

15.07.2022

**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
REPORT ON GUEST LECTURE PROGRAMME**

A one day Special Lecture programme was organised by the Cyber Tech Association, Department of Computer Science, J.J. College of Arts and Science (Autonomous), Pudukkottai on 15.07.2022.

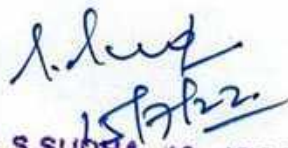
Mr. V.Sethumadhavan, Soft Skill Trainer cum Advocate, Madras High Court, Chennai, gave a Special Lecture on **"Employability Skills for Computer Professionals"**.

In his talk, he explained about what employers want from employees. 1. Soft Skills, 2. Hard Skills. Soft Skill is an ability to interact and Communicate Positively and productively with others. Hard Skills let us get things done. We need both soft and hard skills and also told that attitudes makes all the differences. To get placed, one must have communication skills with computer skills.

He also stressed on the ethics of strong work and the importance of honesty and integrity. He also specified the importance of punctuality and also he told the students to be flexible and adaptable. He also insisted the students to gather knowledge on problem solving skills. Also specified bout interpersonal skills and team work. He listed out the 8employability skills that an employer expects from the employee.

1. Communication 2. Team work 3. Self Management
4. Learning Skills 5. Problem solving skills 6. Technology
7. Planning and Organisation 8. Initiative and Enterprise

S.Pushpadershini, III B.Sc. Computer Science welcomed the gathering and T.Loganathan, proposed the vote of thanks. Master of Ceremony is done by P.Rishivarthini


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26.07.2022

**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
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REPORT ON GUEST LECTURE PROGRAMME**

A one day Special Lecture Programme was organized by the Department of Computer Science (Cyber Tech Association) at 10.30 am on 26.07.2022 (Tuesday).

Dr.P.Arul Assistant Professor Department of Computer science, Govt. Arts College, Tiruverambur, Trichy – 22, was the guest and he delivered a talk on “**Python Programming**”.

He started his talk by briefing out the history of Python and also he specified the use of python in areas like web development, software development, mathematics and system scripting. He insisted the need of Python which works on different platforms like windows, Mac, Linux, Raspberry etc).

He also stated that Python is very easy to use as it is user friendly.

He briefed out on the basic concepts like data types, loops, arrays, lists, tuples, and methods with suitable examples. Advanced concepts like Lambda functions, range functions, file handling were outlined.

He also listed the applications of python such as console applications, web applications and desktop applications, scientific, Data science and Machine learning and AI(Numpy, Panda, MAT plot Lib)

He also insisted the importance of learning python where one can get placed in reputed companies.

Earlier III B.Sc. Computer Science Mr.R.Rahim welcomed the gathering; Mr.N.Panneer Selvam proposed the vote of thanks and Ms.M.Dhanuja done master of ceremony. The arrangements were done by Dr.S.Sudha, Head of the department along with the faculty members.


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02/08/2022

J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
REPORT ON GUEST LECTURE PROGRAMME

A One day Special Lecture was conducted by the Department of Computer Science (Cyber Tech Association), J.J College of Arts & Science (Autonomous) at 10.30 am on 02/08/2022 (Tuesday).

Ms.R.Divya Sopna Assistant professor, Shanmuganathan Engineering College, Arasampatti, Pudukkottai was the guest lecture & delivered a talk on "Future and Trends of Blockchain Technology"

She Started her talk by specifying the Quick facts about Block chain that it will support the global movement and tracking of \$2 trillion of goods and services annually. She also briefed out a prelude for Block chain.

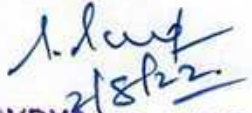
She clearly specified the Block chain spectrum with suitable example. She also elaborated on how many blocks are in a Block chain, how a block is created in Block chain and the main elements of a block in Block chain.

She listed out the applications of Block chain like Bit coin, Digital ID's, voting, healthcare, law enforcement, banking, online music. She also explained about how to time-stamp a digital document and also the step by step working of Block chain.

She also listed out the types of Block chain technology to be as permission-less and permissioned. She pointed out the top certificate courses on Block chain like Block chain technology, Certified Block chain Expert, Certified Block chain security Expert, Block chain specification etc.,

She also insisted the career opportunities in Block chain which comprises Core block chain developer, Block chain Application Developer, Block chain Project Manager and Block chain quality Engineer. She was also clear in specifying the enterprises which are implementing Block chain Technology like tracking, e-commerce, data protection, transportation, health care. Finally she listed out the Block chain frame work and software like Ethereum, IBM Block chain, Big Chain DB and C++, Java, Python respectively.

Earlier S. Devipriya of III B.Sc Computer Science welcomed the gathering, R. Abirami proposed the vote of thanks, M.Dhanuja did Master of Ceremony, Dr. S.Sudha Vice principal and Head of the Department introduced the guest and the arrangements were made by the faculty members of the Department.


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03.08.2022

**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
REPORT ON GUEST LECTURE PROGRAMME**

A special lecture on “Web Development – An Insight” was organized by the Cyber Tech Association of PG and Research Department Computer Science on 03.08.2022, Dr.Ramah Sivakumar, Assistant Professor, Department of Computer Science, Bishop Heber College (Autonomous) Trichy shared great ideas about the latest applications for web development.

She explained the historical development of web technologies and inspired the crowd by saying that the demand for web applications is high today. She offered ideas on how to use Internet technology to improve industries such as business, social identity building, health, transportation, information technology and entertainment.

Also she added flavours by citing the viability of web technology in entertainment industries. She incorporated her ideas on web technology like types of web technologies, languages used for front end, back end design, need of back end in websites, front end and back end display and full stack Web development.

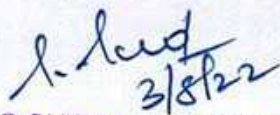
It was compelling when she gave tips on maximizing return on investment (ROI) in the web technology industry. She listed various application areas of web technology such as education, hotel management, tourism, construction and real estate, entertainment. She impressed the students by teaching them the skills needed for web development.

Also she added the benefits of being a web developer. The interaction with the students in the middle went very well and the students participated enthusiastically.

She explained the problems and challenges in the web development industry and how to tackle them. Students gave positive feedback, they interacted very enthusiastically and clarified all their doubts.

T.Loganathan, III BSc Computer Science gave the Welcome Address and S.Manikandan, III BSc Computer Science gave vote of thanks. The entire program was hosted by R.Rahim of III BSc Computer Science.

At the end the participants asked their questions with interest. The programme organized with the immense cooperation of the departmental staff, was a huge success from the very beginning.


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J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
REPORT ON ONE DAY INTERNATIONAL WORKSHOP ON "ROLE OF YOGA FOR
CAREER AND PROFESSIONAL DEVELOPMENT"

A one day International workshop on "Role of yoga for Career and Professional Development" was organized by the PG and Research Department of Computer Science (CyberTech Association) on 16.08.2022. Dr.DS.Lingham Pillai Acharya, Professor and Former Dean, School of Yoga Sports and Sciences, Genovasi University College, Malaysia, was the resource person.

Dr. S.Sudha, Vice principal and Head, Department of Computer science welcomed the gathering. The management Trustee Dr. Kavitha Subramanian presided over the workshop.

Dr.DS.Lingham Pillai shared his views on YOGA KARMASU KAUSALAM. He also listed the benefits of Gayathri Karanyasa and its various Mudhras. His demonstration about Bhoomi Namaskar and Chandra Namaskar along with the movements of Yogasanas was splendid. He put forth his perspectives on Pranayama - The soul of Yoga.

He contemplated yoga as a tool of physical exercises that deal with physique and mind. He apprehended his thoughts about the connection of yoga with our organ system.

Dr.Lingham Pillai comprehended the benefits of yoga and the psychological effects of doing it regularly. He then moved on to explaining the movements of yogasanas. The resource person then described how yoga protects us from DNA damage due to UV radiation, ionization radiation, air pollution and smoking. The resource person also explained the neuro science behind yoga.

The demonstration with the students in the middle went on very well and students interestingly participated. The students gave positive feedback, they interacted very eagerly and got all their doubts clarified. Dr. J.Parasuraman, the honourable Principal of our College distributed the certificates to the participants. Dr. V. Vani, Assistant Professor, Department of Computer Science delivered the vote of thanks. T.Loganathan and S.Pushadershini of III B.Sc. Computer Science hosted the entire programme. The workshop was arranged by the utmost cooperation of the staff of the Department and at the outset it was a big success.


16/8/22
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**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
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REPORT ON GUEST LECTURE PROGRAMME**

TITLE: Internet of Everything - Bird's eye view

DATE: 17.08.2022

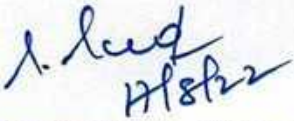
A guest lecture programme on " Internet of Everything - A Bird's eye view " was organized by the Cybertech Association of the PG and Research Department of Computer Science on 17.8.2022. **Dr. A. Padmapriya, Professor, Department of Computer Science, Alagappa University, Karaikudi** was the resource person.

Dr. A. Padmapriya started her talk with inventions of today and its relishing benefits. She listed out various inventions of today's trend. She then went on by explaining the connection between IoT and Machine Learning. She apprehended the types of machine learning such as supervised learning, unsupervised learning and reinforcement learning.

The guest then dropped her outlook on image processing through which she elaborated about digital data. Then she began to show into IoT with many eye catching videos and she explained IoT with its features and latest innovations. A deep knowledge was given on robotics. By the way she described about the technology of Jelly fish and sloth-bot. The guest then explained things on indigestible sensors , bigdata and Content Management Systems (CMS). It was really commendable that concepts were elaborated with videos and colourful demonstrations and the students thoroughly enjoyed learning through the guest lecture.

The programme was organized by Dr. S.Sudha , Vice principal of the college and Head, Department of Computer science. R.Prabhavathi III BSc Computer Science welcomed the gathering and P.Rishivarthini of III BSc ComComputer Science delivered the vote of thanks.

The students gave positive feedback, they interacted very eagerly at the end. The guest lecture was arranged by the utmost cooperation of the staff of the department and at the outset it was a big success.


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REPORT ON SPECIAL LECTURE PROGRAMME**

TITLE: Future Trends in IT and Career planning

DATE: 20.01.2023

A special lecture programme on " **Future Trends in IT and Career planning**" was organized by the Cybertech Association of the PG and Research Department of Computer Science on **20.01.2023**. Mr. Gopinath Mani , Founder , Innovative Software technologies, USA and Mr. Sathyamoorthi Mani, Director, Cognizant Technologies Solutions, Bangalore were the resource persons. The resource persons are the alumni of our college.

Mr. Sathyamoorthi Mani, started his talk by motivating the students to get ready for the job firm. He entailed by telling the additional practices to be followed and gave tips on how to stay focused. Then he just moved the crowd into knowing by elaborating his own experiences. He suggested that a job searcher should possess a good amount of understanding in one programming language, one scripting, one database and one operating system. Many queries were raised in the first session itself that proved the students are interested thoroughly.

The next session was handled by Mr. Gopinath Mani. He encouraged the students by telling how to develop communication skills, how to prepare resume and how to prepare for interviews. He continued by telling the current trends and how to do specialization. By exploring the concepts of Artificial Intelligence and Cloud computing he impressed the students and motivated them to learn.

Principal Dr. J.Parasuraman started the programme with the welcome address and introducing the guests. Dr.S.Rathna Devi, Assistant Professor, Department of Computer Science, delivered vote of thanks. The staff of the department contributed with their presence and support. The student beneficiaries were so enthusiastic to participate and at the outset it was a big success.


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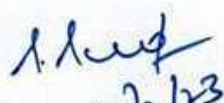
**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
TWO DAY NATIONAL CONFERENCE ON
'NEW HORIZONS IN COMPUTER SCIENCE' -DAY 1**

DATE: 02.02.2023

A two day National Conference on 'New Horizons in Computer Science' is being organized by the Cybertech Association of the PG and Research Department of Computer Science, J.J.College of Arts and Science (Autonomous). On day1, the 2nd February 2023 the conference was inaugurated by Dr. Kavitha Subramanian , the management trustee of Karpaga Vinayaga Educational Institutions. Dr. T.V. Gopal , Professor, Department of Computer Science and Engineering, College of Engineering, Anna University, Chennai and Prof. Zahid Raza, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi were the guests of honor.

The inaugural ceremony started with the thamizh thai vaazhthu. Principal of J.J. College of Arts and Science (Autonomous), Dr.J.Parasuraman welcomed the gathering. Management trustee, Dr. Kavitha Subramanian , gave the Presidential address and motivated the participants and the students. Key note address was given by Prof. T. V. Gopal. A special address was given by Prof. Zahid Raza.

After the inauguration, the first plenary session on the title 'Appropriate Use of Advanced Technologies to Come' started, handled by Dr. T.V. Gopal. He explained the technology grown from stone age till the recent contemporary age. He clarified about the technological advances, how to live in a modern society, the underlying principles of the same and explained how the engineering advancements turned up the society. He then elaborated the programming paradigm in terms of algorithms, data structures, heuristic methods, meanings of science and technology and at last he reached to explain information technology. He concluded his talk by saying information technology can be effectively used by keeping up the moral compass with human sense and common sense.

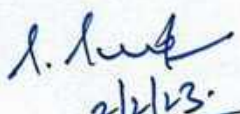

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In plenary session II Prof. Zahid Raza gave his speech on Computing Paradigm: Buildup, Cloud and beyond. He elucidated the need for computing by saying the process of computing, the essentials of computing. He then headed to the concepts of multi processing, multiple computing, cluster computing. He then elaborated about cloud computing and its various strategies like private cloud, public cloud, community cloud by comparing it with the emerging trend grid computing. He enlightened the audience by portraying relevant images in real world. He then explicated the concepts of IoT and its applications. He concluded his talk by connecting computing and economics today.

Participants from various colleges presented their research papers in parallel sessions. Dr.S.Sudha, Vice principal and Head, PG and Research Department of Computer Science proposed vote of thanks. The staff of the department contributed with their presence and support. There was a tremendous response from the participants in and around the college.


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**J.J. COLLEGE OF ARTS AND SCIENCE (Autonomous), PUDUKKOTTAI,
PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE
TWO DAY NATIONAL CONFERENCE ON**

' NEW HORIZONS IN COMPUTER SCIENCE ' -DAY 2

DATE: 03.02.2023

The second day of the two day National Conference on 'New Horizons in Computer Science' started with the plenary lecture of Dr. P.V.S.S.R. Chandra Mouli , Associate professor and Head , Department of Computer Science, Central University of Tamilnadu, Thiruvavur. He talked on 'Overview of Machine learning Algorithms and Current Research Directions'. He elaborated all new research trends in the field of machine learning by enlisting and explaining concepts like Automating the automation, automatic programming by computers, creating software with recent problems and problem solving algorithms.

Following the plenary session the participants from various colleges presented their papers on the research areas Web Mining, Big data, Networks security, Image Processing , Pattern Recognition and the others. The research pursuers asked their doubts and got them clarified.

The next plenary session was handled by Dr.R.Ragupathy, Associate Professor, Department of Computer Science and Engineering, Annamalai University, Chidambaram on the title ' Current Technologies, Challenges and Future Research Directions of Bigdata'. He described about Data mining, Data Visualization and Data Analytics. He added that doing research in Bigdata is challenging as it is hard, rarely scalable, hard to achieve quality and security and cost management is tough. He entailed by saying Advancing AI and Machine learning, Improving data privacy and security, Developing new tools and infrastructures, Enhancing scalability and efficiency, Creating new applications for Bigdata and Developing real time streaming are some of the futuristic research trends of Bigdata. He concluded his session by mentioning the applicational areas of big data and he encouraged the participants to pursue research in bigdata.

In the valediction ceremony of the two day National conference, Ms.M.Jothi , Assistant Professor, PG and Research Department of Computer Science, welcomed the gathering. Certificates for the participants were distributed by the guest Dr. R.Ragupathy.



The cash award for the best paper was given to the presenter G. Sushmitha Sekar from Govt. Arts College for Women (Autonomous), Pudukkottai. Dr.V. Vani, Assistant Professor, PG and Research Department of Computer Science proposed vote of thanks. At the outset the two day National conference was a huge success with the utmost cooperation of the faculty and the students of the department.

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3/2/2023
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G.D.
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