LOYOLA COLLEGE, Vettavalam
DEPARTMENT OF COMPUTER APPLICATIONS
ASSOCIATION REPORT 2019-2020

The Department of Computer Applications is headed by Prof. **S. Dharmaraj**. The Department held the inaugural function of its association, **ATOMS** on July 4, 2019 in the Auditorium for the academic year 2019-2020. This programme was organised by Association President Prof. A. Catherineloura and two people were elected as Association Secretaries, **Mr. J. Kartik** (IIIBCA) and **Ms. D. Darjline Mary (IIIBCA). Fr. Principal and Fr. Secretary** presided over the function, and his talk was focused on the need to enhance the creativity of the students.

WORKSHOP

The Department of Computer Applications organised a one-day workshop on **"Android"** on August 19, 2019. **Mr. F. Jayaselan** (Software Engineer), Bosco Soft Technologies Pvt. Ltd., Yelagiri, was the Resource Person on that day.
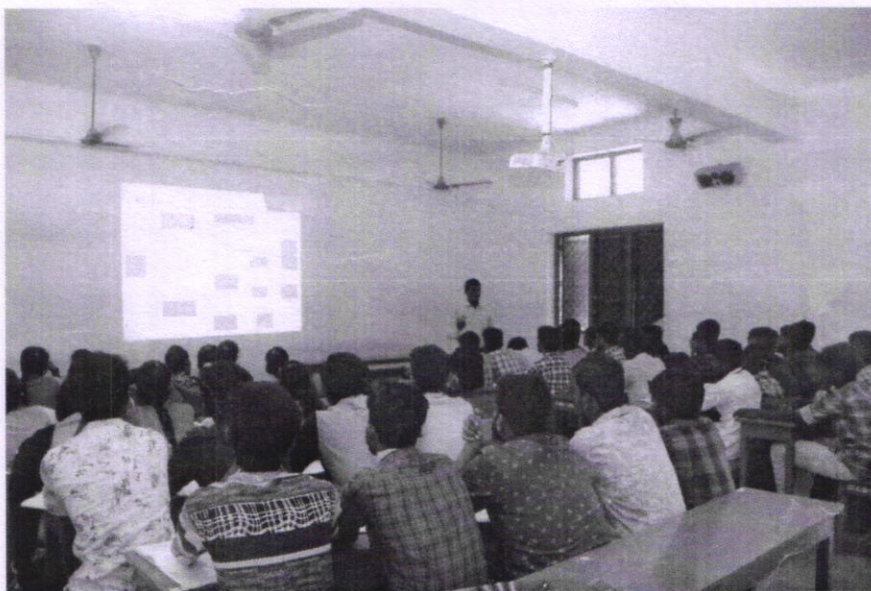
Topic	: Android Workshop
Class	: III BCA
Resource Person	: Mr. F. Jayaseelan, Software Engineer,
	BoscoSoft Technologies Pvt Ltd,
	Yelagiri.

WORKSHOP

The Department of Computer Applications organized a one-day workshop on **"JAVA"** on August 19, 2019. Assistant Professor **U.** *Udhaya* **Kumar** was the resource person on that day.

Topic   : JAVA Workshop

Class   : II BCA

Resource Person : Prof.U.Udhayakumar. M.Sc, M.Phil, SET, Ph.D.,

         Shanmuga Industries of Arts and Science College,

         Tiruvannamalai.

WORKSHOP

The Department of Computer Applications organized a one-day workshop on **"Programming Techniques in High Level Language"** on August 19, 2019. Prof.**P. Peter Jose and** Prof.**A. Manimuth of** Loyola College, Vettavalam, were the resource people on that day.

Topic   : Programming Techniques in High Level Language

Class   : I BCA

ONE-DAY INTERNATIONAL SEMINAR

The departments of Computer Applications, Computer Science, and Mathematics jointly organized a one-day international seminar on **"Computing Science"** on September 3, 2019. **Dr. Paul Manuel**, Director of Graduate Program, MS Information Technology, from Kuwait University, was the Chief Guest on that day.

Topic   : Computing Science

Class   : BCA

Resource Person   : Dr.Paul Manuel,

                            Director of Graduate program,

                            MS Information Technology,

                            Kuwait University.

ONE-DAY INTERNATIONAL SEMINAR.

Topic	: Cloud Computing: Security Issues and Challenges.
Class	: BCA & B.Sc. Computer Science
Resource Person	: Dr.S.J.Rexline
	Department of Computer Science,
	Loyola College,
	Chennai.

CERTIFICATE COURSE:

The Department of Computer Applications conducted a Certificate Course for II & III BCA students starting on January 28, 2020.

1. Course Name: Android, Staff Incharge – S.Dharmaraj
2. Course Name: Cloud Computing , Staff Incharge – P.Peter Jose
1. Course Name: ASP.NET, Staff Incharge – A.Manimuthu & A.Cathrine Loura

WORKSHOP

The departments of Computer Applications and Computer Science jointly organised a one-day workshop on **ASP.NET** on February 01, 2020. **Mr. S. Clament, Arun Jerry,** from Don Bosco College, Yellagri, was the resource person on that day.

Topic	: ASP.NET
Class	: BCA & B.Sc. Computer Science
Resource Person	: Mr.S.Clament Arun Jerry,
	Don Bosco College,
	Yellagri.

INTER-COLLEGIATE COMPETITION WINNER LIST

1. **Sacred Heart College (Autonomous) on January 30, 2020**

1	PARGOVAN BOSE.D	17UCA58	BRAIN BUSTER	1ST PRIZE
2	KARTHIK.J	17UCA15	BRAIN BUSTER	1st PRIZE

1	YOGESHWARAN.V	17UCA51	TECH TUNER	2nd PRIZE
2	ARAVIND BAASKAR RAAJ.J P	17UCA46	TECH TUNER	2nd PRIZE

STAFF ACHIEVEMENT

1. PROF. DHARMA RAJ

Participated in the international conference on "State Of Art Technology And Its Impact On Transforming The World" at Kodaikanal Christin College (Madurai Kamaraj University), Kodaikanal, held on September 19th, 2019.

LIST OF PUBLICATIONS

1. Inevitable Use of Cloud Computing in Education in the Digital World. International Research Journal of Engineering and Technology (IRJET). e-ISSN: 2395-0056.

2. S.Dharmaraj, **"Speech Recognition (Audio Signal) and Video Streaming Part (Audio Signal) Compression Based on De-Duplication Techniques in Cloud Computing"**. Shanlax International Journal of Arts, Science, and Humanities Journal number: 43960.

2. PROF. P.PETER JOSE

LIST OF PUBLICATIONS

1. Peter Jose, "An Improved model to increase retrieval time and security by data fragmentation and replication process in cloud", International Journal of Recent Technology and Engineering, Publisher: Blue Eyes Intelligence Engineering & Sciences Publication Volume-9 Issue-2, December 2019, ISSN: 2249-8958 (Online) (Scopus Indexed).

2. P. Peter Jose, "Security Enhanced Model for Cloud Data Based on Dynamic Data Fragmentation and Replication (DDFR) ISBN: 97881-922142-7-6.

3. PROF. A. MANIMUTHU

1. Acted as a resource person at Sri Kailash Women's College in Salem, on the topic of "Data Science," which was held on February 20, 2020

2. Attended the International Conference on Sustainable Development held at the Kalasalingam Academy of Research and Education (Kalasalingam University) in Krishnankovil, Srivilliputtur (TK). From the 18th to the 20th of December, 2019, Virudhunagar will be closed.

LIST OF PUBLICATIONS

1.A.Manimuthu, "A proposed Modified Filtering Algorithm(MFA) for Secured Data by Identifying the Delay and Effective Completion time of task in cloud", International Journal of Recent Technology and Engineering, Publisher: Blue Eyes Intelligent Engineering and science ,Volume 07, Issue 5, Feb 2019, ISSN: 2277-3878 (Scopus Indexed).
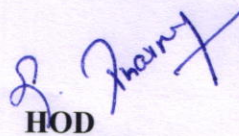
2.A.Manimuthu, "Review of Cloud Computing Security and Data sharing Challenges. Conference on Recent Trends in Computer Science, Applications and Engineering. ISBN: 97881-922142-7-6
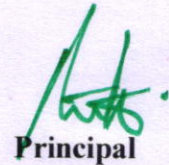
3.A.Manimuthu, "An Enhanced approach on distributed accountability for shared data in cloud", Journal of Intelligent and Fuzzy Systems", Publisher ISO Press, Europe (SCIE indexed, IF: 1.637)

4.A.Manimuthu, "Cloud based Energy Aware routing protocol for pre detection and its prevention of fault Tolerance", International Journal of Recent Technology and Engineering, Publisher: Blue Eyes Intelligent Engineering and Science ,Volume 07, Issue 5, Dec 2019, ISSN: 2277-3878 (Scopus Indexed).

Finally, we, the department of computer applications, thank the Jesuit management, teaching, non-teaching staff, and students for the guidance, wonderful support, and encouragement throughout the academic year to organize all the association activities successfully. Thank you all.

Association President

HOD

Principal

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