




DEPARTMENT ACTIVITIES

National Webinar on “A Compendium of Research tool” on 09-06-2020 for Research scholars, Faculty members of various departments, with the resource person Dr. V. Savithri, Assistant Professor, PG Department of Computer Science and Technology, Women's Christian College, Chennai was the resource person. Totally 144 participants were benifitted.

NEWSLETTER 20-21

- Department Activities
- Staff Activities
- Student Activities

ST. MARY'S COLLEGE (Autonomous)
Re-accredited with 'A+' Grade by NAAC
Thoothukudi-1

Department of PG Computer Science
Organize a Webinar
"A Compendium of Research Tools"
Resource Person

Dr.Savithri.V
Assistant Professor
PG Department of Computer Science and Technology
Women's Christian College
Channel-6

Registration Link: <https://forms.gle/ZdXmE8rCw3CAQk9>
Join us via Google Meet 

Date: 09/06/2020 Time: 10.30 to 11.30 A.M

PG Computer Science
Ms.C.Nayanthra Mascarenhas
Ms.S.Jenitha Jebamalar

With Special Wishes from
Dr.Sr.A.S.J.Lucia Rose ,Principal
Sr.F.MaryJoyce Baby,Director(SSC)

No Registration Fee E-certificate will be provided

St. Mary's College (Autonomous)
Re-accredited with 'A+' Grade by NAAC
Thoothukudi - 628001, Tamilnadu

**PG DEPARTMENT OF CHEMISTRY
&
PG DEPARTMENT OF COMPUTER SCIENCE**

Cordially invites you for the
**Three Days National Level FDP on
Online Teaching & Learning Tools**

Speakers

 **Ms. Mrudula Jadhav**
Assistant professor

 **Ms. Pranali Deshmukh**
Assistant professor

 **Dr. Rupali Bhujangrao Memane**
Assistant professor

Arihant College, Pune, Maharashtra.

Registration **FREE** **6th, 7th, 8th**
November 2020
4.30 - 6.00 P.M **E Certificate**
Will be
Provided

Organising Committee
Dr.J.Antony Rajam
Convener & Co-Ordinator
PG Chemistry (SSC)
Dr.C.Zozimus Divya Lobo
Ms.K.Saravananadevi
(Organising Secretary)
Ms.D.Carolin Jenitha Rachel

With Special wishes from
Sr.Flora Mary,
Secretary
Dr.Sr.A.S.J.Lucia Rose,
Principal
Sr. F.Mary Joyce Baby,
Director (SSC)

Organising Committee
Ms.C.Nayanthra Mascarenhas
Convener & Co-Ordinator
PG Computer science (SSC)
Ms.S.Jenitha Jebamalar
Ms.A.Vithya Vijayalakshmi

Registration Link <https://forms.gle/gu0D9W4V93r3ag8>

PG Department of Computer Science and Chemistry (SSC) jointly organized Three Days National Level FDP on "Online Teaching and Learning Tools" from 06-11-2020 to 08-11-2020 for Research Scholars, Faculty members. Ms. Mrudula Jadhav, Ms. Pranali Deshmukh and Dr.Rupali Bhujangrao Memane, Assistant Professors of Arihant College, Pune, Maharashtra were the resource persons. Totally 578 participants were benifitted.

DEPARTMENT ACTIVITIES

National Webinar on “AWS Cloud & Internet of Things (IoT)” was organized on 19-03-2021. Dr. A. Cecil Donald and Dr. A. Dalvin Vinoth Kumar, Assistant Professor, Department of Computer Science, Kristu Jayanti College (Autonomous), Bengaluru were the resource person. PG Students, Research Scholars and Faculty members from our own institution and from other institutions were participated. Finally 87 responses were recorded.

St. Mary's College (Autonomous)
Re-accredited with A+ grade by NAAC
Thoothukudi, Tamilnadu

PG Department of Computer Science (SSC)
Organises

National Webinar
On
AWS Cloud & Internet of Things (IoT)

Resource Person:
Dr. A. Cecil Donald *M.Sc., Ph.D., M.T.*
Assistant Professor
Department of Computer Science
Kristu Jayanti College (Autonomous)
Bengaluru

Dr. A. Dalvin Vinoth Kumar *M.Sc., M.Phil., Ph.D.*
Assistant Professor
Department of Computer Science
Kristu Jayanti College (Autonomous)
Bengaluru

No Registration Fee.
E-Certificate will be provided

Date: 19.03.2021 **Time: 10.30 am**
Meeting Link: <https://meet.google.com/cdl-dcve-esf>


Special Wishes from:
Dr. Sr. A. S. J. Lucia Rose,
Principal
Sr. F. Mary Joyce Baby,
Director (SSC)

Organising Committee:
Ms. C. Nayanthra Mascarenhas
Ms. A. Jenitta Jebamalar
Dr. A. Vithya Vijayalakshmi
For queries: marianpge@gmail.com

St. Mary's College (Autonomous)
Re-Accredited with 'A+' Grade by NAAC (4th Cycle)
Thoothukudi, TamilNadu

UG & PG Department of Computer Science
Organizes a webinar on
"INTRODUCTION TO DATA SCIENCE"

Date: April 21, 2021
Timing: 11:00AM - 12:00PM

Resource Person:

Mr. S. Kennedy
Sr. Data Scientist
Cognizant Technology Solutions
Chennai

Best wishes from:
Rev. Sr. Flora Mary (Secretary)
Dr. Sr. A. S. J. Lucia Rose (Principal)
Dr. Sr. F. Mary Joyce Baby (Director - SSC)

Organisers committee:
UG & PG Staffs

Meeting Link: <https://meet.google.com/cdl-dcve-esf>

Webinar on “Introduction to Data Science” was jointly organized with Department of Computer Science (UG) on 21-04-2021. Mr. S. Kennedy, Sr. Data Scientist, Cognizant Technology Solutions, Chennai was the resource person. UG and PG Students, Faculty members from our own institution and Research Scholar from other institutions were participated. Finally 94 responses were recorded.

Staff and Student Activities



Chapter 7

Print ISBN: 978-93-91882-73-0, eBook ISBN: 978-93-91882-61-5

Determination of Segmentation Based H.264/AVC Using Octagon and Square Search Pattern in Adaptive Group of Pictures Mode

S. Sowmyayani^{1*} and V. Murugan²

DOI: 10.9734/bplinaer/v13i4172F

ABSTRACT

A Video occupies more space than images. There are several video compression technologies which yield low data rate for faithful transmission and reproduction of videos. If the video is compressed, it occupies less space. Also, size of the video has an impact on transmission in video conferencing and other broadcasting applications. One among several video compression standards is H.264/AVC. This chapter modifies the architecture of H.264/AVC and develops a framework for video compression.

Keywords: H.264/AVC; intra prediction; macroblock; keyframes

- Our M.Sc. students have participated in various webinars through online mode.
- M.Kiruthika, II M.Sc. has completed 11 courses organized by Automation Anywhere and 7 courses organized by ICT Academy Learnathon.
- J. Pirmanayaki and S. Santhiya, I M.Sc. has achieved The Guinness World Record Event - Most users to take an online computer programming lesson in 24 hours.
- K. Puvaneswari, II M.Sc. has got First Rank for this academic year

- The Department Staffs members have participated around 17 FDPs, 40 International - National, State Level webinars, and Workshops, 2 short term courses.
- Mrs. C. Nayantra Mascarenhas have completed a MOOC Course on "Introduction to Internet of Things" with Elite Grade conducted by NPTEL.
- Dr. S. Sowmyayani have published a book chapter with ISBN No. 978-93-91882-73-0.
- Dr. A. Vithya Vijayalakshmi have acted as a resource person for an Association Meeting organised by Sri Sarada College (Autonomous), Tirunelveli.



"Education is priceless & no one can steal it from you"
-Sridevi, Co-founder & Ex-COO of GUVI

CERTIFICATE OF PARTICIPATION

This is to certify that
Santhiya S
has successfully completed participating in **The Guinness World Record Event - Most users to take an online computer programming lesson in 24 hours**
on April 24th 2021, 6PM to April 25th 2021, 6PM

S.P. Balamurugan

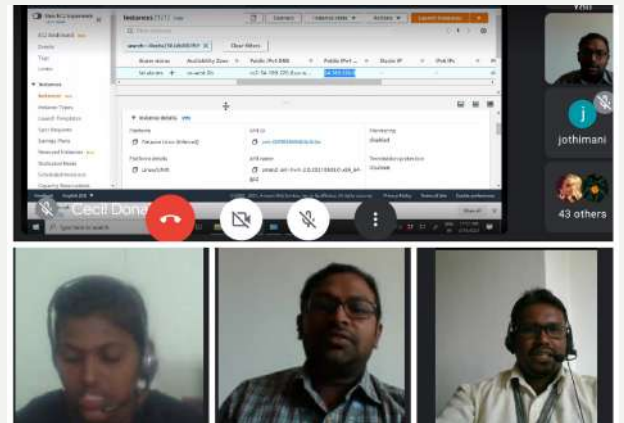
S.P. Balamurugan
Co-Founder, CEO

Valid on: May 1 2021

Valid certificate

Verify certificate at: www.guvi.in/certificate?id=69Q12BU9IN167Y581

Photo Gallery



EDITORIAL BOARD

1. Mrs. C. Nayanthra Mascarenhas
 2. Dr. S. Sowmyayani
 3. Dr. A. Vithya Vijayalakshmi
 4. Mrs. A. Jenitta Jebamalar
- Assistant Professors
PG Department of Computer
Science (SSC)



FOR MORE VISIT: [St. Mary's College \(stmaryscollege.edu.in\)](http://St. Mary's College (stmaryscollege.edu.in))