R.SANKAR MEMORIAL SNDP YOGAM ARTS & SCIENCE COLLEGE, KOYILANDY

COMPUTER SCIENCE DEPARTMENT

ACTIVITY REPORT 2018-19

The department of computer science executed several academic programmes during the academic year 2018-19.The first programme organized by our department was "PTA meeting" on 19th June 2018.The parents interacted with teachers. The unit test result, attendance and punctuality of a ward was discussed individually and suggestions for improvement were given accordingly. We also conducted PTA meeting for second Year B Sc Computer Science students on 20th June 2018.

Our Department conducted an Induction Programme on December, 2018 for the first Year students.In this programme the Principal,HOD and the convener of discipline committee talked to the students about various matters of the college and these discussions instilled in children a desire to utilize the time effectively and meaningfully in and off the campus.

Another programme initiated and performed by our department is "Walk With a Scholar(WWS)" for first and second year students. It is the ambitious project initiated by the Govt. of Kerala titled Walk With a Scholar(WWS) got off to an excellent start in this institution in 5 departments including computer science in the Academic Year.

As part of the Academic activity of the department, we conducted a Scholar support programme for first year students. It is the ambitious project initiated by the Govt. of kerala titled SSP for the students who need educational and motivational support.

Another programme initiated and performed by our department is **"Bridge Course".** Its aim is to bridge the gap between subjects studied and subjects they would be studying in degree.

Another academic activity conducted by our department is "Escalate" for the remedial classes to scaffold all the students for a better academic and non-academic performance. This attempt proned beneficial to the students as each and every students learning and understanding capacity was identified and remedial teaching methods were implemented for effective learning. Less competitive students were taught subject matters in a more simplified manner and

competitive students were prepared for competitive examinations to score high in the academic circle.

In the period of September to February Computer Science department conducted a programme called "Web Art" a certificate course in web designing.

On January onwards our department started a diploma course, "Diploma in Computer Application(DCA)". A certificate course with the aid of centre for continuing Education in Kerala.

We, the department of Computer Science offered a one month duration computer literacy programme **"Trestle"** for kudumbasree unit of Kunnyoramala in the month of January 2019. Those students who are well in basics of   IT from both second and final year B Sc Computer classes guided and managed the classes with the help of computer science department faculties. After successful completion of the programme a certificate has been issued by the department of computer science to each of the participants. It was a great opportunity to the department as well as our students to serve the society. The participants also got benefitted with this.

The department of computer science organized a one day seminar on "Voice Technology of Future World". The inaugural session start at 9.30 AM with prayer. Ms. Joshna M, Head , Dept of Computer Science welcomed the gathering. Dr. V Anil, Principal presided over the function. Dr.Sunil Kumar R K, Asst.Proffessor, dept of IT, Kannur University inaugurated the seminar. Ms.Hridya G, Ms.Remya K Asst. Proffessors of computer science felicitated the function. Mrs.Chandini P M expressed the vote of thanks .

First session started at 11 AM after tea break. Dr. Sunil kumar presented a paper on 'Challenges and Development of Voice Interactive Machine'. He started the session with a video clip about 'Sophioa-Social Humanoid Robot'. Sophia uses Artificial intelligence , visual data processing and facial recognition. Sophia also imitates human gestures and facial expressions and is able to answer certain questions and to make simple conversations ,predefined topics. After that he spoken about a news papper report of conversation between Shashi Tharoor and a robot. These two matters given an idea about the present stage of computer technology. After that he discussed about the difference between computer and human beings. Finally he discussed about voice technology. That is what we can do with voice recognition,speaker recognition methods, models etc. Fathima Hanan of first year B Sc computer science deliverd vote of thanks .

After lunch break second session started at 1.45PM. this session was about to 'future of voice search' and it was taken by Shameem Akthar k,Asst.proffessor ,deparment of computer science,Malabar college of advanced studies,Vegara. In this session he discussed about speech recognition process, types of speech recognition systems , various speech recognition softwares like Julius, Google Now, SIRI etc. Abhirami P of first year B Sc computer science deliverd the vote of thanks. The session concluded at 4.30 PM.

A cyber or cyber security threat is a malicious act that seeks to damage data, steal data, or disrupt digital life in general. Cyber attacks include threats like computer viruses, data breaches, and denial of service(DOS) attacks cyber threats a big deal. Cyber attacks can cause electrical blackouts, failure of military equipment and branches of national security secrets.they can result in the theft of valuable,sensitive data like medical records. They can disrupt   phone and computer

networks or paralyze systems,making data unavailable. It is not exaggeration to say that cyber threats may affect the functioning of as we know it.

To give a clear picture about cyber security and related issues, a seminar on a topic 'cyber threats and awareness' was organized on 25th   January 2019 by department of computer science. Head of the department Ms.Joshna M welcomed all. The presidential address   was given by Dr.V Anil,principal.Mr.suresh Babu,associate member at national cyber safety and security standers,Regional Director Appin Technology Lab,Former Deputy Commender,Kerala Police Cyberdome inuagrated the programme. Mr .Subash Babu has taken the seminar in associatioin with 'Appin Technology Lab'. Ms.Remya k,Ms.Hridya g(Asst.professors,Dept Of Computerr Science) and Aswin P,Association Secretary Of B Sc Computer Science felicitated the seminar. Ms.Chandini P M,Asst professor ,Dept Of .Computer science delivered the vote of thanks.

The seminar held as two sessions, first session based on the topic information security and the second part was ethical hacking. The seminar was about the information security and ethical hacking which is the most relevant topic in information technology. Participants are taken into a experience with the computer security, risk assessment, hacking and much more. They also invited the students for a workshop on information security by cyber security experts which will be held at their site.

The second session was very interesting,it was about protecting our mobile from hacking. And they introduced a moto to us "IF WANT TO PROTECT, YOU MUST KNOW TO HACK". The purpose of ethical hacking is to improve the security of the network or systems by fixing the vulnerabilities found during testing. Sreelakshmi C of second year BSC Computer Science expressed the sincere gratitude and thanks on behalf of the gathering.

The Department of Computer Science organized a motivational session with Ms. Anju IAS, the honorable Asst.Collector, and Kozhikode District on July 2nd. Motivation is one's direction to behavior, or what causes a person to want to repeat a behavior, a set of force that acts behind the motives. An individual's motivation may be inspired by others or by events (extrinsic motivation) or it may come from within the individual (intrinsic motivation). Motivation has been considered as one of the most important reasons that inspire a person to move forward in life.

It was an interdisciplinary session by inviting all the students from other departments. The programme was started with the welcome speech by Ms. Chandini P M Asst.Professor, Dept. Of Computer Science. Dr. V Anil, Principal presided over the function. Honorable Assistant Collector Anju IAS (Kozhikode district) inaugurated the function. Hridya G and Remya K, Asst.Professors of the Department felicitated the inaugural ceremony. Ms.Joshna M, HOD of the department delivered the vote of thanks.

The next was the most awaiting moment. Through her words the gathered students got influenced and made them to work hard to set a goal. She quoted the words "When you want something, the entire universe conspires in helping you to achieve it". From the novel 'The Alchemist' by the famous writer Paulo Coelho which was the book inspired her most. Motivation results from the interaction of both conscious and unconscious factors. Mastering motivation to allow sustained and deliberate practice is central to high levels of achievement e.g. in the worlds of elite spot, medicine or music.

It was a wonderful interaction session with Anju IAS. In this youngest age she achieved her goal by travelling her on path. Students ask so many questions which is related to civil service and she answered very perfectly. She has given the detail description about civil service. She pointed out the three stages in civil service exam-preliminary, Main and interview. She achieved this goal in her second attempt. After completing engineering degree she concentrated on civil service. Within two years of her hard work she could taste the sweatness of the civil service. Then she listed out few questions which is expected to be asked in the interview. She shared experience of her training period. She simply cleared all confusions in students. Adhithy of Second Year BA English class expressed the vote of thanks.

The session provided more information about civil service and she inspired all students and teachers. By seeing her achievement in this youngest age the students got inspired a lot. The session was an unforgettable and proud moment in the history of our college.

On 7th March 2019 our department conduct a PTA meeting for First Year B Sc Computer Science students.

The IT fest named 'XAVION' was conducted by department of Computer Science on 7th March 2K19. A wide ranging programme were organized and an exhibition was conducted. The programmes conducted as the part of IT Fest are listed below:

- Lavender-Spot Photography
- Valorous-The gamming
- Dazzle Coding-The blind Coding
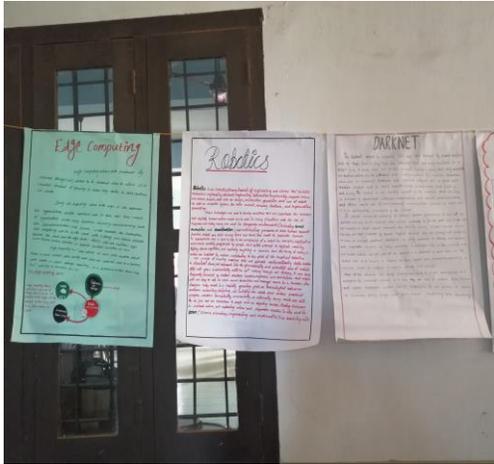- Quora-The IT Quiz
- Delouse-The Debugging

- Impersa-The Logo Quiz

All the students our college had got the opportunity to participate. Maximum students registered at the Registration Counter. Both the students of our department and other departments supported us to make the IT Fest a successful at the same time beneficial one.

Students from the school near by the college named Kollam U.P School, Kollam,Koyilandy had participated in the contests as a part of IT Fest. And visited our college and was a part of the Fest.

The young boy named Albin participated and won the contest Valorous –The gamming, which was to solve a Rubik's Cube. He was awarded at that moment too.

Intellectual property rights are the rights given to persons over the creations of their mines. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time. To give a clear view of about Intellectual Property Rights, a seminar was organized by Department of Computer Science, on 22-03-2019. The venue was the seminar hall of the college.

Ms . Joshna M ,HOD(Asst.professor,Dept of computer science)welcomed all to the programme. Dr. V Anill,principal presided over the function. The seminar was inaugurated by Dr.Lawwellman,Asst.professor,Govt.Law college ,Kozhikode at 10 AM.Ms Remya K and Ms Chandini PM (Asst.professors ,Dept of computer science)felicitated the seminar. The formal inuagral function was concluded by the vote of thanks of Ms.Hridya G(Asst.professor Dept of Computer Science).

Dr.Lawwellman's presentation began with explaining the various aspects of copy right. He discussed in detail about the topics like 'what is copyright?', what do we mean by author or creator ?, originality of Literary works, Judicial decisions (copyright in judgements produced by courts Vs government)etc. he also explained "Service Mark and Collective Mark". His presentation was much informative as he cited interesting case studies.

He discussed the matter with the instant camera story of Polaroid Vs. Kodak. He distinguished patentable and non patentable inventions in India. He gave various examples of patents in Life Science. The procedures for the application of various steps of granding of patents are described. He concluded the session by explaining about post grand oppositions and claims, explaining the rational of protection and the nature if IPR. IPR are monopoly rights. He emphasized that IPR have to be renewed from time to time for keeping them enforced except in case of copy right and trade secrets. Aswin P, Association Secretary of B Sc Computer Science delivered the vote of thanks.

Achievements:

1. Many passed out students of 2018-19 batch got high ranks in entrance examination of various universities. Among those, Aswin K got first rank in Kannur University Entance examination.
2. Many students got admission in Central University, Pondicherry, Kannur University and Calicut University.

RSM SNDP YOGAM COLLEGE, KOYILANDY

COMPUTER SCIENCE DEPARTMENT

ACTION PLAN 2018-19

For the academic year 2018-19 ,the department of Computer science proposes to do the many activities to provide a flexible academic framework that empowers students to continuously align their learning pathways with their plans and needs ,engage proactively with students, faculty and staff to learn from our multiple perspectives, provide academic support and advance career preparation and to provide predictive analytics to anticipate needs and changing situations.

Along with the regular academic performances we plan to organize the below listed task to engage the students so as to scaffold them for better academic and non-academic performance.

Sl. No	Programme	Description
1	PTA meeting	To discuss the academic and non-academic performance of the students with their parents.
2	Induction Programme	Orientation Programme for first year students
3	Walk With a Scholar(WWS) - First & Second Year Students	The ambitious project initiated by the Govt. of Kerala titled Walk With the Scholar(WWS)got off to an excellent start in this institution in 5 departments including Computer Science
4	Scholar Support Programme –	The ambitious project initiated by the Govt. of Kerala titled SSP for the students who need

	First Year Students	educational & motivational support.
5	Bridge Course	Aim to bridge the gap between the subjects studied and subjects they would be studying in Degree
6	Escalate	Remedial Classes- Scaffold all the students for a better academic and non-academic performance.
7	"Web Art"	A Certificate Course in Web designing
8	DCA Course	Diploma in Computer Application- A Certificate Course with the aid of Centre for Continuing Education Kerala
9	Trestle	The Computer Literacy Programme organized for the neighbourhood Kudumbasree unit.
10	Seminars	Plan to conduct seminars on current trends.
11	Alumni Meet	Departmental Alumni Meet
12	IT Fest	Plan to conduct IT fest in the month of March
13	Industrial Visit	Plan to visit IT park by the month of February.
14	Incite Programme	Interactive Sessions with Alumni