



St. Xavier's College (Autonomous)

(Recognized as "College with Potential for Excellence" by UGC & Accredited at A⁺⁺ grade with CGPA of 3.66/4 in IV Cycle by NAAC)

Palayamkottai – 627 002

ANNUAL REPORT 2023-2024

DEPARTMENT OF COMPUTER APPLICATIONS

XCAPA INAUGURAL FUNCTION



The Inauguration function of Xaverian Computer Applications Professionals Association (XCAPA) was held on 20.07.2023. Mr. Ravi Narayanan, Chief Executive Officer, Vivant360 Software Services/ Vivant360 Software Consulting FZE, UAE, was the Chief Guest.

ORIENTATION PROGRAMME

The Orientation Programme titled "Significance of Certifications on Linux in the Job Market" was held on 24.07.2023. Mr. J.S.Sukumar, Industry Institute Interactive Consultant, Advantage Pro, Chennai served as the Resource Person. He pointed out the job opportunities for RedHat certification.

PAPER PRESENTATION

The Paper Presentation Competition for MCA students was held on 08.08.2023. Mr. A. Jothi Kumar, Assistant Professor of Computer Science and Dr. A. RegitaThangam, Assistant Professor of Computer Applications were the judges.

ICAPO 2023

The Inter Collegiate Tech Meet ICAPO 2023 was held on 15.09.2023. Rev. Dr. G. Pushparaj, S.J., Secretary, St. Xavier's College (Autonomous), Palayamkottai felicitated. Mr. Joerex, Test Architect, Capegemini was the Chief Guest. The Department of Computer Science, Rose Mary College secured the overall Winner's Trophy.

ORIENTATION

An orientation on BCA Project was held on 23.11.2023 and 29.11.2023. Mrs. L. Sujatha and Dr. A. RegitaThangam, Assistant Professors of Computer Applications gave an introduction on how to do Project.

PAPER PRESENTATION COMPETITION FOR UG

The Paper Presentation competition for BCA students was held on 05.12.2023. Mrs. L. Sujatha, Assistant Professor of Computer Applications and Dr. R. Geetha, Assistant Professor of Computer Applications and Dean of Science served as judges.

ALUMNI MEET

Alumni Meet of the Department of Computer Applications was held on 10.02.2024.

TWO DAYS WORKSHOP

A two day Workshop on "Personal Computer Technician" was held on 15.02.2024 and 16.02.2024. Mr. M. RanjitSenguptha, Director and COO, Vectra Technosoft Pvt. Ltd. (Advantage Pro) was the chief guest. Mr. J.S. Sukumar, C.E.O., I-Tech Academy, Tirunelveli, Industry Institute Interactive Officer (Red Hat), Advantage Pro, Chennai and Mr. A. Ramasubramanian M.D. I-Tech Academy were the special invitees. Mr. K. Radhakrishnan

(B.Tech), Senior Network Engineer and Mr. B.Karthikeyan (BE Civil) Interior Design Architecture, System Administrator at I-Tech were the resource persons.

XCAPA VALEDICTORY FUNCTION

XCAPA Valedictory Function was held on 29.02.2024. Ms. S. Mahalakshmi, Engineer III Consultant, Fullstack, Verizon Data Services, Olympia Tech Park, Ekkaduthangal, Chennai was the chief guest. The department magazine and Newsletter were released. Dr. B. Xavier Innocent, Deputy Principal, St. Xavier's College (Autonomous), Palayamkottai and the chief guest, Alumnus Ms. S. Mahalakshmi, gave away the prizes for the prize winners.

INTER-DEPARTMENTAL COMPETITION WINNERS (2023-2024)

S.NO	Date	Name	Event Name	Sponsoring agency	Prize Won
1	28.07.2023	S. Maria Antony Breeza	Elocution for Homage to St. Ignatius of Loyola. SXC@100 Competition	St. Xavier's College (Autonomous)	II
2	12.01.2024	M.Murugalakshmi	Folk Dance	INDECO	II
		S.Roseni			
		A.SteffyVennila			
		P.Anupriya			
		P.AnishaReshmika			
		S.Ahiyakarlo			
		M.Vaishnavi			
		M.Arthi			
		D.Jemima Jenifer			
3	12.02.2024	J. JersoMebison	Football	Department of Physical	II
		Jesvin L Jose			

		A. Thavasi Ganesh		Education	
		R. Akhil			
		N. Sam Josephat			
		M. Hari Prakesh			
		J. John Adranio			
		S. Vinith			
		S. Manikandan			
		S. Muthamilan			
		A. Charles			
		K. Shrinivasan			
		C. Hemirshan			
		J. Aarkesh			
4	23.01.2024	K.P Madhu Gogul	Volleyball	Department of Physical Education	II
		S.Muthukumaran			
		V.Kesavaraj			
		S.Darwin Antony			
		P. Sudalai			
		M.Hari Prakash			
		S.Vinith			
		R. Muthu Bharathi			
		S.Muthamilan			
		S.Manikandan			
		A. Jefrin Arockia Jose			
		S. Sankara Narayanan			

INTER-COLLEGIATE COMPETITION WINNERS

S.NO	Date	Name	Event Name	College Name	Prize Won
1	16.02.2024	J. Brithwin Rayen	As you Like it	Francis Xavier, Engineering	I
		P. Ramesh			

		M. Mohammed Barook Abinash		college, An Autonomous Institution, Vannarpettai, Tirunelveli	
		T. Brian Lara			
		G. John Meshach			
2	16.02.2024	J. Brithwin Rayen	Symposiumfor Innovatorsby Motivators	Francis Xavier, Engineering college, An Autonomous Institution, Vannarpettai, Tirunelveli	Overall Second
		P. Ramesh			
		M. Mohammed Barook Abinash			
		V. Dinesh Ram			
		P. Santhosh			
		T. Brain Lara			
		G. John Meshach			
		E. Siva Sankari			
		R. Thirumalai Divya			
3	13.02.2024	J. J. Deva Ziboni G. Maharasi	Debugging	Rosemary College	II
		S. T. Subalakshmi Bhavani	Quiz		
4	27.02.2024	J. J. Deva Ziboni G. Maharasi	Debugging	Ayya Nadar Janaki Ammal College	II
		G. Nivethikha P. Susmitha	SQL Master		

TABLE.8.a . PAPERS PUBLISHED IN JOURNALS (2023.2024)

S. NO	Name of the Teacher	Name of the Department	Title of the Paper	Name of the Journal	Volume No/ Issue No/ Page No /year	ISSN No. / e.ISSN No.	Cited in Web of Science / Scopus Indexed/UGC Approved / Not Found in UGC.CARE List	National / International	Impact Factor	Month & Year of publication
01.	Dr.S.Chidambaranathan	Computer Applications	Deep learning enabled blockchain based electronic healthcare data attack detection for smart health systems	Measurement: Sensor	Vol.31, December 13, 2023,	ISSN No.:2665.9150	(Elsevier)	International	0.9	
02.	Dr.S.Chidambaranathan	Computer Applications	Methods Of Recognizing Chronic Kidney Disease Using Machine Learning	Latin American Journal of Pharmacy (formerly Acta Farmacéutica Bonaerense)	Vol.42 (3), page no: 1025. 1029, 2023	ISSN No: 0326. 2383	(SCOPUS INDEXED)	International	SJR 0.126, SNIP 0.109	
03.	Dr.S.Chidambaranathan	Computer Applications	Machine Learning Model for Binary Classification Based Prediction of Chronic Renal Disease	International Neurourology Journal	Vol.27.No.4, page no: 240. 251,2023	ISSN No.2093. 4777 E.ISSN : 2093.693	(SCOPUS INDEXED)	International	SJR 0.612, SNIP 0.853	
04.	Dr. R. Geetha	Computer Applications	Deep learning enabled blockchain based electronic healthcare data attack detection for smart health Systems	Elsevier	Vol. 31 Measurement Sensors, Feb.2024, 100959			International		

TABLE.8.b – PAPERS PUBLISHED IN CONFERENCE / SEMINAR PROCEEDINGS (2023.2024)

S. No	Name of the Teacher	Department	Title of the Paper	Title of the Proceedings	National / International	(Place, Publisher, Year, Page No.)	ISSN / ISBN No.
01.	Dr. S. Chidambaranathan	Computer Applications	Early Prediction Stages Of Renal Disease Using A Machine Learning Approach	International Conference on Applications of Mathematics in Data Science (ICAMD 2024)	International	27 th & 28 th February, 2024	..

TABLE 9 . BOOKS / BOOK CHAPTERS PUBLISHED (2023- 2024)

S. No	Name of the Teacher	Department	Title of the Books / Proceedings	Title of Book Chapters	Place, Publisher, Page No.	National / International	ISSN / ISBN No.	Month & Year of publication
01.	Dr.S.Chidambaranathan	Computer Applications	Exploratory Data Analysis and Visualization		Scientific International Publishing House, February 2024 Pages: 224	International	ISBN: 9789361326455	
02	Dr.S.Chidambaranathan	Computer Applications	Smart Mobility and Intelligent Transportation Systems for Commercial and Hazardous Vehicles		Apple Academic Press, USA Published 2024 Pages: 301	International	Hard ISBN:9781774915387 E.Book ISBN:9781032684048	