PATRICIAN COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Department Activities for the Academic Year : June 2019 - May 2020

SEMINAR: AWARENESS PROGRAMME - IOT TRAINING

As an initiation for the Association Activities, the Department conducted an awareness program for the students, to make them know about the importance of IoT on 2nd July 2019. Resource people from Providers Skill Academy Pvt. Ltd., Chennai, headed by the in-charge Mrs.Leena S, emphasized on the vision "make machines smart enough to reduce human labour to nil". It was an interactive session and they discussed about the pros and cons of the technology. Some real time applications such as smart homes, wearables and smart cities and a lot more were presented to the students. Around 150 students from BSC (CS) & BCA benefitted from this program.

Resource person from Providers Skill Academy Pvt. Ltd. addressing the students

ALUMNI INTERFACE PROGRAM - I: PUTTING YOUR BEST FOOT FORWARD: A GOOD START TO A SUCCESSFUL SOFTWARE CAREER.

The Department as a part of alumni interface program arranged a career orientation program for the 2nd and 3rd year students from both shift I & II. Our department alumni, Mr.Samuel Simeon, batch 2005-2008 discussed on various career opportunities related to the field of computer science.

Mr.Samuel Simeon, Alumni addressing the students

Tips were given on how to tackle various rounds of an interview session. The resource person guided the students to make the right career choices. Around 100 students from the department got benefited. At the end of the session the resource person discussed on placements and internships given to students.

STATE LEVEL WORKSHOP AND CHAMPIONSHIP ON ROBOTICS ASSOCIATED WITH FEST SHAASTRA - IIT MADRAS EVENT

The department held two-day hands on workshop for the students of B.Sc. computer science and BCA on 6th& 7th August, 2019. Around 45 Students participated in the workshop from both the shifts. This workshop instilled the interest and enthusiasm among the students.Robotic kits were given to students to implement the topics taught during the 2-day session.

Students creating a Robotic Model with the Kit given

INTER-DEPARTMENTAL EVENTS – HARDWARE EXPO "TECHOTRONICS'19"

On 8th August 2019, a Technical and Electrified Event - *ishow*'19 was organized by the department. The main motto of conducting the Hardware Expo is designing and building a product, computer program, app, or robot to address a specific need, such as assisting the disabled. Students from both shift I & II participated enthusiastically with creative working models which exposed their talents. Resource Person and Judge for the event was L.Annie Isabella, Assistant Professor, R.M.K Engineering College. Some of the projects done by the students are Mobile Phone Detector, Smart Dustbin, Hand Gesture Car and Portable AC. Certificates were distributed to the winners.

Students from II & I years showcasing their project models

iShow '19 - INTERSCHOOL MEET - A TECHNICAL HARDWARE EXHIBITION CUM COMPETITION

On 27/ 08/2019, a Technical and Electrified *ishow'*19, Innovative Showcase, was organized by the Department to showcase the talents between school students. It is an inter-school student meet. Chief Guest & Judge of the program was Mr.A.H.Vengadavalavan, Proprietor, Sabisu, Chennai.

Students from St.Michael's Academy exhibited the Arduino Project – Smart Dustbin

After giving a motivational talk, the resource person reviewed the projects and declared the winners and runners. Also he gave some tips in advancing the project to the next-level generation.

Students from various schools exhibiting their project models

Models such as Smart Dustbin, Automotive Crack Detection for Railway Track Using Ultrasonic Sensors, Room Heater, Taser band, etc.

Students were awarded with medals and certificates and the Book 'Nalai Namade' authored by our Brother Johnson Rex Dhanapal was gifted to all the teams.

INDUSTRIAL VISIT – I BSC COMPUTER SCIENCE

As part of the curriculum the first year students of Computer Science Department were taken on an Industrial visit to **GEMICATES** in Ashok Nagar**,** 49 students with the class teacher Mr. John Vaseekaran, Asst. Professor, Dept. of Computer Science accompanied them. **Miss. Deepa Lakshmi, The Business Development Head** started with the introduction about the company such as the basic electronics. She gave a detailed explanation about the technology that is currently used called as the **Z-WAVE** technology.

She also explained about the **IOT (Internet of Things)** implementation, the market analysis (the current trend) and the future trends such as **Green City / Smart City.** She gave an insight into the PCB (**Printed Circuit Board)** design tools such as orcad, allegro and altium. She also explained about the board manufacturing done by the company.

Miss. Deepa Lakshmi explaining about the IOT to the Students, Mr. Vara Prasad giving a demo about the Hagway hardware

INDUSTRIAL VISIT – II BSC COMPUTER SCIENCE

The Department of Computer Science had organized an Industrial Visit to **Flex India Private Limited, Sriperumbur,** a Private Non-Government company, on **28th February, 2020** for II BSC CS students accompanied by the class Teacher Mrs. Frizilin.R, Associate Professor, Department of Computer Science. The company manufactures Electrical Equipment's namely memory chips, IC's, Capacitors, RAM, ROM, LED's etc. The motive of this visit for the students is to gain a brief knowledge about the making of electronics equipments. The students visited various units such as Surface Mount Technology unit, testing unit, fixation of chip unit, debugging unit, etc.

II BSC CS students at Flex India Private Limited, Sriperumbur

ALUMNI-INTERFACE PROGRAM - II: Expectations and Reality

Our department alumni Mr.Sriram.P and Mr.Bharath Kumar.R, from batch 2016 – 2019, conducted an alumni interface program on 1st Oct, 2019.

The session was about difficulties in facing an interview and how to overcome them. Students were advised to take online courses from different sources to improve their knowledge on the vast field of computer coding. The Resource persons told the students about the frequently asked questions in interviews and suggested them how to answer them. Students raised different queries about their difficulties in facing interview and asked for suggestions.

Mr.Sriram, Mr.Bharath Kumar, alumni interacting with the students

INTRA-DEPARTMENTAL EVENTS – SOFTWARE EXPO 'Kodezone '19'

On 3rd Oct, 2019 Inter-departmental Event named 'Kodezone '19'was conducted. Around 40 students participated from the department. Ms.Sathyageetha.S, Assistant Professor, Department of Computer Applications, St.Louis College for the Deaf, Chennai was the judge and Resource person for the program. Students were given opportunities to expose their programming skills. Demo on various projects were given by students and the session was interactive. Students were awarded at the end of the session.

Students from the department presenting demo on their projects

ALUMNI- INTERFACE PROGRAM - III: Training Program in 'STEP ON network-King'

Another alumni interface program was conducted by our alumni Mr.Vignesh, batch 2015-2018, for three days on 4th, 9th and 10th Oct, 2019. The session was about the training program on Network links, nodes and communication protocols. The session was interactive and informative to the students. Around 60 students from the department were benefitted. At the end of the training, a Questionnaire was given to students and they were asked to give the feedback about the session.

Alumni Mr.Vignesh interacting with the students in the training program

GUEST LECTURE & MoU SIGNED: IoT Focusing on Home Automation

A Guest Lecture 'IoT focusing on Home Automation' was conducted by the department on 9th October 2019. The resource person for the program is Mr. Mr.Vijayaraja Rathinasamy, Founder & CEO, Gemicates Technologies Pvt. Ltd. He gave a lecture on home automation. Home automation is a modern technology that modifies your home to perform different sets of task automatically.

He also added that the first and most obvious advantage of Smart Homes is comfort and convenience, as more gadgets can deal with more operations (lighting, temperature, and so on) which in turn frees up the resident to perform other tasks. The session was very informative and around 60 students participated from the department. At the end of the session, a MoU was signed with Gemicates Technologies.

Resource person addressing the students, MoU signed between Gemicates and the college

BYTESTREET - Release of Newsletter, 9th Edition.

Department of computer science feels proud to release the Newsletter 'ByteStreet', 9th Issue on 9th October 2019.

Newsletter released by the chief guest Mr.Vijayaraja, Dr.Fatima Vasanth, Academic Director and Dr.Usha George, Principal

INTRA-DEPARTMENTAL EVENTS – EXPOSITION '19'

As a part of Association activities the department conducted the Intra Departmental event, Paper Presentation - EXPOSITION '19 on 6th December 2019. Students from I BSC Computer Science participated and presented the topics on Animation and VFX, Cloud Computing, Robotics, 5G, AJAX, Cyber Crime, 4D Visualization and Hacking. Students are been awarded with certificates and prizes by the chief and Judge Mr.Sasidhar Rao, Assistant Professor, Vivekananda College, Chennai.

Students presenting their presentations on various technical topics

SKILL DEVELOPMENT CERTIFICATE COURSE - ARTIFICIAL INTELLIGENCE WITH MACHINE LEARNING

Skills and knowledge are the driving forces of growth and development in any field of specialization. With a goal to create opportunities, space and scope for the development of the talents of our students and to enhance their technical expertise, our department focuses on Skill Development as one of its pillars by organizing a 45hour certificate course on Artificial Intelligence with Machine Learning through Xecutesmart Technologies, Chennai from 7th December to 8th Feb 2020 benefitting, 95 students from the department.

Resource Person Mr.Sudhakaran Suruliraj, Proprietor, Xecutesmart Technologies, Chennai lecturing on certificate course

INTERCOLLEGIATE TECHNICAL EXHIBIT - TECHNOBAY – 2020

In the recent times, to engage students and prepare them for the real world and encourage students to participate and showcase their talent, department organized intercollegiate Technical exhibit on 25th Feb 2020. The resource persons for inauguration and valediction are Mr.Chandrasekaran A, CEO, Infocareer Pvt. Ltd., Chennai and Sri Ramadoss M, Founder, Amachu Open Source IT, Infrastructure & Application service Provider, Chennai. Around 28 colleges responded with more than 25 teams' participation in various events. Students put in their best efforts to make the event exciting and successful. Various Events were conducted such as Connexions, Quiz, Treasure Hunt, Adzap, Photography, Face Painting, Gaming and Green Screen.

The Resource person shared an erudite discussion about our current technology system. After giving a speech, he encouraged our students towards the accomplishment of their goals in an elegant way. Also, as a judge, we invited Varshini Ramu, Anchor, dancer, News reader in Thandhi TV for the event Adzap and Mr.Vinoth Kanna, Alumni, Batch 2012 – 2015, for the event Photography. Both of them did a great work in judging the participants with their abilities to perform and execute a tremendous act of virtuosity.

Students from various colleges being awarded by the resource person Mr. Sri Ramadoss M, Founder, Amachu Open Source IT, Chennai and Dr.Fatima Vasanth, Academic Director

Department feels proud to be responsible for such an efficacious and noteworthy event. Also, would like to convey gratitude to our Management for their timely advice and co-operation for organizing a successful spectacle. Our Students also deserve appreciation for contributing their complete effort and the participants for making TECHNOBAY 2020 a great success.

STUDY TOUR

Educational Tours for students provide them with an opportunity to collaborate with teachers, and integrate new perspectives with informal environments to enhance learning initiatives. Study tour emphasizes experiential learning and offer both group and self-directed activities that enable learners to explore various industries cultures, practices and people. About 42 final year students went for the study tour to Kanthalur-Munnar from 17th Feb to 20th Feb 2020.

Students and Faculty during the study tour

ONLINE WEBINARS

VIRTUAL NATIONAL WORKSHOP - DATA VISUALIZATION USING TABLEAU

A Webinar is a simple web-based interface that allows people to listen to a presenter via webcam and interact by asking questions. It is important to focus on learning new skills during the lockdown. On this basis, our department conducted various virtual webinars. On 13th May 2020, at 11am, a virtual webinar was conducted on the topic 'Data Visualization Using Tableau'. The resource person for the webinar is Dr.Dinesh Babu.R, Managing Director, Brainswig Edutech Pvt. Ltd., Chennai benefitting around 60 Faculty & Students. The mode of platform is GoTo Webinar. E-certificates were forwarded to all the participants.

NATIONAL WEBINAR - ANDRIOD FOR ABSOLUTE BEGINNERS

On 14th May 2020, at 2.30 pm, a virtual national webinar was conducted by the department on the topic 'Andriod for Absolute Beginners'. The resource person for the webinar is G.SriPradha, Tavel Cyber Corps Pvt. Ltd., Chennai. Around 250 Faculty & Research Scholars across India registered for the webinar out of which 112 attended. The mode of platform is GoTo Webinar. E-certificates were forwarded to all the participants.

INTERNATIONAL WEBINAR - PUT YOUR DREAMS TO THE TEST

On 20th May 2020, at 2.00 pm, an International virtual webinar was conducted by the department on the topic 'Put Your Dreams to the Test'. The resource person for the webinar is Emmylou Seaman, Coach, Trainer and Keynote Speaker, The John Maxwell Team, Poland. Around 502 Faculty, Students & Research Scholars within & outside India registered and 280 attended the webinar. The mode of platform for conducting the webinar is Zoom. E-certificates were forwarded to all the participants.

PATRICIAN COLLEGE OF ARTS & SCIENCE

Affiliated to the University of Madras & Accredited 'A' Grade By NAAC
Ranked 1st in TN and 27th among the top 100 Non-autonomous colleges in India.

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Department of Computer Science proudly organises
International Webinar on
Put Your Dreams To The Test
20th May 2020 -Time 2.00 pm
Resource Person:
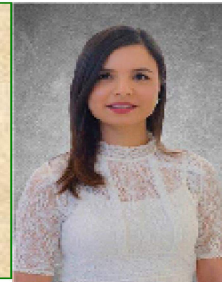
Emmylou Seaman,
Coach, Trainer and Keynote Speaker,
The John Maxwell Team,
Poland.

Register through zoom

ABOUT THE COLLEGE

Patrician College of Arts and Science, established in 2001, is a Christian minority Co-educational self-financing Institution affiliated to the University of Madras. In consonance with the philosophy of Brothers' congregation, the college aims at providing quality education to the youth of today with utmost sincerity. Along with curricular and co-curricular activities, We constantly insist that a sense of social conscience has to be instilled in the minds of students by conducting outreach programs. The college offers 11 UG, 3 PG and 2 Research courses in shift-1 and 7 UG courses in shift-2.

ABOUT THE DEPARTMENT

The Department of Computer Science was established in 2001. Computer science is a fast-moving field that includes the disciplines of Mathematics and Programming. We train students to keep pace with the changes in the developments in all the fields of Computer Technology.

ABOUT THE SPEAKER

Emmylou Seaman, a John Maxwell Certified Coach, Teacher, Trainer and Speaker, offers Workshops, Seminars, Keynote Speaking, and Coaching, aiding personal and professional growth through study and practical application of proven leadership methods. Her passion lies in impacting, empowering and leading you to become the best version of yourself. She works with clients across US, Middle East, Europe, Asia and Africa.

ABOUT THE SESSION

In this session we will learn how to do the things needed to make dream come true. Most people fail to realize their potential because their dream remains hypothetical. To take the dream from ethereal to achievable. One will learn how to crystallize your vision and galvanize your commitment by instructing oneself how to answer 'yes' to questions like: 'Is my dream really my dream?' 'Do I have a strategy to achieve my dream?'

NO REGISTRATION FEES
Reg. Link: https://emmylouseaman.qr8.com

E – CERTIFICATE WILL BE PROVIDED

Mrs. Thasin Fouzia	Dr. Usha George	Dr. Fatima Vasanth	Rev.Bro. Johnson Rex Dhanabal
H.O.D.	Principal	Academic Director	Director & Secretary