Single Nucleotide Polymorphism at PSGR Krishnammal College for Women, Coimbatore
- * Plant and Medicinal Plant Gene Analysis at PSGR Krishnammal College for Women, Coimbatore
- * Cancer Genomics Sequencing at PSGR Krishnammal College for Women, Coimbatore
- * Bioinformatic Tools - Lactococcuslatis strain I 6s ribosomal RNA gene partial sequence
- * Bioinformatic Tools - Mycobacteriumbrisanense strain ZSB I 0 I 6S ribosomal RNA gene, partial sequence
- * Bioinformatic Tools - Bacillus licheniformis strain SS I 6S ribosomal RNA gene

PROJECTS

Projects, prepare students to solve real-world problems. 26 students of B.Sc. Computer Science, 25 students of Information Technology and 11 students of BCA undertook projects in Bioinformatics. Few of them are listed below.

Few of them are listed below:

- * LDTAMIL- Learning app for Dyslexia Children, Cognito Academy, Coimbatore
- * Mathematics Learning app for LD Children, Cognito Academy, Coimbatore
- * Dashboard for Diabetic Patients, Duratech Solutions, Coimbatore
- * LDMATH- Learning app for Dyscalculia Children, Cognito Academy, Coimbatore

- * LDTAMIL- Learning app for Dyscalculia Children, Cognito Academy, Coimbatore
- * IOT Temperature Scan Entry System, Arris Automation and Solutions, Coimbatore
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OUT-REACH ACTIVITY

Community Development program on Smart Farming was organized at Rural Women Techno Park, Pillaiyappan Palayam, Annur. Around 24 farmers, 10 students and 3 faculty were benefitted.

An Extension Activity conducted by Department of BCA - Workshop on "Online Teaching Tools for School Teachers" on 31.10.2020. Around 75 School Teachers got benefitted.



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The departments of Computer Science, Information Technology, Computer Application shared their expertise to the departments under DBT-Star Scheme in V.Vanniaperumal College for Women, Virudhunagar College, Nehru Arts & Science College, Coimbatore, Sree Narayana Guru College, Coimbatore for achieving excellence in teaching and learning to promote science programmes at undergraduate level.



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