ACTIVITY REPORT 2016-2017

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

POWERPOINT PRESENTATION COMPETITION

Date:9th June 2016

In connection with World Environment Day celebrations, the Dept. of Computer Science and Applications conducted a Power Point Presentation Competition on 9th June 2016 at 2.30 pm.The topic of presentation was '**Impact of e-Waste on Ground Water and its Solutions'**.Venue of the competition was Computer Application lab.

Judges:

1. Dr.Dalie Dominic, HOD, Dept. of Zoology

2. Dr.Deepa G Muricken, HOD, Dept.ofBioChemistry

Participants

1. Josna Jose & Anjali C D (III BCA)

2. Fila Jose &Amrutha A P (III BCA)

3. ChandanaNandilath&Swathisma S (II Bcom)

4. Maria Kurian &JeslinJery (III BCA)

5. Adhi Lakshmi&Akhila M G (II Bcom)

6. Vyshnavi T S &Archa P S (II BCA)

First Prize: Adhi Lakshmi&Akhila M G (II Bcom)

Second Prize: Maria Kurian &JeslinJery (III BCA)

Third Prize: ChandanaNandilath&Swathisma S (II Bcom)

Faculty Development Workshop on Android Programming

Date: 23rd & 24th June 2016

The Department of Computer Science and Applications has organized two day faculty development workshop on "**Android Programming**". The programme was on 23rd& 24th June 2016 at Computer Science Lab, St.Mary's College from 9.30 AM to 3.30 PM. Course modules were prepared according to the Calicut University degree syllabus.

The inaugural function started at 9.30 AM with a prayer, followed by welcome speech by Ms. Betsy Chacko, Head of the Department. College Principal **Dr. Sr. Marriette A. Therattil** inaugurated the workshop and felicitated for the same. The function came to an end by 9.50 AM with vote of thanks by Ms.ManasyJayasurya.

The Workshop was handled by Mr.ChithraBhanu&Mr.Titto from iConnut IT Solutions, Thrissur. Faculties from 15 different colleges participated and the list is enclosed.
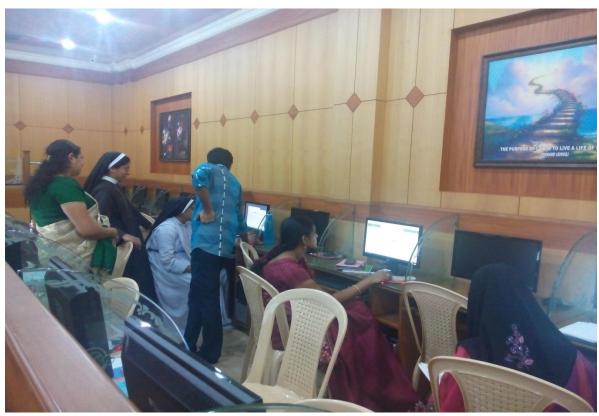
Workshop Schedule:

Day 1:

Introduction to Android, Application Structure-in detail , Emulator-Android Virtual Device , Basic UI design , Android Debug Bridge (adb) tool , Adapters and Widgets

Day 2:

Notifications, Content Providers-DB, SDCARD,ETC , Workshop

REPORT ON GENDER SENSITIZATION PROGRAMME

Date:28ᵗʰJune 2016

The department of computer science and applications along with the women cell,St.Mary's College, Thrissur has conducted a talk on the topic "cyber crime and its impact on youth " on 28ᵗʰ June,2016.The talk was conducted for the mother parents. The venue of the programme was Jubilee hall from 1.00 to 3.00 pm.

The programme started with a prayer. We had the extreme presence of Chief Guest Mr. Roy C George, the district cyber cell SI, Thrissur, our Principal Dr. Sr. Marriette A Therattil, Ms.Dolly Augustine, Women cell co-coordinator and Ms. Betsy Chacko, Head of the Dept. of Computer science and applications. The welcome speech was delivered by Ms .Dolly Augustine. Principal had honoured the parents through her speech.

Then we had a class by Mr. Roy C George. Vote of thanks was given by one of the parents. The programme was concluded with our college anthem. The class was very useful to all parents. The resource person discussed about the cybercrimes that are seen nowadays and also some tips for our own safety.

REPORT ON BRIDGE COURSE 2016-2017

The bridge course for 1st year BCA began on July 25, 2016. The course introduced the basic concepts of programming.It was conducted to create awareness among the students who came from different streams of education.The course began with an introduction to the internet world and had discussions on how to browse something, what were the elements that matter with internet.Next section was about computer, its different parts and generations of computer.Next topic was about computer memory and how important it was. RAM and ROM and its different sub divisions were also discussed. The course also covered the topics programming languages, computer network-what are the different types of network and how to access it, hardware & software and what were its uses and eminent personalities of computer field. All together it was a worthwhile program which enlightened on the deep roots of computer and its widespread technology. The bridge course was completed on July 28,2016.

REPORT ON EXTENSION CLASS

As M.Sc Biotech second semester has a paper comprising of computer science related unit, the Department of Computer science and applications had handled that unit. The class was conducted on 1st and 9th 2016 August by Mrs.Gisha George, Asst.Professor on Contract. The duration of the extension class was about 5 hours. During the tenure, the topics covered were the basics of computers, BASIC and C programming languages.

REPORT ON MONSOON FEST

Date:4th and 5th Aug 2016

Monsoon Fest was conducted on 4th and 5th August 2016. All the departments of the college were involved and arranged different kinds of stalls. The Department of Computer Science organized a food stall,"Bombay Cafe" and it

was one of the best among of all. The traditional snacks attracted the visitors. The students of our department contributed Handicrafts, handmade jewelleries, organic vegetables, wide varities of food items to the stalls arranged by the College. Different interesting games such as "box and ball", "glass and ball", "ball through tape", "brush n cap"………. were conducted to entertain the visitors. Stalls were colourfully decorated.

Entertainment programmes by students of various departments made those days colourful. An eye-popping flash mob by III BCA and a glittering group dance by II BCA students added more flavours to the fest.

As part of raising the student welfare fund all the students of our department collected newspapers. It was a grand success because of the hard work of teachers and students.

ASSOCIATIONINAUGURATION

Date:11 Aug 2016

The Computer Science and Application's association was inaugurated on 11-08-2016 at 9:30am by Rev Fr. Anil Konkoth CMI, Assistant Professor, Dept. of Computer Science, St. Thomas College Thrissur (Automonous) at Chavara seminar hall. Welcome to the gathering was given by Jil M James. A felicitation by our beloved principal Dr. Sr. Mariette A Theratil and an inaugural address by the chief guest were given in the occasion. A class on the topic "Data and Computing" was given by father, which was both interactive and interesting. He gave us knowledge about how technology is changing day by day. A memento was given to father by our principal as a token of our love. The program was winded up with the Vote of thanks given by Daise Joe .

Fr.AnilKonkoth CMI	Assistant Professor, Dept. of Computer Science, St. Thomas College (Automonous) Thrissur. & Education and Media Councilor of DevamathaProvins CMI, Thrissur

REPORT ON KARUNARDRAM PROGRAM-I

Date:19 Aug 2016

As a part of the *Year of Mercy*, the St. Mary's college is organizing "Karunardram" program. The program is donating food parcel, "Pothichoru" for the needy people in our town.

The students and teachers of the department of Computer Science and Applications contributed 100 food parcelson 19/08/2016.

REPORT OF IT CLUB INAUGURATION AND TECHFIESTA RELEASE

Date:23Sep 2016

The inauguration of IT club and the release of Newsletter Tech fiesta were held in St. Mary's college on 23-9-2016, organized by Department of Computer Science and Applications .The programme started with the inaugural address by the Principal Dr Sr. Mariette A Therattil. Mr. AJITH BALAN P, VFX Supervisor at 'Real Deals' was the Chief Guest. The newsletter Tech fiesta which is a joint venture of Department of Computer Science and Application and IT club was released by the principal by handing over the newsletter to our HOD Betsy Chacko. An invited talk on the topic 3D animation and software was given by the Resource person Mr. AjithBalan P. The audio and video clippings demonstrated during the seminar helped us to know in depth about 3D animation. He made us more aware about the hard work and efforts behind the 3D animations. The invited talk ended with vote of thanks by Aiswarya B of third BCA.

INDUSTRIAL VISIT – REPORT

Date:5th Oct 2016

On 5th October, 2016 the final year students of BCA department were taken to FABLAB of STARTUP VILLAGE at Kalamassery as a part of industrial visit. The session dealt with the topic "3-D Printing". The session began with an introduction about their company and the services offered by them. They gave an insight on the process of 3-D printing and the relevance it has in the current era of technology. They also gave a brief session on its history and the various revolutions behind the current face of 3-D printing. The students were also familiarized with the various equipments (machines) used for the same such as – vinyl cutter, 3-D plotter, digital oscillator, CNC router, laser cutting and the 3-D printer. There was a short demo of its implementation by using different moulds and casts. They also made the students aware of the various opportunities available in this field and how entrepreneurial skills can be developed to reap the desired result.

DEPARTMENTAL PTA MEETING (2016-2017)

Date:11Nov 2016

The Department of Computer Science and Applications has conducted the PTA meeting of UG students on 11-11-2016, Friday at 1.30 pm at St.Chavara seminar hall. Our Principal Dr.Sr.Marriette A Therattil, Ms.Betsy Chacko- head of the department, and other teachers were present there along with the parents. The meeting was started with a prayer. The principal delivered the presidential address. General ideas about the activities conducted by the department and the student's educational achievements were discussed in the meeting by Ms. Betsy Chacko. After the common meeting the parents was taken to the class rooms for the personal meeting with faculties. There they meet the concern teachers and signed in the progress reports. The meeting was completed in a very well manner.

REPORT ON HARITHA KERALAM PROGRAMME

Date:08 Dec 2016

Haritha Keralam was designed by the State Government to ensure the maintenance and protection of water bodies and disposal of solid waste accumulated in public places. As a part of this, our college had organised a cleaning mission. The students of Second BCA had initiated to take part in the mission by cleaning their computer lab on 08/12/2016.

NATIONAL LEVEL ANNUAL SEMINAR SERIES

BYTECLIX 2016 - Date:19 Dec 2016

The 4th track of Byteclix was conducted by Department of Computer science & Application on 19 Dec 2016. Chief Guest of the event was Dr. V. Bhuvaneswari, Asst.Prof, Dept of Computer Application, School of Computer Science & Engineering, Bharathiar University, Coimbatore.

The first Technical session was handled by Dr. V. Bhuvaneswari madam on the topic "SMAC "Smart/Social Mobile Analytics Cloud. In that class we discussed about era of knowledge i.e., Big Data era (2012 The Year of Big).Big Data can be structured, unstructured, semi-structured format. Also we discussed about emergence of social n/w, How Big Data is analyzed? , Problems of Big Data, 6 vs. of big data such as volume, velocity, variety, veracity, value, validity .And also discussed about cloud computing & its advantages, Big Data is the technology introduced by Google & maintained by Apache, its symbol is Mr.Hadoop a yellow elephant, discussed about Companies uses Hadoop& different job opportunities in Data science field.

The second Technical session was handled by Dr.P.P.Abdul Haleem sir (Asst.Prof, Dept of Computer Science, Farook College, Kozhikode) on the topic "Computing using Light Challenges and Trends " (2015 International Year of Light).In this session we discussed about the evolution of computers, critical factors in the design of computers, about Von Neumann Architecture, How Computation are done in a computer ? etc .Also discussed about Light, Communication & Computing using light, latest trends in light computing such as direct laser writing technique to create miniature lattices that can steer light through tight bends, 2013- chips that can transmit data at a faster speed than light & reduce cost, 2015-honeycomb to transmit data through electronic circuit by light etc., difference b/w Light vs. Human Brain, Challenges in computing using light, Quantum computing i.e. use the power of atoms to perform memory & processing tasks were also discussed on this session.

Many students from different colleges were participated and the seminar was useful to all the students who participated in that session.

REPORT ON KARUNARDRAM PROGRAM-II

Date:20Jan 2017

As a part of the *Year of Mercy*, the St. Mary's college is organizing "Karunardram" program. The program is donating food parcel, "Pothichoru" for the needy people in our town.

The students and teachers of the department of Computer Science and Applications contributed 100 food parcels on 20/01/2017.

Report on Computer -Literacy Workshop

Date: 08 Feb 2017

Department of Computer Science and Applications conducted computer literacy workshop for differently abled students of St Joseph Special School, Cheroor on 08-2-2017 from 9.30 AM to 3.30PM. Students of BCA took classes on "computer Basics" and "Basics of MS Word and MS Excel". Few computer games were also played by the students and sweets & gifts were distributed among them. Active participation of students in the special school made the event a grant success. We felt fortunate and privileged to have visited there. It was an amazing experience and we enjoyed putting a smile on their faces.

REPORT ON CAREER GUIDANCE TALK

Date:10 March 2016

As part of career guidance activity, the Dept. of Computer Science and Applications organized a talk on the topic "Personal Development Planning" on 10th march 2016 at 2pm at St. Joseph's Seminar hall. The session lead by Prof. Ramachandran V.R, retired professor, Agricultural University .The three sectors of personal development, important steps to develop our personality, SMART analysis, tips to understand one's strengths and weakness were highlighted in the session. The new opportunities of technology in the modern world are also introduced. The talk winded up by saying how to achieve one's goal within a time bound. The talk was delivered in an enthusiastic manner and was interesting.

As a part of Career Guidance activities the students of final Year BCA, BSc Mathematics and BSc chemistry registered in the open ignite site of Tata Consultancy Services(https://nextstep.tcs.com/campus/) and many students from BCA Department attended TCS Interview and got selection.