



# CHRIST ACADEMY INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

## Bridge Course Conducted

**Dates: 24th, 25th, 26th, 27th, 28th, 29th August 2020**

### **Report:**

A bridge course for newly admitted students is conducted every year by the Christ Academy Institute for Advanced Studies before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation. The syllabus for the course is framed by the respective Departments in such a way that they get basic knowledge on the subjects which they would be learning through graduation.

The Computer Science and Applications Department of Christ Academy Institute for Advanced Studies has organized a bridge course for the new BCA 2020 batch students on 24th,25th,26th,27th,28th,29th of August 2020. Bridge course started with a formal inauguration session on 24th August 2020 at 10:00 AM. The inaugural function commenced with prayer song followed by welcome address by Ms. Jithy Lijo. After that Head of the Department Dr. Sangeetha Govind had introduced all the faculty members of the department to the newly joined students. She also explained the relevance of attending the internal exams, submitting assignments and doing presentations for getting good internal marks. Ms. Sabarmathi Assistant Professor Department of Compute Science and Applications had explained the details about courseera enrollment procedure and the weightage of that in Co-curricular marks. Mr Ramesh Assistant Professor Department of Computer Science and Applications explained in detail the

A bridge course for newly admitted students is conducted every year by the Christ Academy Institute for Advanced Studies before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation. The syllabus for the course is framed by the respective Departments in such a way that they get basic knowledge on the subjects which they would be learning through graduation.

The Computer Science and Applications Department of Christ Academy Institute for Advanced Studies has organized a bridge course for the new BCA 2020 batch students on 24th,25th,26th,27th,28th,29th of August



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

2020. Bridge course started with a formal inauguration session on 24th August 2020 at 10:00 AM. The inaugural function commenced with prayer song followed by welcome address by Ms. Jithy Lijo. After that Head of the Department Dr. Sangeetha Govind had introduced all the faculty members of the department to the newly joined students. She also explained the relevance of attending the internal exams, submitting assignments and doing presentations for getting good internal marks. Ms. Sabarmathi Assistant Professor Department of Compute Science and Applications had explained the details about courseera enrollment procedure and the weightage of that in Co-curricular marks. Mr Ramesh Assistant Professor Department of Computer Science and Applications explained in detail the

BCA syllabus, practical, theory and internal marks weightage of each subject as per the Bangalore University syllabus.

The second day of the program started with an ice-breaking session with the faculty members. The session was conducted by BCA second year and final year students. They organized many fun filled games and quizzes for freshers which helped the students to interactg with each other and knowing the faculty members in a fun-filled environment. On the same day 10:45AM to 12:00PM Ms Jithy Lijo has conducted a technical session to refresh the computer fundamental concepts which the students had learned during their pre-university level.

The third day from 9:00 AM to 10:15 AM Dr. Sangeetha Govind had taken a session on networking essentials followed by a session from 10:45 AM to 12:00 PM, conducted by Dr Sangeetha George on solving simultaneous equation and basics of algebra

The fourth day from 9:00 AM to 10:15 AM, Mr Jiresh had taken a session on communicative English followed by a session from 10:45 AM to 12:00 PM conducted by Ms. Sabarmathi on flavors of operating systems.

The fifth day from 9:00 AM to 10:15 AM, Mr. Ramesh had taken a session on basic programming skills followed by a session from 10:45 AM to 12:00 PM conducted by Ms. Sabarmathi on boolean algebra and logic gates.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

On the sixth day from 9:00AM to 10:15 AM online fun games were organized by final year and second year BCA students which helped the students to spend more time together and share their experience about the bridge course. From 10:45 AM to 12:00 PM talent show program was conducted to showcase the talents of newly joined students and thereby to increase the confidence of the freshers and to feel free and comfortable in the new environment. Finally, the Vote of Thanks was proposed by Ms. Sabarmati Assistant Professor Coordinator Department of Computer Science and Applications.

The bridge course training helped to refresh the concepts what they have studied in the PU level and was useful for the students to get knowledge in their subjects and to know about the rules and regulations of the college and break down the communication barriers caused by remote working.



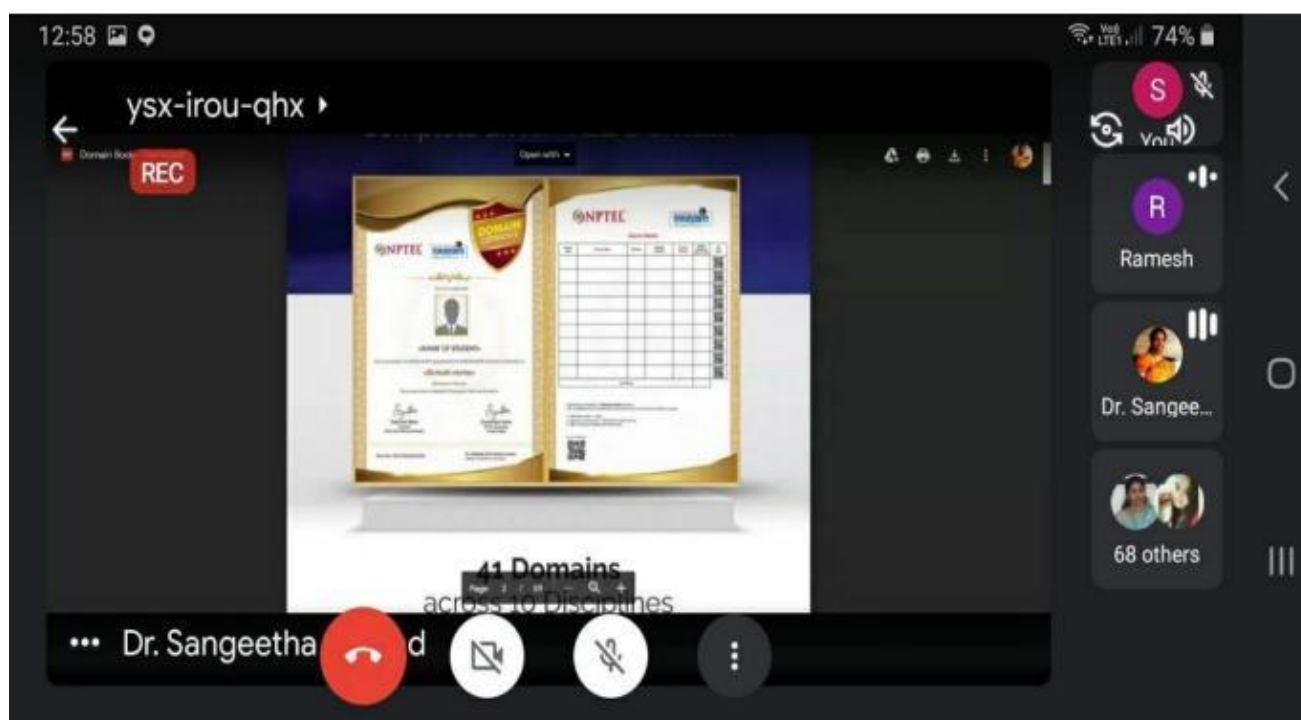
# CHRIST ACADEMY INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

## Orientation On NPTEL

**Date: 21 October 2020**



### **Report:**

The Orientation On NPTEL program was organized on 21 st October 2020 as a virtual event on Google Meet. The theme of the Event was 'Orientation On NPTEL'. The Commencement of the Event began at 12:30 pm which was hosted by Dr. Sangeetha Govind, HOD, Computer Science and included a complete explanation of the NPTEL program. The orientation program included the details of enrolment to the course, different domains available, duration of the course, fees structure of the course, Certification of the course, scope of having the NPTEL certification with the degree certificate in the present industries, ease of carrying the course with the academic curriculum, procedure of taking up the selected domain exams and the monitoring provided by an internal mentor from CAIAS.



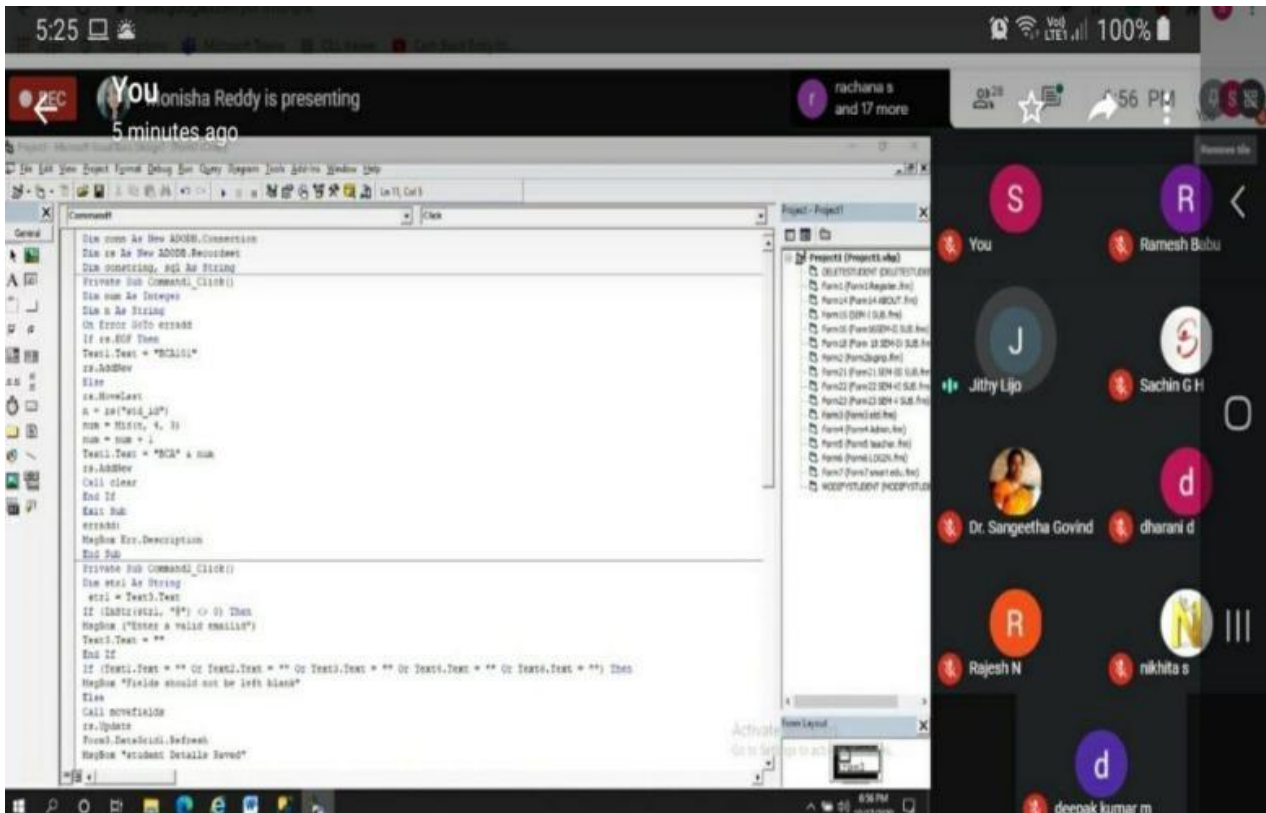
# CHRIST ACADEMY INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

## Invited Talk on Project connectivity

Date: 17th October 2020



### Report:

The Project Connectivity program was organized on 17th October 2020 as a virtual event on Google Meet. The theme of the Event was 'Project Connectivity'. The Commencement of the Event began at 6 pm which was hosted by Mrs. Jithy Lijo, Faculty, Computer Science and included a complete explanation of data connectivity with the example shown by Faculty Mrs. Jithy Lijo using VB 6.0 and SQL Sever as the DataBase. Students were able to view the way declaring the connection string, open the connection string, Add, Modify, Delete the data from the forms to the database in SQL Server and view the same in forms with the help of data grids present in the form.



# CHRIST ACADEMY

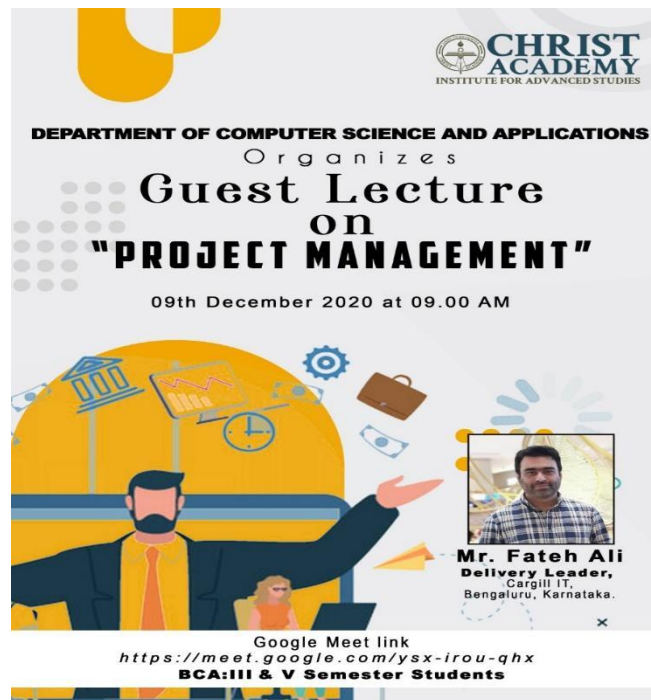
## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Project Management

Date : 09th December 2020



#### Report:

The Guest Lecture organized by the Department of Computer Science & Applications began at 09.00 am on 09<sup>th</sup> of Dec, 2020. It began by welcoming the Resource Person Mr. Fateh Ali, Delivery leader, Cargill IT, Bangalore and the participants. Mr. Fateh Ali then took over the session and talked about What's happening in 2020 – How Covid has changed IT world to the participants in a comprehensive and detailed manner. It included the Unit plan, Site plan, strategy – MADJV, R&D, New Developments, Technology RoadMap, Application lifecycle plan of MNC's. Through his lecture, Mr. Fateh Ali gave a detailed Organizational Business Processes. He began by clarifying on the different Business Processes L1, L2, L3 protocols of MNC's and the Phases of and IT Project. He highlighted on the functioning of each phases Pre Project (Pre-Deployment), Requirement confirmation, Solution Confirmation, Design, Build, Integration Test, UAT, Cutover and further explained their features. He used real time example to demonstrate the concepts throughout and so invigorated the session. This was followed by a very interactive question answer session. Finally, Mr. Fateh Ali was thanked for an enlightening session and the Guest Lecture was brought to a close.





# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### An orientation on choosing a Research Topic

Date: : 07th December 2020

CHRIST ACADEMY  
INSTITUTE FOR ADVANCED STUDIES

Department of Computer Science and Applications  
Organizes  
webinar on  
**An orientation on choosing a Research Topic**

by in-house faculty  
07-12-2020, 9.00am to 9.40am  
Audiences: IBCA and III BCA students

Dr. Salma Firdose  
Assistant professor  
CAIAS

Link:<https://meet.google.com/lookup/fgxooeungj?authuser=0&hs=179>

### Report

An orientation on choosing a Research Topic webinar session was held on 7th December 2020 by Dr. Salma Firdose for I BCA and III BCA students. The session started with an introduction about importance of Research in academics, followed by brief explanation on the advantages of writing a Research Paper. A detailed explanation was given on how to choose a research topic concept by giving the definition of different headings of a research template. The speaker also shared few sources for choosing a research topic. An explanation was given on how to start writing a Research Paper, importance of selecting a right topic.



# CHRIST ACADEMY

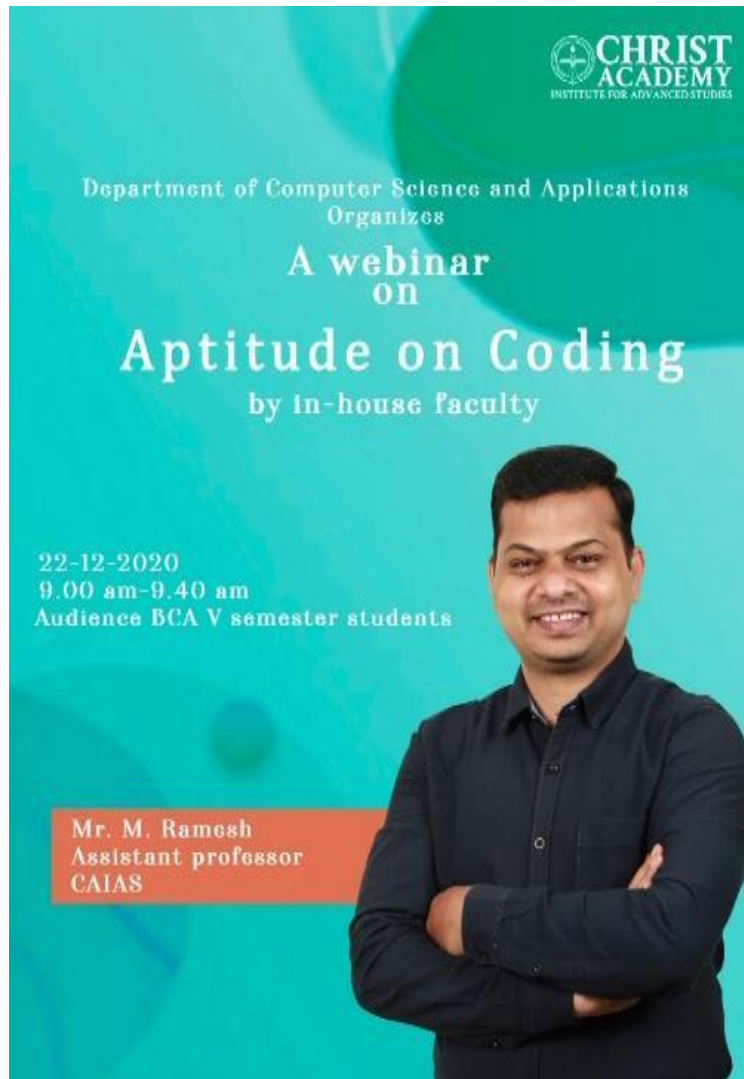
## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Aptitude on Coding

**Date: : : 22nd December 2020**



<https://meet.google.com/lookup/gdnibngbjt?authuser=28hs-170>

### **Report**

Aptitude on Coding webinar session was held on 22nd December 2020 by Dr. Salma Firdose for V BCA students. The session started with an introduction about how Aptitude tests inculcate many factors like Numerical reasoning, verbal reasoning, abstract reasoning, speed, accuracy, and other such abilities. Most commonly these tests would ask the student a question about their Skills, Value, Likes, Dislikes and their innate abilities.





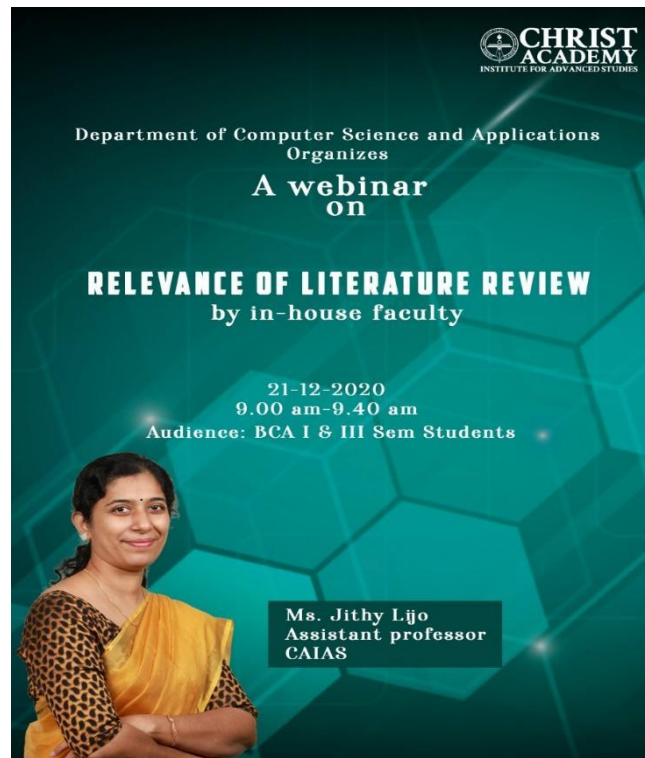
# CHRIST ACADEMY INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

## Relevance of Literature Review

**Date: : 21st December 2020**



<https://meet.google.com/hjn-izht-kad>

### **Report**

Relevance of Literature Review webinar session was held on 21st December 2020 by Mrs. Jithy Lijo for I BCA and III BCA students. The session started with an introduction about Research and its importance, followed by brief explanation on the steps in writing a Research Paper. A detailed explanation was given on Literature Review Concept by giving the definition, key outputs of a Literature Review like Theory, Methodology and Research Gap, and about the two steps of Literature Review Process, followed by an explanation about the purpose of Literature Review. The speaker also shared few sources for Literature Review and few resources for Downloading Research Papers. An explanation was given on how to write a Literature Review Paper, importance of Plagiarism, the need of Paraphrasing and Citation. The session was enlightening, meticulous, systematic, giving insight information about various aspects of writing Literature Review.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Aptitude & Reasoning

Date : 15th December 2020

CHRIST ACADEMY  
INSTITUTE FOR ADVANCED STUDIES

Department of Computer Science and Applications  
Organizes  
A webinar  
on  
**Aptitude & Reasoning**  
by in-house faculty

15-12-2020  
9.00 am-9.40 am  
Audience BCA V semester students

Ms. Sabarmathi G  
Assistant professor  
CAIAS

<https://meet.google.com/tej-jkyc-tnx>

### Report

Aptitude and reasoning webinar session was held on 15<sup>th</sup> December 2020 by Mrs Sabarmathi G for V BCA students. The session started by sharing the introduction of aptitude and reasoning. It covered the various types of aptitude and the related jobs that adopt the mode of aptitude in their selection process were discussed elaborately. Some examples of aptitude questions were also solved in this session to get an idea in the type of questions.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Network Models: Vulnerabilities and Controls

**Date :11th January 2021**



**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS**  
Organizes

**Guest Lecture**  
on

### **Network Models - Vulnerabilities And Controls**

11-01-2021,10:00 am to 11:00 am

Audience:V BCA Students



Speaker

**Nischal Vasudev**  
*Lead System Engineer,  
Cerner Solutions India PVT.*

**Link:**<https://meet.google.com/ysx-irou-qhx>



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Report :

The Guest Lecture organized by the Department of Computer Science & Applications began at 10.00 am on 11<sup>th</sup> of Jan, 2021. It began by welcoming the Resource Person Mr. Nischal Vasudev, Lead System Engineer, Cerner, Bangalore and the participants.

Mr. Nischal Vasudev then took over the session and introduced Network Model to the participants in a comprehensive and detailed manner. It included the OSI Reference model and its seven layers which describes how information from a software application in one computer moves through a physical medium to the software application in another computer. Through his lecture, Mr. Nischal gave a detailed introduction to OSI Reference model. He began by elucidating on the different layers of OSI Reference model and the functions of each layer. He emphasized on the responsibilities of each layer and further the service provided to the next successive layer. Next, he discussed the functionality of each layer with the help of block diagrams showing the data format and the protocols involved in different layers. He used real time example to demonstrate the concepts throughout and so invigorated the session.

This was followed by a very interactive question answer session. Finally, Mr. Nischal was thanked for an enlightening session and the Guest Lecture was brought to a close.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### ALOHA: A family of contention protocols

Date: 18th January 2021



**CHRIST  
ACADEMY**  
INSTITUTE FOR ADVANCED STUDIES

**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS**

Organizes

Guest Lecture  
on

**“ALOHA - A family of contention protocols”**

**18-01-2021, 11:30 am to 12:30 pm**

Audience: III BCA & V BCA Students

Link for webinar

<https://meet.google.com/lookup/di7gt6ajab?authuser=0&hs=179>



**Speaker:**

**Dr. B.G. Prashanthi**

*Associate Professor*

*Department of Computer Science*

*St. Josephs college*



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Report

The Guest Lecture organized by the Department of Computer Science & Applications began at 11.30 am on 18<sup>th</sup> of Jan, 2021. It began by welcoming the Resource Person Dr.B.G. Prashanthi, Associate Professor, Department of Computer Science, St. Josephs college, Bangalore and the participants. Dr.B.G. Prashanthi then took over the session and introduced ALOHA to the participants in a comprehensive and detailed manner. It included the classification of multiple access protocols and how it is broadly classified into three categories random access protocols, controlled access protocols and channelization protocols. Through her lecture, Dr.B.G. Prashanthi gave a detailed sub classification of each category. She began by expounding on the different protocols of MAC and the functions of each protocol. She highlighted on the functioning of each protocol and further the features of pure ALOHA, Slotted ALOHA, CSMA, CSMA/CD, CSMA/CA, Reservation, Polling, Token Passing, FDMA, CDMA, and TDMA were explained. Next, she discussed the functionality of each protocol with the help of block diagrams showing the methods involved in different protocols. She used real time example to demonstrate the concepts throughout and so invigorated the session. This was followed by a very interactive question answer session. Finally, Dr.B.G. Prashanthi was thanked for an enlightening session and the Guest Lecture was brought to a close.





# CHRIST ACADEMY

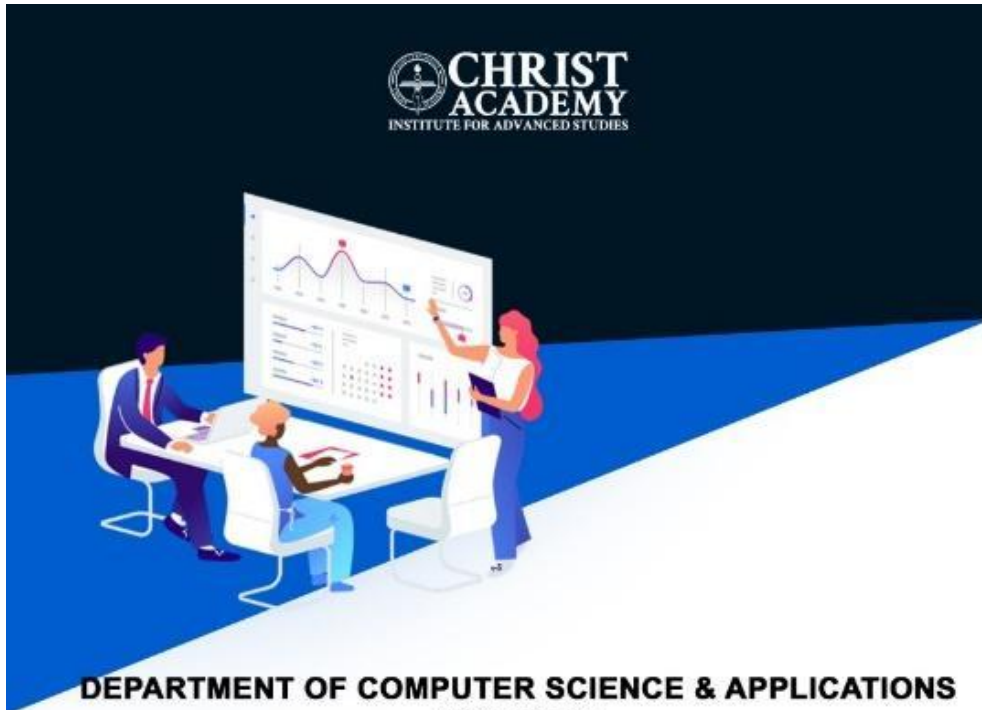
## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Hand's on Tally

Date : 10th February 2021



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
Organizes

## Guest Lecture on 'Hands-on Tally'

10-02-2021 at 09:00 AM

BCA III Semester students



**F. SHAKIR AHMED.**  
M.Com,MA,MPhil, (P.hD)  
Assistant Professor  
Department Of Commerce  
HKBK Degree College

<https://meet.google.com/lookup/foyf2uw2o5>



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Report

The Guest Lecture organized by the Department of Computer Science & Applications began at 09.00 am on 10<sup>th</sup> of Feb 2021. It began by welcoming the Resource Person Mr. F. Shakir Ahmed, Assistance Professor in the Department of Commerce at HKBK Degree College, Bangalore and the participants.

Mr. F. Shakir Ahmed then took over the session and talked about the fundamentals of accounting vouchers to the participants in a comprehensive and detailed manner. It included the creation of company, different shortcut keys for different features of tally, the creation of single, multiple ledgers and different type of vouchers. Through his lecture, Mr. F. Shakir Ahmed took two problems of Tally where he gave a detailed step of solving the same. He began by clarifying on the different journal entries with respect to the categories under which they fall and how they must segregate the creation of ledgers w.r.t the given problem, make the entries in the different vouchers accordingly i.e. either receipt, payment, purchase, sales, contra etc. He highlighted on the functioning of each element in gateway of tally and further explained their features. He used tally problem example to demonstrate the concepts throughout and so invigorated the session.

This was followed by a very interactive question answer session. Finally, Mr. F. Shakir Ahmed was thanked for an enlightening session and the Guest Lecture was brought to a close.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Accounting Fundamentals

**Date : 02<sup>nd</sup> March 2021**

CHRIST ACADEMY  
INSTITUTE FOR ADVANCED STUDIES

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS  
Organizes

Guest Lecture  
On  
Accounting Fundamentals  
02.03.2021, 9:00 AM to 10:30 AM  
Audience: III BCA Students

**Speaker**



Ms. Reny Raphael P  
Assistant Professor  
Department of Commerce  
CAIAS  
Bangalore-083

### Report

A Guest Lecture on “Accounting Fundamentals” session was held on 3<sup>rd</sup> March 2021 by Ms. Reny Raphael P, Assistant Professor, Department of Commerce for III BCA students. The session started with an introduction about fundamentals of accounting, followed by brief explanation on the basic concepts of accounts. A detailed explanation was given on how to make the journal entries and select the different accounting vouchers, the type of accounts under which the different ledger falls including golden rules. The speaker also shared the rules of maintaining the trial and final balance. An explanation was given on how to prepare a balance sheet with the examples. This was followed by a very interactive question answer session.



# CHRIST ACADEMY

## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### Awareness of Developers Student Club and Google Summer of Code

**Date : 10th March 2021**



#### **Report:**

The Peer Teaching session organized by the Department of Computer Science & Applications began at 10.30 am on 10<sup>th</sup> of March, 2021. It began by welcoming the Resource Persons Mr. Poornachandra Kashi, Mr. Manjunath D, Mr. Mayukh Sil, Mr. Akhel P and Ms. Akshita Sharma Google DSC, Bangalore, and the participants. Mr. Mayukh Sil then took over the session and introduced about Google DSC ,the benefits of being a Google DSC member and then Mr. Manjunath D talked about the working of Google DSC and gave an idea about building a profile for a bright future in IT field . Later the session was taken over by Mr. Poornachandra and Mr. Akhel P who conducted few games and made the session very interesting Later the session was followed by Ms. Akshita Sharma who gave an overview of how to build a strong and a good profile in GitHub and inspired the students very well. The session included their achievements and professional experience of being in Google DSC, how it helps to create various projects and about the various events like hackathon conducted by Google DSC. This was followed by a very interactive question answer session. Finally, all the speakers were thanked for an enlightening session and the Peer Teaching session was brought to a close.



# CHRIST ACADEMY


## INSTITUTE FOR ADVANCED STUDIES

AFFILIATED TO BANGALORE UNIVERSITY ||| BENGALURU - 83 |||

ISO 9001 : 2015 Certified || Recognised Under Section 2(f)

### In-House Faculty Hands on Workshop

**Date : 8<sup>th</sup> February 2021**

 **CHRIST ACADEMY**  
INSTITUTE FOR ADVANCED STUDIES

RESEARCH PROMOTION CELL  
Organizes

A Hands-on Workshop  
On

**Basics of R Programming**

Feb **08** 2021  
10.40 am

For  
**V Sem BCA Students**

Resource Person  
**Dr. Rose Joseph**  
Associate Professor, Department of Mathematics  
CAIAS

### **Report**

Basics of R Programming Hands on Workshop session was held on 8th February 2021 by Dr. Rose Joseph for V BCA students. The session started with an introduction about basics of R programming which inculcate the use of R studio software with the help of few example program like plotting a graph, regression, scattered plotting, and basic calculations. Students were able to practice all the basic commands in the lab with the help of the R studio software and the session gave a hand on working with same for basics of R programming.