

Department of Information Technology

St. Xavier's Catholic College of Engineering

Accredited with 'A' Grade by NAAC | UG Programs EEE, ECE & MECH Accredited by NBA [Tier II, 2018-2019 to 2020-2021]



2019-2020 | Issue 2



From the Desk of **Editor-in-Chief**

Dr. J. Annrose

Head, Department of Information Technology

With great pleasure I thank the editorial board of this Newsletter 2019-2020 Issue2 of the Department of Information Technology of St. Xavier's Catholic College of Engineering. The department nurtures the students to adapt in the fast changing pragmatic world yet maintaining the sensitivity in them. It provides the platform to expose the merits and academic achievements of both staff and students. This is the time that we have adapted ourselves completely to the online learning environment. We were very keen to update the latest technological growth and the local needs. This newsletter brings the brief accounts of both online and offline events held during December 2019 to June 2020.



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St. Xavier's
Catholic College of Engineering
Chunnaikadai, Nagercoil, Kanyakumari District

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ISO Programs ISO 9001 & ISO 27001
Recognized under Section 10B & 10BA of IT Act, 2008
Approved by AICTE, Affiliated to Anna University, Chennai
AIIB, MBA & MCA Programs Recognized by All India Council for Technical Education

LIVE WEBINAR

Department of Computer Science and Engineering
and
Department of Information Technology
Jointly Organizes
One Week
Online Faculty Development Program
on
Cloud Computing
(CS8711 Cloud Computing Laboratory)
15th June 2020, Monday to 20th June 2020, Saturday
11:00 AM to 01:00 PM (GMT +05:30)

Sessions
Session 01 Introduction to Cloud Computing
Session 02 Installing Virtualbox Workstation
Session 03 Installing a C++ compiler in the virtual machine
Session 04 Transferring files from one virtual machine to another
Session 05 Installing Google App Engine
Session 06 Using GAE Searcher for Web Applications
Session 07 Simulation of cloud scenario using CloudSim
Session 08 Running scheduling algorithm using CloudSim
Session 09 Installing Hadoop
Session 10 Running simple applications in Hadoop
Session 11 Launching virtual machines using Openstack
Session 12 Online Assessment

FREE REGISTRATION IS NOW OPEN

Register Online through
<https://www.sxccce.edu.in/cclfdp/>
Registration Closes on
10th June 2020, Wednesday
* Seats are limited and allotted based on FCR
* E-Certificate will be provided

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of Engineering
Dr. J. Annrose
Head, Dept. of IT,
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of Engineering
Dr. S. J. Joseph
Senior Professor, Dept. of CS,
St. Xavier's Catholic College
of Engineering
Dr. C.M. Manan
Senior Professor, Dept. of IT,
St. Xavier's Catholic College
of Engineering
Dr. J. Bright Jose
Senior Professor, Dept. of CS,
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Dr. J. Josephine Latha
Senior Professor, Dept. of IT,
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of Engineering
Dr. M. Anshu Jyoti Kumar
Senior Assistant Professor,
St. Xavier's Catholic College
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Dr. J. Annrose
Co-Chairman
Dr. M. Manoj Wilson
Chief Patron
Rev. Fr. M. Francis Xavier
Head of CS
Dr. R. P. Anto Kumar
Head of IT
Dr. J. Annrose

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LIVE WEBINAR

Department of Information Technology
and
Department of Computer Science and Engineering
Jointly Organizes
One Week
Online Faculty Development Program on
Cyber Security
22nd June 2020, Monday to 27th June 2020, Saturday
02:00 PM to 03:00 PM (GMT +05:30)

Sessions
Day 01 Introduction, Introduction to Cyber Security and Ethical Hacking, Why Cyber Security, Future in Cyber Security, Types of Hackers, Malware, Spyware, Ransomware Attacks
Day 02 Social Engineering, What is Social Engineering, Types of Social Engineering, Attacks, Phishing, Types of Phishing, OWASP, Homograph Attack, Gmail Demonstration, Advanced phishing with domain spoofing
Day 03 Password Cracking, What is Password Cracking, What is BruteForce, How to BruteForce, Password
Day 04 Cryptography and Steganography, What is Cryptography, Hashing, Encoding - Encryption, What is Steganography, Demonstration
Day 05 Future Scope, What is Future in Cyber Security, What are Bug Bounties, How can you start with Bug Bounties
Day 06 IT Act, 2008, Cyber Laws and Crimes, Case Studies, Online Assessment

FREE REGISTRATION IS NOW OPEN

Register Online through
<https://www.sxccce.edu.in/csfldp/>
Registration Closes on
17th June 2020, Wednesday
* Seats are limited and allotted based on FCR
* E-Certificate will be provided

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Cyber Security Consultant,
Public Speaker, Entrepreneur
Ms. Shifa Cyclewala
Cyber Security Consultant,
Entrepreneur
Mr. Jerry Nilsson
Senior Cyber Security Consultant,
Resilient Solutions, Member

Organizing Chairman
Dr. J. Annrose
Co-Chairman
Dr. M. Manoj Wilson
Chief Patron
Rev. Fr. M. Francis Xavier
Head of CS
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Head of IT
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About the Department

The Department of Information Technology was started in the year of 2001 with the intake of 60 students. The Department works with the objective of creating excellent IT professionals to address the challenges faced by the industry and society. The department has laboratories furnished with systems of latest configurations to improve the analytical and practical skills of the students. The department has experienced and committed faculty members to impart quality education, project guidance, personality development and mentoring. We ensure that students are up-to-date with the latest technologies through innovative teaching learning processes, MOOC courses, enrichment and value added programs. Our students are consistently excelling in their placement process with the reputed companies. It provides the platform for their overall development in sports, cultural, curricular, technical & regular academics.

Salient Features

- Strong legacy in 19 years of academic excellence.
- Experienced and Dedicated faculty with 4 Ph.D. holders and 6 pursuing Ph.D's
- Well-equipped air-conditioned laboratories with latest configuration.
- All the classrooms are equipped with wall mounted LCD Projector.

Exploring the Chronicles

FDP on Cloud Computing
Six days- 2 hours/day
13-6-2020 to 17-6-2020

FDP on Cyber Security with Hactify Cyber Security
Six days - 1 hour/day
22-6-2020 to 27-6-2020

Coding Skills using C
Twelve days - 1 hour/day
30-6-2020 to 17-7-2020



International Conferences of Computational Intelligence and Theoretical Sciences



An International conference on Computational Intelligence and Theoretical Sciences ICCITS2020 was organized from 06th to 08th of February, 2020. Dr. Muhammed Musallam, Professor, Dept of IT, Salala College of Technology was the Chief Guest and he has given an wonderful keynote address on Cyber Security

Achiever's Corner

Software Consultany

(Basic Expansive Software
(PHP MYSQL)

M.S. Ajay Nagaraj (IV year)

Smart India Hackathon 2020

Grand Finale (Cyber Trone)

Ajay R (IV year),

Viju (IV year),

Deepthi (IV year),

Ananth Kumar (IV year),

Akhil Jinu (II year),

Beni (I year)

Staff Achievements

ICCITS 2020

The Department of Information Technology proudly organized an International Conference on Computational Intelligence and Theoretical Sciences ICCITS from 06th to 08th February, 2020.

The two-day conference comprised of two plenary sessions and one keynote session. Chief Guest Dr. Muhammed Musallam, Professor, Dept of IT, Salala College of Technology given a keynote address on Cyber security awareness. On 6th February 2020, Dr. R.S. Shaji, Dean-Research, St. Xavier's Catholic College of Engineering given a plenary talk on machine learning.

On 7th February 2020, Dr. A. Milton, IQAC Coordinator given a plenary talk on MATLAB. The conference was structured to foster discussion between participants around the core themes of the small states project. This was achieved by hosting Technical Quiz, Technical connections, Debugging, Web Designing and Photography contests.

On 8th February, 2020 a local visit was organized to give more space for the delegates, students and faculty to interact and share their knowledge.

86 Research articles were presented and 146 participants attended the conference

Name of the faculty & Designation	Details of Achievement	Organizer
Dr. Annrose J. Assistant Professor & Head	Elite + Silver Medal - Accreditation and Outcome Based Learning	NPTEL
	Elite + Gold Medal – Python for Data Science	NPTEL
	Reviewer- Estimation of protein from the images of	Journal of food science and Technology
	Active SPOC for NPTEL	Swayam- NPTEL IITM
Dr. D. Hevin Rajesh Associate Professor	Elite + Gold Medal - Accreditation and Outcome Based Learning	NPTEL
Dr. R. Jemila Rose Associate Professor	Elite + Silver Medal - Accreditation and Outcome Based Learning	NPTEL
	Guest Lecture	Jude's Polytechnic
	Judge	LITES
	Guest lecture	Vins Christian College
Suja A. Alex Assistant Professor	Elite + Silver Medal - Accreditation and Outcome Based Learning	NPTEL
	Elite -Programming in JAVA	NPTEL
N. Ansgar Mary Assistant Professor	Elite + Silver Medal - Accreditation and Outcome Based Learning	NPTEL
M. Geetha Jenifel Assistant Professor	Topper + Gold Medal – Introduction to IOT	NPTEL
Varun C M Assistant Professor	Elite+ Accreditation and Outcome Based Learning	NPTEL
Josephine Usha. L Assistant Professor	Elite + Silver Medal - Accreditation and Outcome Based Learning	NPTEL
T.M.Angelin Monisha Sharean Assistant Professor	Judge for IGNITE 2k19 - An International School Ex	Alphonsa college of Arts and Science

Achiever's Corner

InterCollege Competitions

Sl.No	Name of the student	Award/ Title of the paper/project
1.	Akhil Jinu.T.P	First Prize – Web Design, Stella Mary's College of Engineering
2.	Sanjana Satheesh.S	Second Prize – Debugging, Stella Mary's College of Engineering
3.	Mr.R.Anish Gnanamoni.R	Third Prize – Web Design, Stella Mary's College of Engineering

NPTEL, Coursera, TCSion, ICT Courses

Sl.No	Name of the student	Award/ Title of the paper/project	Organizer
1.	Ms.S.Sanjana	Elite Award – NPTEL online course on Programming in Java	IIT Kharagpur
2.	Mr.R.Ajay	Elite Award – NPTEL online course on Ethical Hacking	IIT Kharagpur
3.	P.BABISHA MOL	Modified Pass Certificate – NPTEL online Introduction to internet of things	IIT Kharagpur

Coursera

4.	P.BABISHA MOL	Neural Networks and Deep Learning	Coursera
5.	P.BABISHA MOL	Big Data Analytics	Coursera
6.	T S Beni	Technical Support Fundamentals	Coursera

TCS iON

7	GAYATHRI SADHANA S	Career Edge - Knockdown the Lockdown	TCS iON
8	GEETHANJALI JEYASREE S	Career Edge - Knockdown the Lockdown	TCS iON

BitDegree

9	SANTHIYA	Mobile Marketing Revolution	BitDegree
10	SANTHIYA	Learn powerful Tactics of witter Monetization	BitDegree

FORTINET -NSE Institute

11	SANJANA SATHEESH	NSE1 Network Security Associate	FORTINET - NSE Institute
12	SANJANA SATHEESH	NSE2 Network Security Associate	FORTINET - NSE Institute
	AJAY R	NSE1 Network Security Associate	FORTINET - NSE Institute

Automation Anywhere University

13	SANTHIYA	Introduction to RPA	Automation Anywhere University
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Udemy

14	AJAY R	Practical Ethical Hacking - The Complete Course	Udemy
15	AJAY R	Ethical Hacking/Penetration Testing & Bug BountyHunting	Udemy
16	Viju	Python 3 network programming	Udemy

Others

17	AJAY R	Cyber Security	Amity Future Academy
18	AJAY R	ICSI certified Network Security Specialist	George Thrasyvoulou
20	Viju	PHP Tutorial Course	Solo learn

Editorial Board

Editor-in-Chief

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Ms. S. Soundarya

Mr. M. Mahesh

Ms. M. Akhilaa

Vision

Creating top-notch Information Technology Engineers, innovative researchers and successful entrepreneurs towards developing a technically empowered humane society.

Mission

M1. Providing quality technical education and high caliber skill training that meets the needs of society and latest technical expectations of the industry.

M2. Fostering innovative and rigorous research culture among staff and students to find optimal solutions for complex problems.

M3. Imparting value-based education to imbibe ethical principles and act with social responsibility, team spirit, and leadership.

M4. Promoting and developing entrepreneurial skills of the students and handhold them towards commercial success.