



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (AUTONOMOUS)

College with Potential for Excellence
Linguistic Minority Institution. Affiliated to University of Madras
Arumbakkam, Chennai - 600 106

TRANSCODE FORUM

DEPARTMENT OF COMPUTER SCIENCE



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (AUTONOMOUS)

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Arumbakkam, Chennai - 600106

TRANSCODE FORUM

DEPARTMENT OF COMPUTER SCIENCE

Where it all started?

Transcode Forum is a committee for the students of computer science department initiated by the former Head of the Department **Dr. S. Santhosh Baboo** on September 2016. He thought that students need to excel not only in academics, but also in other cultural activities. This helped students to be more and more involved into both academics as well as extra curricular activities. The committee members were assigned with different roles and duties. All staff members mentored and worked with the students and guided them in a right direction. This helped the teachers and the students to understand each other. The forum members together have conducted various webinars and events.



Dr. S. Santhosh Baboo
Principal



FROM PRINCIPAL'S DESK

"Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution."

-Albert Einstein

The term computing covers every kind of digital technology that we use to create, store, communicate, exchange and use information. This makes it the foundation for small and large businesses to build their strategies and grow. It is also the key to making our personal lives easier and more fun: mobile phones, online shopping, social media - we owe them all and a lot more.



Dr.S.Santhosh Baboo

Principal



From Hod's Desk

Today we find that information technology has become overwhelmingly pervasive, while its parent, computing science, has become correspondingly have shifted focus from core CS and become specialty providers for the IT industry, or else please permit me to say these mass producers of vocationally trained personnel, a few institutions continue to emphasize the pristine science underlying the diverse aspects of computing. This is the single most important attribute of the education offered here. Our department has remained true to the vision on which it was founded



Mrs.A.Vijayalaskmi
HOD i/c

DATA ANALYTICS

02-06-2020

The Department of Computer Science (BSc), has conducted an Student's Enrichment Programme on 02/06/2020 on the topic "OPPURTUNITIES FOR THE FRESHERS IN DATA ANALYTCS" by Mr.Ahamed Khalid.

Mr.Ahamed Khalid is an IIM-Bangalore Alumni with over 12 years of experience in training sales and marketing. Business development across different domains currently.He is the Vice President of imarticas learnings.

This event has been conducted especially for our students .The Event went on successfully with more participants.The feedback and responses of the students were so good.We are planning to conduct events like this especially for the students to enhance their knowlege with the current scenario topics.The Event has been conducted by Mr.Ahamed Khalid,Vice President "Imarticas Learning",Chennai.The Event has been conducted through Online mode using "GO TO MEETING".



CRACK THE WHIZ

05-06-2020

-

07-06-2020



The Department of Computer Science (BSc) has conducted a National Level E-Quiz (crack the whiz) on the topic "UGC Net Paper 1" from 05th - 07th June 2020. The E-Quiz went on successfully with 448 responses and 294 certificates were generated successfully. The certificates were issued for the participants who have scored more than 50% in the E-Quiz. The feedback and responses of the participants were so good.

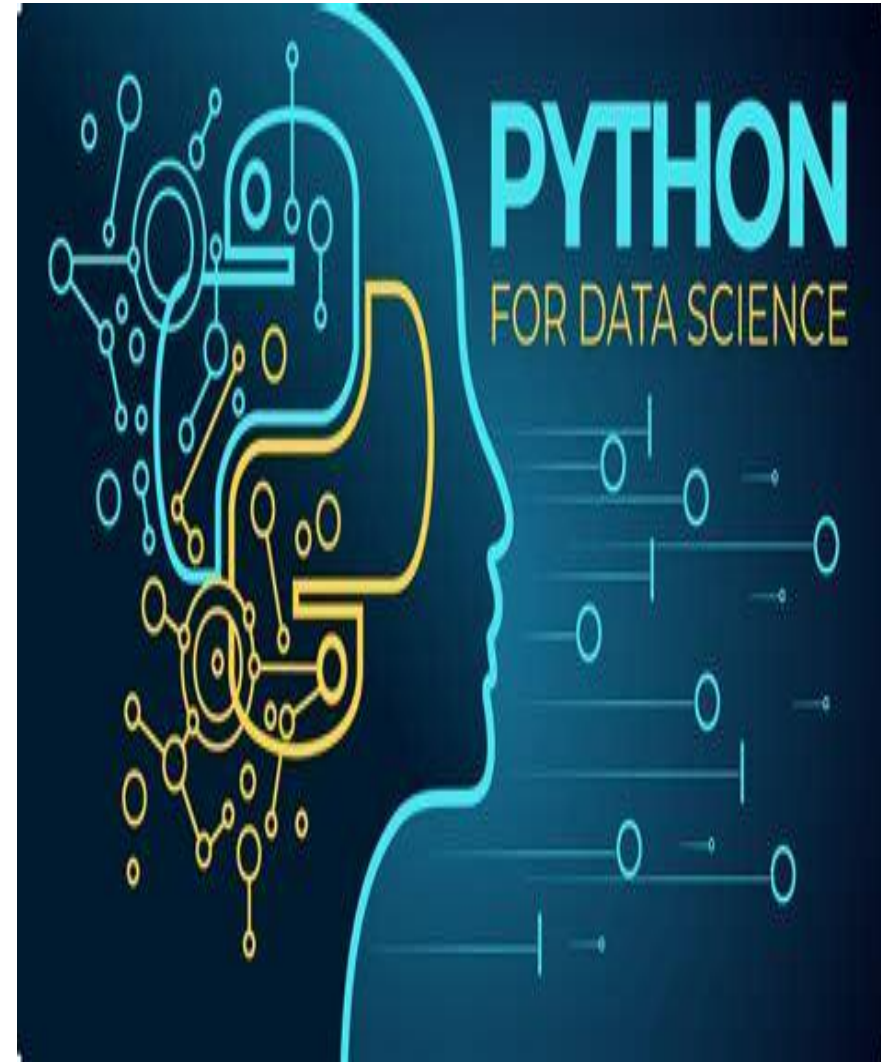
THE QUIZ

PYTHON

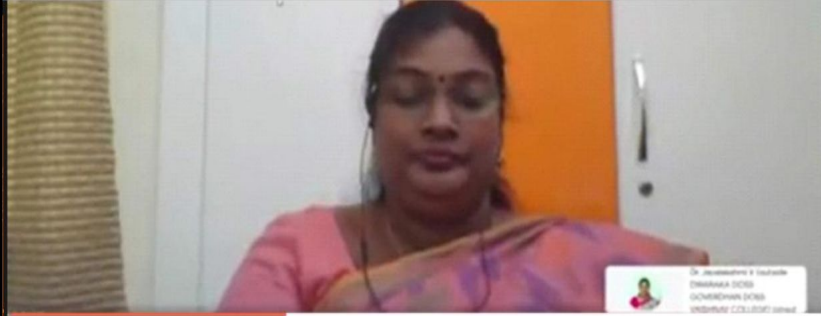
26-09-2020



The Department of Computer Science (BSc), has conducted a workshop on 26/09/2020 on the topic "PYTHON PROGRAMMING". This workshop has been conducted especially to enhance Python Programming knowledge to our students. The workshop went on successfully with more participants. The feedback and responses of the students were so good. We are planning to conduct such events in future in order to enhance the knowledge of the students related to the current scenario topics. The Workshop to the current scenario topics. The Workshop has been conducted by Mrs. Ramisha Rani, M.Tech, Data scientist, Alcl, Royapettah, Chennai. The Event has been conducted through online mode using "Zoom Meeting".



INTERNET OF THING 17-10-2020



The department of Computer Science (BSc) conducted a Pedagogy on 17/10/2020 titled "Security Challenges on Internet of Thing". The Program was conducted through online mode using "YouTubeLive Stream". The impact of recent technology in security challenges on a lot in the living environment was discussed in the session. The Speaker of the session Dr. V. Jaya Lakshmi MCA., MPhil., NET, SET, PhD, Professor, Department of Computer Application - PG, Schools of Computing Science, VISTAS, presented the keynote address on "Security Challenges on Internet of Thing".

Fostering trust and security of our connected digital devices, the Internet of Things, stands first in priority. We need a common approach to all aspects of cybersecurity that also considers the context in which a lot of products and services operate. The complexity of a lot and its resulting cybersecurity challenges call for a smart and multi-stakeholder approach.



CLOUD BASED CRM

31/10/2020



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
College with Potential for Excellence
Ungaut's Minority Institution, Affiliated to University of Madras
Ambikapuram, Chennai - 600 081

DEPARTMENT OF COMPUTER SCIENCE

Students Forum - **TransCode**
Organizes a Colloquium
On
Future of Cloud Based CRM



Mr. N.V. LAKSHMAN CHARAN B.Sc., MBA
Manager
Exela Technologies
Chennai, India

Convener
Ms. A. Vijayalakshmi
Head U/c



Dr. S. Santhosh Baboo
Principal

31 - OCTOBER - 2020
4 PM



Shri. Ashok Kumar Mundhra
Secretary

<https://www.vardha.com/acad/Event/Details.htm>

The Department of Computer Science (B.Sc.) conducted a Webinar on 31/10/2020 titled "Future of cloud based CRM". The Program was conducted through online mode using "YouTube Live Stream".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr.N.V. Lakshmi charan B.Sc., MBA ., an energetic, self-motivated and result oriented IT professional with over 11+ years of overall IT experience in which over 7+ years of experience in Sales force CRM,

including work experience in many client locations and having experience with CPQ for around 2 years presented the keynote address on "Future of cloud based CRM".

The speaker has discussed about Cloud based CRM systems. It is one of the fastest growing categories of enterprise software solutions today. Right from startups and SMBs to big global enterprises, marketing and sales teams are adopting easy to use cloud based CRM technology to acquire new customers, retain the old, enhance customer experience, and find new customer-centric data driven insights that are paving the path for strategic changes in their companies.

We thank our Management, our Secretary and our Principal for giving us this opportunity to conduct such events.





Students Forum - TransCode

Organizes a National Webinar On

Information Security and Digital Technology



Mr. A. VENKATACHALAM SUBRAMANIAM

B.Sc, MFM, FIII, Currently pursuing PhD
Independent Consultant

Ex- Global Service Delivery Head - Capgemini
Bangalore, India

Organizer
Dr. T. N. Aruna



Dr. S. Santhosh Baboo
Principal



Shri. Ashok Kumar Mundhra
Secretary


 <https://www.youtube.com/watch?v=wwagmgSNUK0>

The Department of Computer Science (B.Sc.) organized a National Webinar on 24/10/2020 titled “Information Security and Digital Technology”. The program was conducted through online mode using “YouTubeLive Stream”. The impact of cybersecurity, the risks behind it and latest technology that are used in cybercrime was discussed in this session. The speaker of the session, Mr.A. Venkatachalam Subramaniam, BSc, MFM, FLLL, Currently pursuing PhD, Independent Consultant, Ex-Global Service Delivery Head-Capgemini, Bangalore, India presented the keynote address on “Information Security and Digital Technology”

Cybersecurity is a growth market. Cyber attacks are increasing in frequency, sophistication, and impact as information security perimeters expand with new devices and cloud applications. IT and Information Security need to anticipate and respond with at least equal energy and innovation




TRENDS IN TECHNOLOG'S 19-05-2021

 **DWARAKA DOSS GOVERDHAN COLLEGE (AUTONOMOUS)**
College with Potential for Excellence
Linguistic Minority Institution, Affiliated with University of Madras
Arumbakkam, Chennai - 600 106

DEPARTMENT OF COMPUTER SCIENCE (B.Sc.)

Students Forum - TransCode


Webinar Series - 17
Students Enrichment Programme
on
Recent Trends in Technologies




Mr. T. Nalan B.Tech
CyberNaut Technologies

Ms. A. Vijayalakshmi
Convener & Head I/c

Dr. T.N. Aruna
Organizer

 **Dr. S. Santhosh Baboo**
Principal

19th May, 2021
4.00 pm

 **Shri. Ashok Kumar Mundhra**
Secretary

Students Forum Members

B. Sahith President	J. Harsh Vice President	T. Karika Secretary	K. Jagadeesh Joint Secretary
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To Join: <https://www.linkedin.com/company/cybernauttechnologies>

titled "Recent Trends in Technologies". The Program was conducted through online mode using "Google Meet".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr. T.Nalan is working as a Admin at Cybernaut Technologies. The speaker has discussed about Recent Trends in Technologies. He spoke about LinkedIn and the programming language Python. LinkedIn is an online platform that connects the world's professionals. A complete LinkedIn profile will summarize your professional experience to your connections, current and future employers, and recruiters. Through your profile, you can showcase your professional life, milestones, skills and interests.



CLOUD BASED MOBILE DEVICE MANAGEMENT

28/11/2020


DHARMA DOSS GOVERNMENT ARTS COLLEGE
(AUTONOMOUS)
College of Higher Education
Vengaloor, Kanyakumari District, Kerala
Kanyakumari District - 695 012

DEPARTMENT OF COMPUTER SCIENCE
Students Forum - TTRANS JODE
Organizes an International Webinar
on
Cloud Based Mobile Device Management


Mr. Jayakanthan Ethirajan
Assistant Consultant
Oracle Australia - TCS

Convener
Mr. A. Vijayakumar
Head of

Organizer
Mr. P. Revathi

The Department of Computer Science (B.Sc.) conducted an International Webinar on 28/11/2020 titled “Cloud Based Mobile Device

Management”. The Program was conducted through online mode using “YouTube Live Stream”.

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr.Jayakanthan Ethirajan. is currently working as a assistant consultant in TCS with 16 years of experience across diverse cultural environment (India, US, European, Middle east).He has worked in various sectors like Retail, Marketing, Telecom etc.,The Speaker has presented the keynote address on “Cloud Based Mobile Device Management ”.

The speaker has discussed about Enterprise mobile management or EMM which combines various facets of device management such as Mobile Device Management (MDM),Mobile Application Management (MAM), Mobile Content Management (MCM) and Mobile Identity Management (MIM).The session went on successfully with more participants.

We thank our Management, our Secretary and our Principal for giving us this opportunity to conduct such events.



ARTIFICIAL INTELLIGENCE

05/12/2020



DIWARKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (AUTONOMOUS)
College with Potential for Excellence
(Approved Minority Institution, Affiliated to University of Madras)
Autonomous Chennai - 600 030

DEPARTMENT OF COMPUTER SCIENCE
Students Forum - TransCode
Organizes a Webinar
On

Artificial Intelligence



Ms. Revathy Varadharajan B.Tech.
Delivery Manager
Tata Consultancy Service
Chennai

Convener
Mr. A. Vijayalakshmi
Head (C)



Dr. A. Sarithosh Baboo
Principal

Organizer
Mr. M.P. Sudho



Shri. Ashok Kumar Murthy
Secretary

SATURDAY
5 DECEMBER 2020
4 PM

Students Forum Members

G. Anirudh President - I & II	C. Girish Kumar Vice President - I & II	G.R. Anand Narain Secretary - I & II	S. Venkatesh Technical Co-ordinator - I & II
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<https://www.youtube.com/watch?v=9ZT2Pm>

The Department of Computer Science (B.Sc.) conducted a Webinar on 05/12/2020 titled "Artificial Intelligence - For Beginners". The Program was conducted through online mode using "YouTube Live Stream". The course content delivered in the webinar is as follows: The Speaker of the Session Ms. Revathy Varadharajan., A Conceptual thinker and experience in Architecture and Delivery management in the Banking and Finance space in Tata Consultancy Services .

She has worked with TCS over a decade and keynote address on "Artificial Intelligence - For Beginners. The speaker has discussed about" Artificial Intelligence - For Beginners "AI is in simple terms machines and computers learning, thinking and doing what human intelligence does. Instead of doing certain tasks repeatedly, with AI, machines operate from data that we feed them with to recognize human voices, use human language, drive cars or even the ability to suggest the next course of treatment. Webinar will focus on the latest and exciting innovations in all areas of Artificial Intelligence and Machine Learning research which offers a unique opportunity for the participants across the globe to meet, network, and perceive new scientific innovations. We thank our Management, our Secretary and our Principal for giving us this opportunity to conduct such events



JQUERY & BOOTSTRAP

13/03/2021



DIWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
College with Potential to Excellence
Ungrouped Minority Institution, Affiliated to University of Madras
Kumbakonam, Chennai - 605 006

DEPARTMENT OF COMPUTER SCIENCE

Students Forum - TransCode
Organizes an International Workshop

Building Modern Web Applications using jQuery and Bootstrap



Ms. Jayanthi Ganesan

MCA, MPhil,
Microsoft Certified Professional,
Senior Software Engineer,
Dallas, Texas, USA

Convener
Ms. A. Vijayalakshmi
Head / i/c

Organizer
Ms. R. Lalitha

Students Forum Members

G. Anirach
President - B3

C. Girish Kumar
Vice President - B4

N. Durgatha
Event Co-ordinator - B4

S. Venkatesh
Co-ordinator - B3

<https://www.youtube.com/watch?v=APQdPhU>



Dr. S. Sonthosh Baboo
Principal



Shri. Ashok Kumar Mundhra
Secretary

Saturday
13 March
11 AM

The Department of Computer Science (B.Sc.) conducted a International Webinar on 13/03/2021 titled "Building Modern Web Applications Using JQuery and Bootstrap". The Program was conducted through online mode using "YouTube Live Stream". The course content delivered in the webinar is as follows:

The Speaker of the Session Ms. Jayanthi Ganesan., MCA, MPhil is a Microsoft Certified Professional working as a senior Software Engineer in Dallas, Texas, USA. The speaker has discussed about Building Modern Web Applications Using JQuery and Bootstrap. It is one of the fastest growing technology. Bootstrap is a framework for front-end web development. It makes web development faster and easier. It contains HTML and CSS based design templates for various responsive front-end designing, as well as optional JavaScript plugins.


JQuery UI is a collection of GUI widgets and themes which is implemented with a JavaScript library. It is used for back-end web designing.

We thank our Management, our Secretary and our Principal for giving us this opportunity to conduct such events.




DEVELOPMENT CYCLE IN SERVER AND SERVERLESS (AWS)

15/03/2021


DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
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College with Potential for Excellence
Linguistic Minority Institution, Affiliated to University of Madras
Arumbakkam, Chennai - 600 106


DEPARTMENT OF COMPUTER SCIENCE

STUDENTS FORUM -  **TransCode**

Cordially Invites You to


SEMINAR
by our Alumni
on

**Development Cycle in
Server and Serverless(AWS)**



Speaker
Gunaseelan Sivasubramanian
Principal Software Engineer - DMI

15th March, 2021
Time: 3:00 PM

 <https://www.youtube.com/watch?v=qYREkIHhyGs>

Ms. A. Vijayalakshmi Ms. R. Lalitha Dr. S. Sathish Babu Shri. Ashok Kumar Munda
Convener, Host (s) Organizer Principal Secretary

The Department of Computer Science (B.Sc.) conducted a Alumni Webinar on 15/03/2021 titled "Development Cycle in Server and Serverless(AWS)". The Program was conducted through online mode using "YouTube Live Stream".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr.Gunaseelan Sivasubramanian is working as a Principal Software Engineer in DMI. The speaker has discussed about Development Cycle in Server and Serverless(AWS). It is one of the fastest growing technology.Serverless architecture(also known as serverless computing or function as a service, FaaS) is a software design pattern where applications are hosted by a third-party service, eliminating the need for server software and hardware management by the developer

AWS



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)

Department of Computer Science

TRANSCODE FORUM

Presents



2k21

24th March 2021

CHIEF GUEST

Ms. Kavitha Ramkumar

Founder & Proprietor - Lakhi Enterprises
President - BNI (Business Network International)
Global Charter

VENUE

SRG Auditorium, DG Vaishnav College

Ms. A. Vijayalakshmi
Head i/c

Dr. S. Santhosh Baboo
Principal

Shri. Ashok Kumar Mundhra
Secretary

Student Coordinators

Anand Narain
+91 90030 76881
Student Secretary

Girish Kumar
+91 94456 15424
Vice-President

Avinash
+91 96772 99289
President

@techcraze_dgvc

techcraze2k21.com

Name of the event : "TECHCRAZE 2K21".

Date : 24/03/2021

Venue : SRG Auditorium

Mode : Event conducted through Online and prize felicitation through offline at SRG Auditorium.

Organizers :

Faculty Coordinator : Ms. R. Lalitha

Detailed Report of the programme

"Students Forum-Department of Computer Science".
Report on Cultural Programme- Techcraze 2K21 on 24th March

"Transcode" the student Forum of the department of Computer Science, D.G.Vaishnav College conducted a cultural programme "TEHCRAZE 2K21" on 24th March 2021. The students from various department participated in the events with enthusiasm.



Forum President Mr.Avinash welcomed the gathering. This event is a combination of both technical and non-technical events. It paves an excellent way for the students to expose their talents in all aspects.

The session include Events namely General Quiz, Unveiling, Gaming, 00.00.60 Fame, Clickz. The winners were felicitated and the overall trophy was bagged by BBA Department.

The Grand Gazette of the department was released by HOD Ms.A.Vijayalakshmi and Principal S.Santhosh Baboo

The programme ended with the Introduction to the Office Bearers of the Student Forum 2021-22'.

Capt. Dr .S Santhosh Baboo, Principal of DGVC gave away the badges to the Office Bearers.

Vote of Thanks was proposed by Girish Kumar, Vice-President of Student Forum.





DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
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TRANSCODE FORUM COMMITTEE MEMBERS (2021-2022)

- | | |
|-------------------------|--------------------|
| 1. PRESIDENT: | SATHISH B |
| 2. VICE PRESIDENT: | BARATH J |
| 3. SECRETARY: | HARESH K |
| 4. JOINT SECRETARY: | JAGADEESHWARAN K |
| 5. TREASURER: | GANAPATHY RAJU K A |
| 6. ASSISTANT TREASURER: | LAVANYA S |

TRANSCODE FORUM EXECUTIVE MEMBERS

KIRITIKA T	ARUN P	NAVEEN RAJAN T	KRITHICK S	SRILEKHA M
BHARATH G	HEMANATH N M	GOPI KANNAN C	VENKATESH OJHA V	ROHITH C
JANANI P	INDHU SREE C A	LOKESH K	DINESH R	SAI SRIRAM M

Ms. A. Vijayalakshmi
 Head In-Charge

Ms. R. Lalitha
 Forum Co-ordinator

TRENDS IN TECHNOLOG'S

19-05-2021




DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
College with Potential for Excellence
Liggett's University Institute - Affiliated with University of Madras
Ambalpet, Chennai - 600 106

DEPARTMENT OF COMPUTER SCIENCE (B.Sc)

Students Forum - TransGlobe


Webinar Series - 17
Students Enrichment Programme
on
Recent Trends in Technologies



Mr. T. Nalan B. Tech
CyberNaut Technologies


Mr. A. Vijayakumar
Convener & Head of C

Dr. T.N. Aruna
Organiser



Dr. S. Sathish Baboo
Principal

19th May, 2021
4.00 pm



Shri. Ashok Kumar Mundra
Secretary

Students Forum Members

A. Laksh	A. Ansh	A. Laksh	A. Laksh
President	Vice President	Secretary	Treasurer

To join: <https://www.zoom.us/j/9201111111>

tled "Recent Trends in Technologies". The Program was conducted through online mode using "Google Meet".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr. T.Nalan is working as a Admin at Cybernaut Technologies. The speaker has discussed about Recent Trends in Technologies. He spoke about LinkedIn and the programming language Python. LinkedIn is an online platform that connects the world's professionals. A complete LinkedIn profile will summarize your professional experience to your connections, current and future employers, and recruiters. Through your profile, you can showcase your professional life, milestones, skills and interests.



CYBER ATTACK 24/04/2021

**DIWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)**
College with Potential for Excellence,
Linguistic Minority Institution Affiliated to University of Madras
Arumbakkam, Chennai - 600 106
Department Of Computer Science (BSC)
Students Forum - TransCode
Organizes a Webinar
On
Prevention Of Cyber Attack and Bullying :
Best Practice Of Internet Usage


MR. KALAI PRIYAN B.E., PGD,
Founder and Managing Director
FreeTech Cafe Technologies

DATE: 24-04-2021 TIME: 4:00 PM

Dr. T. N. Aruna ORGANIZER
Ms. A. Vijayalakshmi CONVENER, HEAD U/C
Dr. S. Sarath Baboo PRINCIPAL
Shri. Ashok Kumar Munda SECRETARY

Students Forum - Members
B. Subash President
J. Bharath Vice President
K. Harish Secretary
K. Jagadeesh Joint Secretary

JOIN NOW: <https://www.youtube.com/watch?v=kj0B8gyf1w>

The Department of Computer Science (B.Sc.) conducted an Webinar on 24/04/2021 titled The Program was conducted through online mode using "YouTube Live Stream".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr. Kalai priyan., B.E., PGD is the founder and Managing Director of FreeTech cafe technologies which provides strategic planning for business development, identifying and translating the business problems into technological solutions. The Speaker has presented the keynote address on "Prevention of Cyber attack and Bullying".

Let's first get to know about what is Cyber Attack and Bullying, Cyber bullying is a bullying that takes place over digital devices like cell phones, computers and tablets. Cyber Attack is an attempt by hackers to damage or destroy a computer network or system.

The speaker has given brief explanation about various cyber attacks which are threatening the cyber world such as brute force attack, keypad overlay, Malware attack, Dictionary attack etc. He also explained various prevention policies to protect our data from cyber attack. He has explained various topics like Ransom, DDOS, Data Theft, Data Damages. The session went on successfully with more participants.



FACULTY DEVELOPMENT PROGRAMME

31/05/2021

-

04/06/2021

Day 1: THEORY OF COMPUTATION



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(AUTONOMOUS)

College with Potential for Excellence

Linguistic Minority Institution, Affiliated with University of Madras,
Arumbakkam, Chennai - 600 106.

DEPARTMENT OF B.Sc. COMPUTER SCIENCE

Students Forum - TransCode

Invites you for the
5 Days Faculty Development Programme
on
Theory of Automata & Discrete Structures



Mr. D. Krishnakumar M.C.A., M.Phil., P.G.D.C.A., SET
Professor, Dr. Ambedkar Govt. Arts College



Dr. S. Santhosh baboo
Principal

FDP's Schedule:

DAY	TOPIC
31/05/2021	Theory of Computation(Part-1)
01/06/2021	Theory of Computation(Part-2)
02/06/2021	Compiler Design
03/06/2021	Discrete Structures(Part-1)
04/06/2021	Discrete Structures(Part-2)

Ms. A. Vijayalakshmi
Convener & Head I/c

Dr. T.N. Aruna
Organizer

31st May to 04th June
04.00 PM-05.00 PM



Shri. Ashok Kumar Mundhra
Secretary

Students Forum Members

B. Sathish J. Barath T. Kirika K. Jagadeesh
President Vice President Secretary Joint Secretary

To Join <https://www.transcode.in>

Detailed Report of the programme

“Theory of Automata & Discrete Structures”.

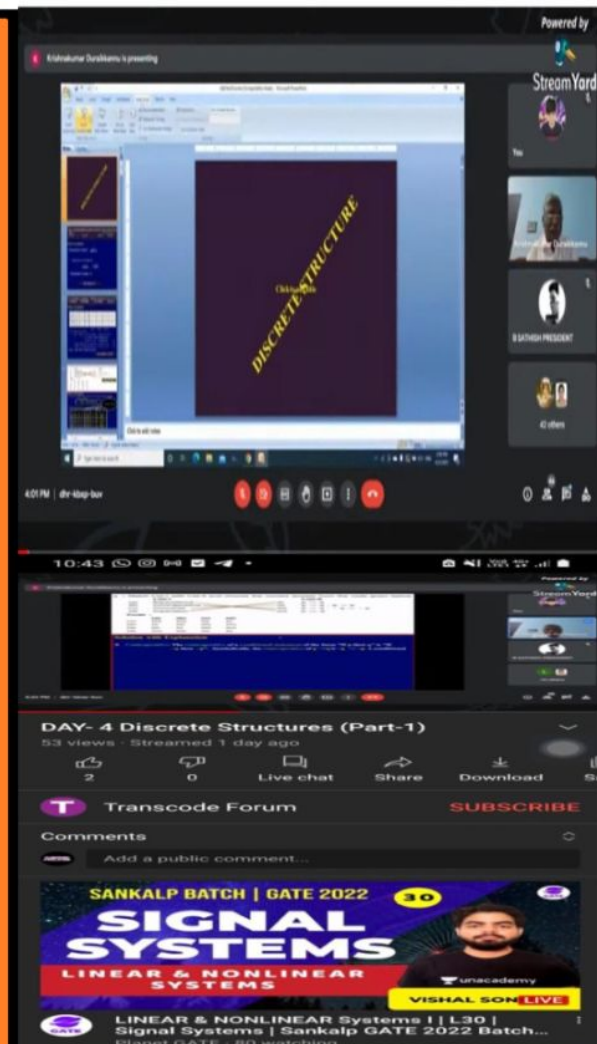
DAY 1: THEORY OF COMPUTATION(PART-1):

The Department of Computer Science (B.Sc.) conducted a FDP from 31/05/2021 to 04/06/2021 titled “Theory of Automata & Discrete Structures”. The Program was conducted through online mode using "YouTube Live Stream".

The course content delivered in the webinar is as follows:

The Speaker of the Session Mr. D Krishnakumar is working as a Professor at Dr. Ambedkar Govt.Arts College. The speaker has discussed about Theory of Computation. Automata theory (also known as Theory Of Computation) is a theoretical branch of Computer Science and Mathematics, which mainly deals with the logic of computation with respect to simple machines,

DAY 2:
Theory of
computation



Detailed Report of the programme

“Theory of Automata & Discrete Structures”.

DAY 2: THEORY OF COMPUTATION(PART-2):

The speaker has discussed about Automata which enables the scientists to understand how machines compute the functions and solve problems. The main motivation behind developing Automata Theory was to develop methods to describe and analyse the dynamic behavior of discrete systems|

Day 3: Compiler design

The screenshot shows a Zoom meeting interface. The top half features a large video feed of a man with grey hair and glasses, wearing a dark shirt and a lanyard. To his right is a vertical list of participants, including 'SATHISH PRESIDENT' and 'Arava Rajanathan'. Below the video feed is a toolbar with icons for chat, mute, video, and other controls. The bottom half of the screen displays a presentation slide titled 'Compiler Design'. The slide content includes a list of topics to be covered: (1) High-level overview of compiler design, (2) Lexical analysis, (3) Syntax analysis, (4) Semantic analysis, (5) Intermediate code generation, (6) Target code generation, and (7) Optimization. The slide also mentions 'Dr. S. Sathish' as the presenter. The Zoom interface at the bottom shows the time as 4:01 PM and the meeting name as 'dr Sathish - 401'.

Detailed Report of the programme

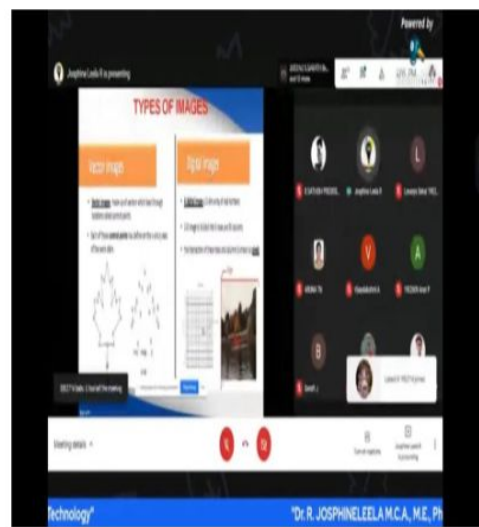
“Theory of Automata & Discrete Structures”.

DAY 3: COMPILER DESIGN:

The speaker has discussed about Compiler design covers basic translation mechanism and error detection & recovery. It includes lexical, syntax, and semantic analysis as front end, and code generation and optimization as back-end.

Day 4:

Discrete
structures

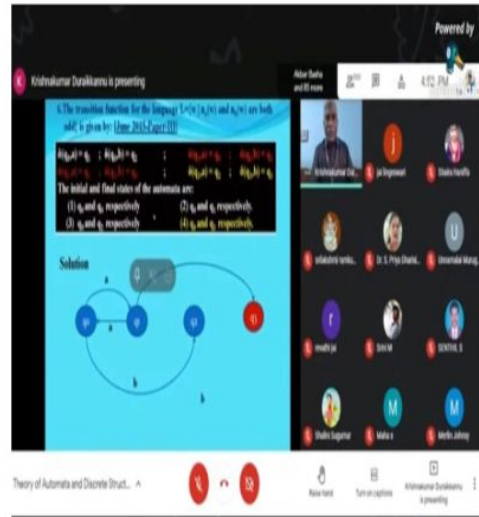


Detailed Report of the programme

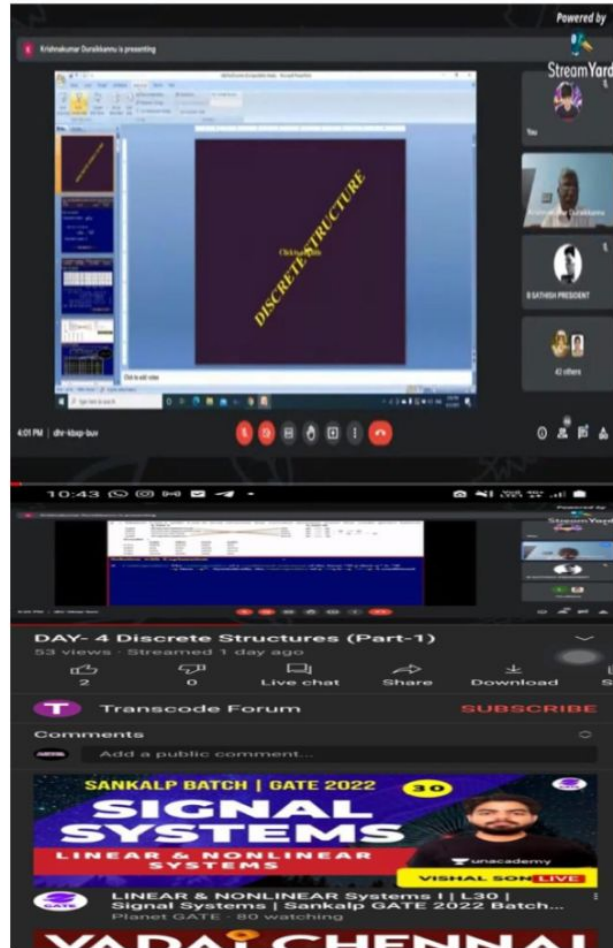
“Theory of Automata & Discrete Structures”.

DAY 4: DISCRETE STRUCTURES(PART-1):

The speaker has discussed about Discrete Structures which is a set of discrete elements on which certain operations are defined. Discrete implies non-continuous and therefore discrete sets include finite and countable sets but not uncountable sets such as the real numbers.



Day 5:
Discrete
Structures
pt-2



Detailed Report of the programme

“Theory of Automata & Discrete Structures”.

DAY 5: DISCRETE STRUCTURES(PART-2):

The speaker has discussed about Discrete Structures which covers many of the concepts of modern algebra, including integer arithmetic, monoids, semigroups, groups, graphs, lattices, semirings, rings, fields, and subsets of these.