

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]



2020-2021 | Issue 1



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 2020-2021 Issue1 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 July 2020 to November 2020.



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Gallery

St. Xavier's
Catholic College of Engineering
Chankarabada, Nagur, Kanyakumari District

Department of Information Technology
and
Department of Computer Science and Engineering
Jointly Organizes

One Week Workshop on Web Programming
03rd August 2020, Monday to 08th August 2020, Saturday
10:00 AM to 12:00 Noon (GMT +05:30)

Resource Persons:
Er. I. M. Anish Varma Shrojan, Assistant Professor, Department of IT, SCC
Er. C.M. Varun, Assistant Professor, Department of CSE, SCC

Convenors:
Dr. J. Annoose, Head, Department of IT, SCC
Dr. P.P. Anil Kumar, Head, Department of CSE, SCC

Event Coordinators:
Er. C.M. Varun, Assistant Professor, Department of CSE, SCC
Er. J. Bright Jose, Assistant Professor, Department of IT, SCC
Er. M. Antony Jagan Kumar, Assistant Professor, Department of IT, SCC

Register Online through: <https://www.sxcoe.edu.in/web-programming/>
Registration Closes on 01st August 2020, Saturday

FREE REGISTRATION
* Seats are limited and filled based on FCRI
* Certificate will be provided

STAY HOME. STAY SAFE. SAVE LIVES.
ADMISSION HELPLINE: 94877 92560 / 04652 232560
www.sxcoe.edu.in
#sxcovertimedia

St. Xavier's
Catholic College of Engineering
Chankarabada, Nagur, Kanyakumari District

Department of Computer Science and Engineering
and
Department of Information Technology
Jointly Organizes

One Week Workshop on Data Science Using R
20th July 2020, Monday to 25th July 2020, Saturday
10:00 AM to 12:00 Noon (GMT +05:30)

SESSIONS:
DAY 01: Overview, Features, Installation, R Basics, Variables, Data Types, Operators
DAY 02: Normals, Matrix, Vectors, Control structures, Functions, string
DAY 03: Subsetting R Objects, File Generation, R Charts / Graphs
DAY 04: Introduction to Machine Learning, Supervised Learning, Implementation of Classification and Regression Algorithms
DAY 05: Unsupervised Learning for Data Science, Cluster Analysis, Association Analysis, Dimension Reduction
DAY 06: Real-time Projects, Feedback & Assessment

RESOURCE PERSONS:
Er. A. Ramia Virgin Louis, Assistant Professor, Department of CSE
Er. M. Geetha Jenifer, Assistant Professor, Department of IT
Er. Suga A. Alex, Assistant Professor, Department of IT
Er. C.M. Varun, Assistant Professor, Department of IT

CONVENORS:
Dr. P.P. Anil Kumar, Head, Department of CSE
Dr. J. Annoose, Head, Department of IT

EVENT COORDINATORS:
Er. C.M. Varun, Assistant Professor, Department of CSE, SCC
Er. J. Bright Jose, Assistant Professor, Department of IT, SCC
Er. M. Antony Jagan Kumar, Assistant Professor, Department of IT, SCC
+91 944 292 3262

Register Online through: <https://www.sxcoe.edu.in/data-science/>
Registration Closes on 18th July 2020, Saturday
* Seats are limited and filled based on FCRI
* Certificate will be provided

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St. Xavier's
Catholic College of Engineering
Chankarabada, Nagur, Kanyakumari District

Department of Computer Science and Engineering
and
Department of Information Technology
Jointly Organizes

One Week Workshop on Image Processing using MATLAB
06th July 2020, Monday to 11th July 2020, Saturday
10:00 AM to 12:00 Noon (GMT +05:30)

SESSIONS:
DAY 01: 09th July, 2020 Monday: Introduction to Image Processing, Introduction to Matlab
DAY 02: 07th July, 2020 Tuesday: Gray Level Transformations, Image Enhancement
DAY 03: 08th July, 2020 Wednesday: Image Segmentation, Morphological Image Processing
DAY 04: 09th July, 2020 Thursday: Content Based Image Retrieval
DAY 05: 10th July, 2020 Friday: Image Classification
DAY 06: 11th July, 2020 Saturday: Image Compression, Discussion

RESOURCE PERSONS:
Dr. C. Selvar Christopher, Professor, Department of CSE
Dr. J. Annoose, Head, Department of IT
Dr. P.P. Anil Kumar, Head, Department of CSE

Register Online through: <https://www.sxcoe.edu.in/matlab/>
Registration Closes on 04th July 2020, Saturday
* Seats are limited and filled based on FCRI
* Certificate will be provided

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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 20 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

Webinar on "Cyber Security in Daily Life"
28th October 2020

Webinar on "Open Source Software"
14th October 2020

International Webinar on "Interpersonal Skills"
31st July 2020

One week workshop on "Web Programming"
3rd August 2020 to 8th August 2020

One week workshop on "Data Science Using R"
20th August 2020 to 25th August 2020

One week workshop on "Image Processing Using MATLAB"
6th July 2020 to 11th July 2020

St. Xavier's
Catholic College of Engineering
Chankarabada, Nagur, Kanyakumari District

Department of Information Technology
BRIGITZ
Skills Meet
proudly presents
INTERNATIONAL WEBINAR ON INTERPERSONAL SKILLS

31st July, 2020
03:00 PM to 04:00 PM (IST)

RESOURCE PERSONS:
Mr. M. John Paul, Assistant Professor, Department of IT, SCC
Mr. R. Balaji, Assistant Professor, Department of IT, SCC
Mr. V. Deepa Ganesha, Assistant Professor, Department of IT, SCC

CONVENORS:
Dr. J. Annoose, Head, Department of Information Technology, St. Xavier's Catholic College of Engineering
Er. C.M. Varun, Assistant Professor, Department of Information Technology, St. Xavier's Catholic College of Engineering

Register Online through: <https://www.sxcoe.edu.in/brigitz/>
Registration Closes on 04th July 2020, Saturday
* Seats are limited and filled based on FCRI
* Certificate will be provided

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St. Xavier's
Catholic College of Engineering
Chankarabada, Nagur, Kanyakumari District

Department of Information Technology
BRIGITZ
proudly presents
Webinar On
Open Source Software
Wednesday 14th October, 2020
04:00 PM to 05:00 PM (IST)

Guest Speaker:
Mr. T. Maria Melbin, Product Manager, Software Solutions, Chennai

CONVENORS:
Dr. J. Annoose, Head, Department of IT, SCC
Er. C.M. Varun, Assistant Professor, Department of IT, SCC

Join Live through: <https://meet.google.com/qoo-zsar-erb>

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St. Xavier's
Catholic College of Engineering
Chennai, Tamil Nadu, India

Official Inauguration
Friday 14th August, 2020
09:00 AM to 10:00 AM

Department of Information Technology
BRIGITZ
proudly presents
Intra Department Technical Symposium
TECHBETA2020
Friday 14th August, 2020

TECHNICAL QUIZ | TECHNICAL CONNECTIONS | FIND THE COMPANY

ADMISSION HELPLINE
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Program Schedule:
Prayer Song
Welcome Address
Ms. S. Santhiya, Final IT
Introduction of Chief Guest
Er. C.M. Varun, Faculty Advisor
Chief Guest Address
Mr. Rose Jehlan John,
Assistant Consultant, TCS, USA
Felicitation
Dr. J. Maheswaran, Principal
Rev. Fr. M. Francis Xavier, Rector
Dr. J. Annrose, Head, Dept. of IT
Presidential Address
Rev. Dr. M. Maria William, Correspondent
Vote of Thanks
Ms. S. Sanjana, Third IT
Join with us LIVE through the following
Google Meet Link
<http://meet.google.com/raou-vmhf-qyx>

The Department of Information Technology organized an Intra Departmental Symposium TechBeta 2020 on 14th August 2020

Achiever's Corner

DEPARTMENT OF INFORMATION TECHNOLOGY PLACED STUDENTS 2020 - 2021



Abika I
AllSec
Technologies



Alvina Cynthia
AllSec
Technologies



Alvina Cynthia
Sutherland

WHO'S NEXT?

Staff Achievements

Events

St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
12 days - Coding Skills using C
Schedule

Program Organizer (Host):
Dr. D. Hevin Rajesh

Resource Person:
1. Mrs. N. Ansgar Mary
2. Mrs. M. Geetha Jenifel
3. Mrs. A. M. Angelin Monisha Sharaan

Time: 10:00 am to 11:00 am

02-07-2020 Module 1: Basics of C Programming - Mrs. A. M. Angelin Monisha Sharaan
03-07-2020 Module 2: Decision-Making and Looping Statements - Mrs. A. M. Angelin Monisha Sharaan
06-07-2020 Module 3: Arrays, Pointers and Strings - Mrs. N. Ansgar Mary
07-07-2020 Module 4: Functions, Structures and Unions - Mrs. M. Geetha Jenifel
08-07-2020 Crack Code using Module 1: Basics of C Programming - Mrs. A. M. Angelin Monisha Sharaan
09-07-2020 Crack Code using Module 1: Basics of C Programming - Mrs. A. M. Angelin Monisha Sharaan
10-07-2020 Crack Code using Module 2: Decision-Making and Looping Statements - Mrs. A. M. Angelin Monisha Sharaan
13-07-2020 Crack Code using Module 2: Decision-Making and Looping Statements - Mrs. A. M. Angelin Monisha Sharaan
14-07-2020 Crack Code using Module 3: Arrays, Pointers and Strings - Mrs. N. Ansgar Mary
15-07-2020 Crack Code using Module 3: Arrays, Pointers and Strings - Mrs. N. Ansgar Mary
16-07-2020 Crack Code using Module 4: Functions, Structures and Unions - Mrs. M. Geetha Jenifel
17-07-2020 Crack Code using Module 4: Functions, Structures and Unions + Assessment/Feedback - Mrs. M. Geetha Jenifel

Module 1: Basics of C Programming
Data Types, Variables and Constants, Introduction - C Character Set - Identifiers and Keywords - Declaration Statement - Data Types - Variables and Constants - Structure of a C Program - Executing a C Program - Operators and Expressions, Expressions - Simple and Compound Expressions - Classification of Operators - Sample Programs

Module 2: Decision-Making and Looping Statements
Introduction - Statements - Branching Statements - Iteration Statements - Sample Programs.

Module 3: Arrays, Pointers and Strings
Introduction - Arrays - Pointers - Relationship between Arrays and Pointers - Searching - Sorting - Strings - Character Arrays - String Library functions - Command Line Arguments - Sample Programs

Module 4: Functions, Structures and Unions
Introduction - Functions - Classification of Functions - User-defined functions - Functions with Inputs and Outputs - Library Functions - Structures - Pointers to structures - Array of structures - Unions - Enumerations - Sample Programs

St. Xavier's
Catholic College of Engineering
Chennai, Tamil Nadu, India

WEBINAR

Cyber Security in Daily Life

JOIN US
to learn about the security threats we face in our daily life
<https://meet.google.com/zpp-uugi-uit>

Organized by
BRIGITZ
Department of Information Technology

28th Oct. 2020
3PM to 4PM (IST)

Speaker: Mr. Ajay R. Cyber Security Trainer, Cybernetix
Coventor: Dr. Annrose J. Head, Department of IT
Coventor: Er. Varun C.M. Faculty Advisor, BRIGITZ
Coordinator: Er. Angelin Monisha Sharaan IT Department of IT

For Queries Contact
+91 8903338226
www.sxccce.edu.in
#stxaviersmedia

Sl.No	Name of the Faculty & Designation	Details of Achievements	Sponsor
1.	Dr. Annrose J.	Best performing position in Indo-European Hackathon (IEE-Hacks2020)	IITK
		Resource Person in Webinar on Image Classification	SXCCE
		Resource Person in Webinar on CBIR and Implementation)	SXCCE
		Reviewer- Embedded Maker Movement on Work-Integra	International Journal of Electrical Engineering Education
		Resource Person in Webinar on ANN	Vivekanda Institute of Engineering, Thirucencode
2.	Dr. R. Jemila Rose	Resource Person in Webinar on ANN using Colab	Software Cell, SXCCE
		DC member	MS university
3.	Dr. G. Sahaya Stalin Jose	Reviewer - International Journal of Imaging Systems and Technology	Wiley
		Recognition Question paper setting	SRIT university
		Recognition Question paper setting	Pondicherry University
4.	Ms. Suja A. Alex	Mentor in Smart India Hackathon -2020	AICTE
		Guest Lecture on Object Oriented Programming	Jeppiaar Institute of Technology
		Resource Person in Workshop on Data Science using R	SXCCE
		Resource Person in Webinar on Data Stream Clustering with R	SXCCE
5.	Ms.M. Geetha Jenifel	Active Mentor - NPTEL Online Certification Course Programming in Java	IIT, Madras
		Resource person in Workshop on Data Science Using R	SXCCE
6.	Mr. Varun C M	Resource Person in Webinar on CART on ML	SXCCE
		Resource Person in Workshop on Web Programming	SXCCE
		Resource person in Workshop on Data Science Using R	SXCCE
7.	Ms. Josephine Usha. L	Resource Person in FDP on Cloud Computing	SXCCE
		Resource Person in FDP on Cloud Computing	SXCCE
8.	Ms. T.M. Angelin Monisha Sharaan	Examiner for International Business English Speaking	Cambridge ESOL and SXCCE

Inter College Competitions

Sl.No	Student Name	Award/Recognition
1.	Miss. Alvina Cynthia	Appreciation - Best Performing Position - Indo-European Hackathon, IIIT Kottayam, Kerala.

Intra College Competitions

Sl.No	Student Name	Award/Recognition
1.	Sanjana Satheesh.S	Third Prize – Essay Writing Tamil, SXCCE

Hack-a-thon Details

Sl.No	Student Name	Award/Recognition	Level
1	Ajay R.	Qualified First Round Participation – Breakthrough on Locked Technology, BOLT, 24 hrs Hack-a-thon, ic-ETITE'20 Conference	National
2	Akhil Jinu T.P.	Participation(Grand Finalist Team) – Smart India Hackathon-2020, AICTE,MHRD	National
3	Beni T.S	Participation(Grand Finalist Team) – Smart India Hackathon	National
4	Ajay R.	Participation(Grand Finalist Team) – Smart India Hackathon-2020, AICTE,MHRD	National
5	Viju J.K.	Participation(Grand Finalist Team) – Smart India Hackathon-2020, AICTE,MHRD	National
6	Deepthi B.S.	Participation(Grand Finalist Team) – Smart India Hackathon-2020, AICTE,MHRD	National
7	Anantha Kumar V.	Participation(Grand Finalist Team) – Smart India Hackathon-2020, AICTE,MHRD	National

Paper Presentation Details

Sl.No	Student Name	Award/Recognition	Level
1.	Alvina Cynthia.M	Paper Presentation in ICCTC2020	International
2.	Ramya. M.R	Paper Presentation in ICCTC2020	International
3.	Aswani.S Nair	Paper Presentation in ICCTC2020	International
4.	Sahaya Ebu Panisha.P	Paper Presentation in ICCTC2020	International

Internship Details

Sl.No	Student Name	Name of the Company	Duration
1.	Desi Ganesh.V	PackBugBuddy	2 months (14-12-2020 onwards)
2.	Santhiya.S	Care & Welfare	27-02-2021

Editorial Board

Editor-in-Chief

Dr. J. Annrose

Staff Editor

Prof. L. Josephine Usha

Student Editors

Ms. P. Salfiya Barfin

Ms. M. Akhilaa

Mr. A. Elia Deehik

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.