



Guru Nanak College (Autonomous)

(Affiliated to University of Madras & Re-Accredited At "A" Grade by NAAC)
No. 161, Guru Nanak Salai, Velachery, Chennai - 600042, Tamil Nadu
Website: www.gurunanakcollege.edu.in

5.1.3 Capability Development and Skill Enhancement Activities

Awareness of Trends in Technology- Activity Report

|| 2019-20 ||

	GURU NANAK COLLEGE (AUTONOMOUS) Affiliated to the University of Madras Accredited by NAAC at "A" Grade. ISO Certified (9001 - 2015) Guru Nanak Salai, Velachery, Chennai - 600 042.
CERTIFIED DOCUMENTS	
METRIC NO. :	5.1.3
PAGE NO.	01 TO 18
 PRINCIPAL	

5.1.3 Capability Development and Skill Enhancement Activity

2019-20				
Awareness of Trends in Technology				
S.No.	Name of the Capability Enhancement Program	Date of Implementation (DD-MM-YYYY)	Number of Students Enrolled	Name of the Agencies/Consultants Involved with Contact Details (if any)
1	Virtual Reality Future Interactive Medium	29-06-2019	310	Information Technology – Master of Computer Application
2	Data Analysis Using SQL	08-07-2019	93	Information Technology – Master of Computer Application
3	Internet of Things	12-07-2019	92	Information Technology – Master of Computer Application
4	Visual Basic for Applications	18-07-2019	93	Information Technology – Master of Computer Application
5	Solar energy system, design and installation	09-08-2019 to 10-08-2019	60	Sciences – Mathematics
6	Practical Insights of Goods & Services Tax	13-09-2019	200	Commerce – PG & Research Department of Commerce
7	NMR Spectroscopy	28-01-2020	70	Sciences - Chemistry
8	Awareness Talk on Corona Virus - Prevention and Control of Epidemic Novel Corona Virus (2019-nCoV) Acute Respiratory Disease	13-02-2020	150	Sciences – Advanced Zoology & Biotechnology
9	Cloud Architecture	14-05-2020	84	Information Technology – Master of Computer Application

1. VIRTUAL REALITY FUTURE INTERACTIVE MEDIUM

Event Title	Virtual Reality Future Interactive Medium
Category	Workshop
School & Department	Information Technology – Master of Computer Application
Date	29-06-2019
No. of Resource Person	1
No. of Participants	310

Report

The Department Master of Computer Application organized One Day **Workshop** Program **Virtual reality future interactive medium** on 29-06-2019 on Guru Ramdas Ac Seminar Hall in College Campus. Department of MCA has organized workshop on “**Virtual Reality Future Interactive Medium.**” The Workshop was held on 29th June at Ramdass AC Seminar Hall in Guru Nanak College, Chennai. The chief guest for this workshop is Mr.Prem sellakumar from Image Creative Education, Chennai . He gave hands on training on VR technology to the students. The session was interactive and made all students to be motivated towards the technology.

Invitation

The invitation poster features a red and white geometric design. At the top left is the logo of Guru Nanak College. The text reads: **GURU NANAK COLLEGE (AUTONOMOUS)**, Re-Accredited at 'A' - Grade by NAAC, Affiliated to the University of Madras, Guru Nanak Salai, Velachery, Chennai - 600 042. It also includes the QAC logo. The Department of MCA cordially invites you to a **Workshop on Virtual Reality Future Interactive Medium** by **Mr. Prem Sella Kumar CS**, an AR VR MR XR Specialist from Chennai, Tamil Nadu, India. The workshop is scheduled for Saturday, 29th June, 2019 at 10.00 a.m. at the Ramdas AC Seminar Hall. The poster also mentions that Mr. Prem Sella Kumar CS has kindly consented to be the Resource Person and provide Hands-on training on VR Technology. The logo for Image Creative Education is at the bottom right.

Virtual reality future interactive Medium



Virtual reality future interactive Medium



Virtual reality future interactive Medium

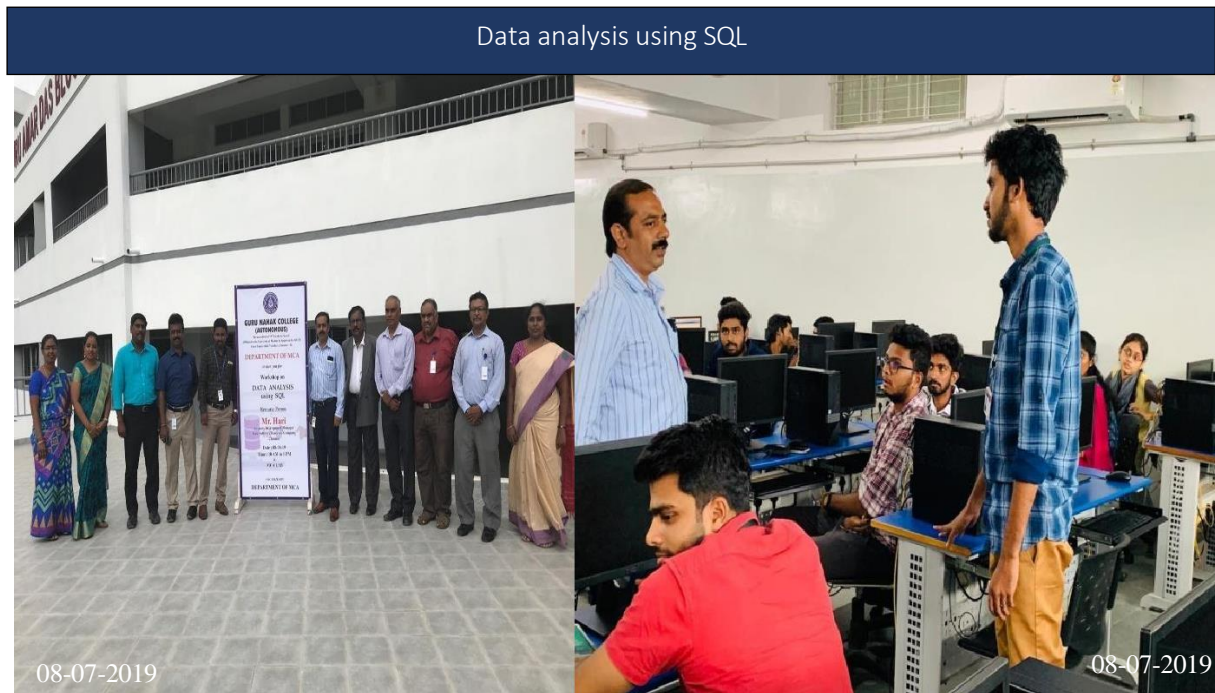


2. DATA ANALYSIS USING SQL

Event Title	Data Analysis Using SQL
Category	Workshop
Date	08-07-2019
School & Department	Information Technology – Master of Computer Application
No. of Resource Person	1
No. of Participants	93

Report

Department of MCA has organized workshop on “Data analysis using SQL.” The Workshop was held on 8- Aug at MCA Lab in Guru Nanak College, Chennai. The chief guest for this workshop is Mr.Hari from DSRC, Chennai . He has given consented to be the recourse person and gave hands on training on Data Analysis using SQL to the students. The session was interactive and made all students were motivated towards the use of technology.



3. INTERNET OF THINGS

Event Title	Internet of Things
Category	Workshop
School & Department	Information Technology – Master of Computer Application
Date	12-07-2019
No. of Resource Person	1
No. of Participants	92

Report

Department of MCA has organized workshop on “Internet of Things.” The Workshop was held on 12th July 2019 at Ramdas AC Seminar Hall in Guru Nanak College, Chennai. The chief guest for this workshop is Professor Robin Doss, Deakin University in Australia. The session was interactive and made all students to motivated towards the technology.



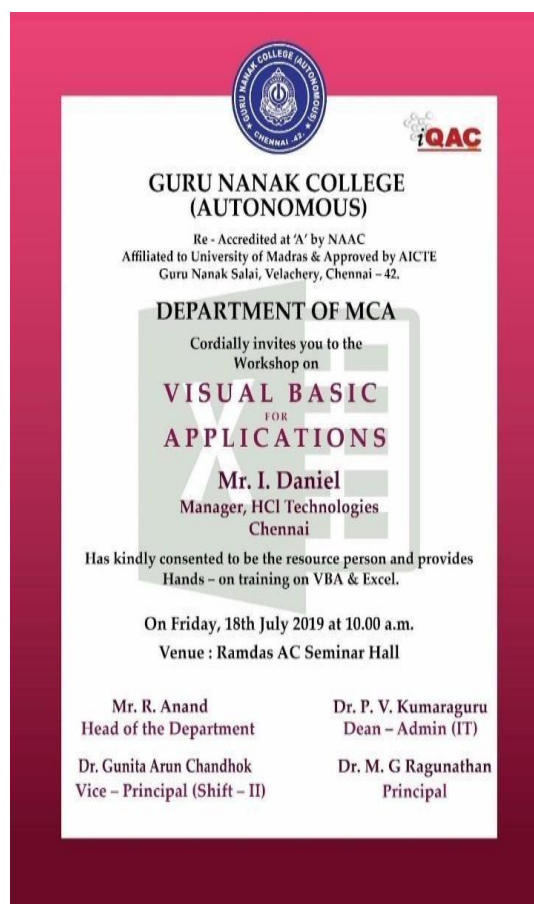
4. VISUAL BASIC FOR APPLICATIONS

Event Title	Visual Basic for Applications
Category	Workshop
School & Department	Information Technology – Master of Computer Application
Date	18-07-2019
No. of Resource Person	1
No. of Participants	93

Report

The Department of Master of Master of Computer Application organized One Day **Workshop Visual Basic for Applications** Program on 18-07-2019 Guru Ramdas Ac Seminar Hall in College Campus. The chief guest for this workshop is Mr. I. Daniel from HCL Technologies, Chennai. He has given consented to be the resource person and gave hands on training on Visual basic technology to the students. The session was interactive and made all students to be motivated towards the technology.

Invitation



The image shows an invitation card for a workshop. At the top left is the logo of Guru Nanak College (Autonomous), Chennai. At the top right is the QAC logo. The text on the card reads: 'GURU NANAK COLLEGE (AUTONOMOUS) Re - Accredited at 'A' by NAAC Affiliated to University of Madras & Approved by AICTE Guru Nanak Salai, Velachery, Chennai - 42. DEPARTMENT OF MCA Cordially invites you to the Workshop on VISUAL BASIC FOR APPLICATIONS Mr. I. Daniel Manager, HCL Technologies Chennai Has kindly consented to be the resource person and provides Hands - on training on VBA & Excel. On Friday, 18th July 2019 at 10.00 a.m. Venue : Ramdas AC Seminar Hall'. At the bottom, there are four names and titles: Mr. R. Anand (Head of the Department), Dr. P. V. Kumaraguru (Dean - Admin (IT)), Dr. Gunita Arun Chandhok (Vice - Principal (Shift - II)), and Dr. M. G Ragunathan (Principal).

Visual Basic for Applications



Visual Basic for Applications



5. SOLAR ENERGY SYSTEM, DESIGN AND INSTALLATION

Event Title	Solar energy system, design and installation	
Category	Workshop	
School & Department	Sciences - Mathematics	
Date	From :09-08-2019	To: 10-08-2019
No. of Resource Person	1	
No. of Participants	60	

Report

The Department of Physics Organized two days' Workshop Program **Solar Energy System, Design and Installation** from 09-08-2019 to 10-08-2019 in G. S Gill Hall in College Campus. Department of Physics organised a two day workshop on 9th and 10th August 2019 on "Solar energy system, design and installation" with GEMCO renewable energy sources training Institute, Chennai. Mr G.K. Shanmugasundaram Solar consultant gave the training for the most enthusiastic students. The training was filled with active participation of students and their involvement in achieving the energy consumption from their hand made solar cell. Two day workshop was inaugurated by the Principal Dr. M. G. Ragnathan on 9th August 2019 in G.S.Gill hall. After the inauguration resource person started the session in the same hall and at the afternoon the practical sessions were conducted in the physics Lab. The resource person successfully completed the training and at the end of the day the students were thrilled by drawing the current from the solar system and by glowing a bulb. The students from different departments of GNC were also actively participated in the training and received their certificates. Valedictory function was held on 10th August 2019 at Guru Ramdas seminar hall. Our Principal and CAO were appreciated the participants by issuing the certificates.

Solar Energy system, design and installation



Solar Energy system, design and installation



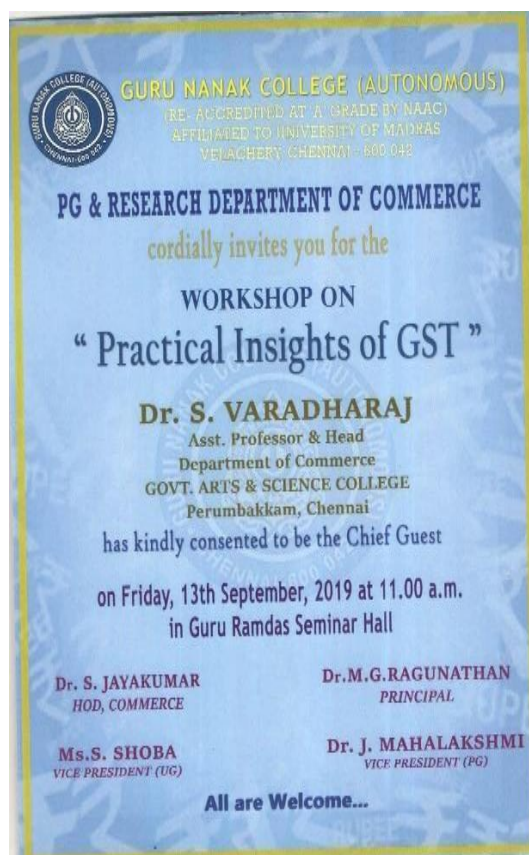
6. PRACTICAL INSIGHTS OF GOODS & SERVICES TAX

Event Title	Practical Insights of Goods& Services Tax
Category	Workshop
School & Department	Commerce – PG & Research Department of Commerce
Date	13-09-2019
No. of Resource Person	1
No. of Participants	200

Report

The PG and Research Department of Commerce has organized a workshop on “Practical insights on GST” on 13. September 2019. The objective of the workshop is to enlighten the students on insights of GST. The chief guest of the workshop was Dr. S. Vardharaj, Assistant Professor & Head, Department of Commerce, Government Arts & Science College, Perumbakkam, Chennai has kindly consented to address our II B.Com. and final year M.Com. students. Around 200 students were benefitted out of the session. The chief guest throw light on the implementation of GST across the country and detailed lecture on IGST, CGST, SGST, UTGST. He also helped the students in solving practical problems on GST.

Invitation



Practical Insights of Goods & Services Tax



Practical Insights of Goods & Services Tax



7. NMR SPECTROSCOPY

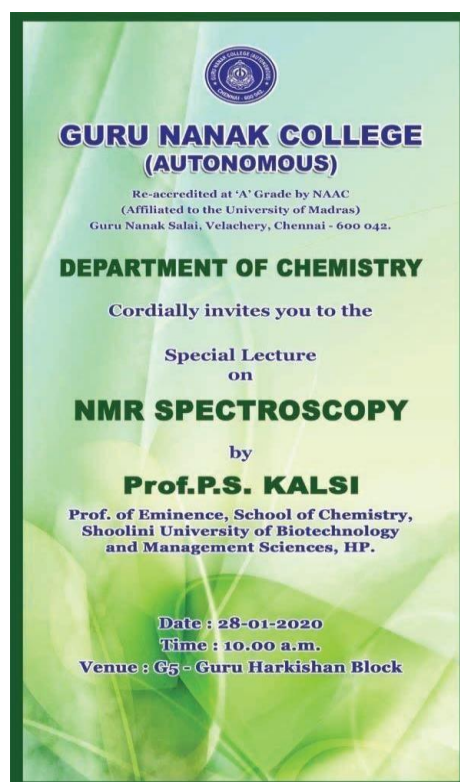
Event Title	NMR Spectroscopy
Category	Guest Lecture
School & Department	Sciences - Chemistry
Date	28-01-2020
No. of Resource Person	1
No. of Participants	70

Report

The Department of Chemistry organized One day Guest Lecture **NMR Spectroscopy** from 28- 01-2020 in Room G5 in College Campus. To commemorate the 550th birth anniversary of Guru Nanak Devji, the department of Chemistry has organized a special lecture on NMR spectroscopy by Prof.P.S. Kalsi, Professor of eminence, School of Chemistry, Shoolini University, Himachal Pradesh on 28th January 2020 at G5- Guru Harkrishan block. The Vice president of Chemistry association Ms.E.Prathibha welcomed the gathering and introduced the Chief guest. Dr. M. G. Ragunathan honoured the Chief guest.

Prof. Kalsi explained the basic principles involved in the NMR spectroscopy. He gave students the tips to solve the problems in NMR spectroscopy, that appears in NET examination. He insisted the students to read books regularly and update their knowledge in the subjects. PG students and UG students were benefited by this special lecture.

Invitation



NMR Spectroscopy



NMR Spectroscopy



Lecture Delivered by Prof. P.S. Kalsi



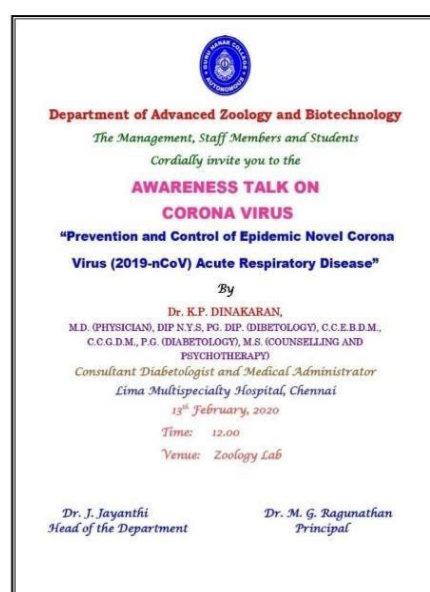
8. AWARENESS TALK ON CORONA

Event Title	Awareness Talk on Corona Virus - Prevention and Control of Epidemic Novel Corona Virus (2019-nCoV) Acute Respiratory Disease
Category	Invited Talk
School & Department	Sciences – Advanced Zoology & Biotechnology
Date	13-02-2020
No. of Resource Person	1
No. of Participants	150

Report

The Department of Advance Zoology & Biotechnology Organized one Day Invited Talk **Awareness Talk on Corona Virus - Prevention and Control of Epidemic Novel Corona Virus (2019- nCoV) Acute Respiratory Disease** From 13-02-2020 Zoology Lab in College Campus. The ultimate aim of the invited talk is to create on **Corona Virus** among the student community. For this we decided to invite the Medical Practitioner, Consultant Diabetologist of the Lima Multispecialty Hospital, Chennai, has a wide experience in the field of virology to share his experience. Around 150 students were benefitted by attending this awareness talk The Department of Advanced Zoology and Biotechnology, Guru Nanak College (Autonomous) Chennai, conducted an Awareness talk on Corona Virus “**Prevention and Control of Epidemic Novel Corona Virus (2019-nCoV) Acute Respiratory Disease**” on 13.02.2020 by Medical Practitioner **Dr. K. P. Dinakaran**, Consultant Diabetologist of the Lima Multispecialty Hospital, Chennai. He explained about the causes and its cure of Corona Virus. He also shared about the myths about the Corona Virus; it is a zoonotic virus since it is transmitted from animals to human beings. He added the nature of transmission and pathogenicity of Corona Virus. It was very interactive as students posed lot of questions related to research to cure Corona Virus and its genome analysis.

Invitation



Corona Virus – Prevention and Control of Epidemic Novel



Corona Virus – Prevention and Control of Epidemic Novel



Corona Virus – Prevention and Control of Epidemic Novel



Corona Virus – Prevention and Control of Epidemic Novel

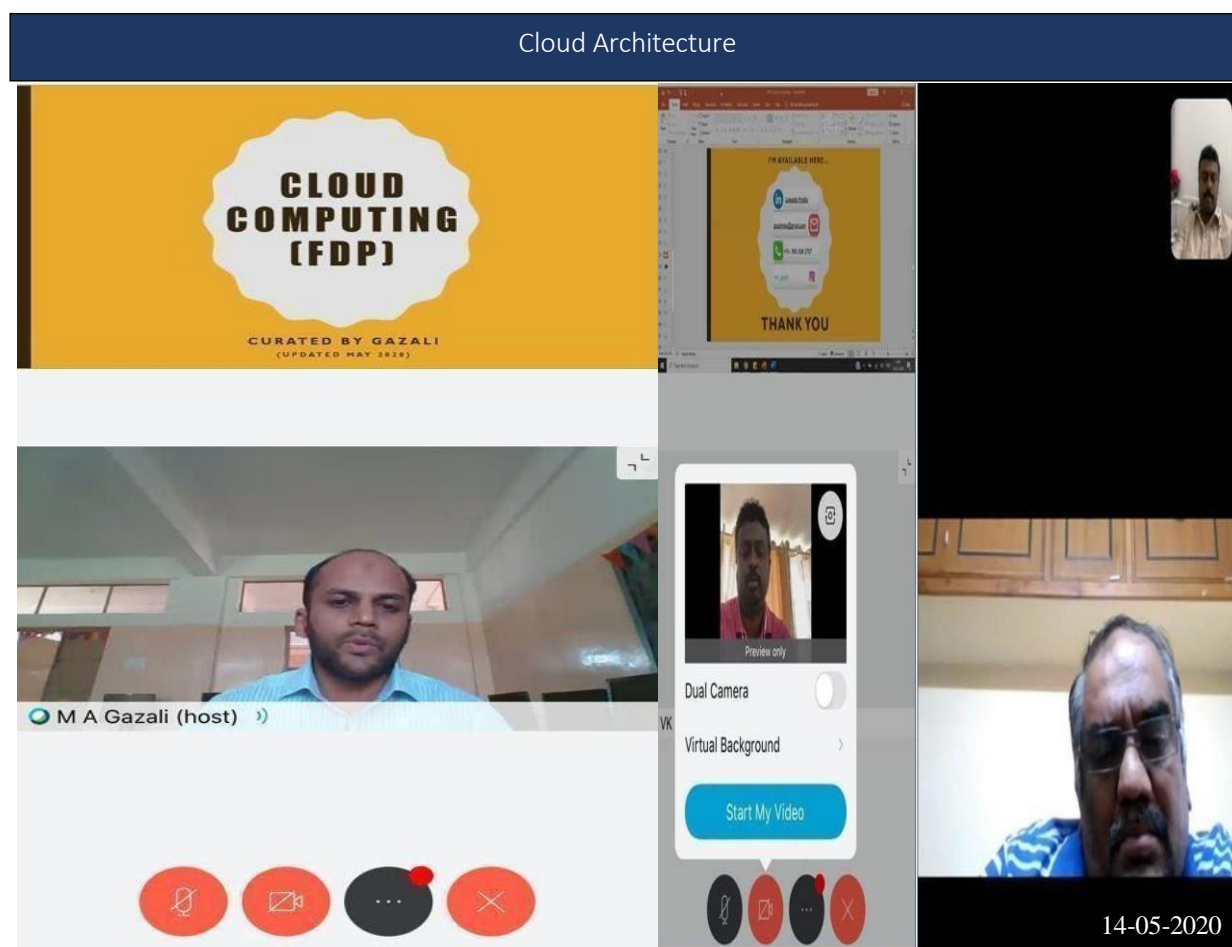


9. CLOUD ARCHITECTURE

Event Title	Cloud Architecture
Category	Webinar
School & Department	Information Technology – Master of Computer Application
Date	14-05-2020
No. of Resource Person	1
No. of Participants	84

Report

The Department of Master of Master of Computer Application organized One Day on **Webinar** Programme **Cloud Architecture** on 14-05-2020 from Online Mode. All the faculties of the School of Information Technology – Guru Nanak College joined the webinar. The speaker Mr Gazali designated (Head Strategy,3GIRPS, IIT research park) was the resource person. He explained in detail about the cloud architecture and different cloud vendor like Microsoft Azure, Amazon cloud, google cloud platforms. The resource person explained about various real time use cases of the cloud platform and the job opportunities.



Cloud Architecture

