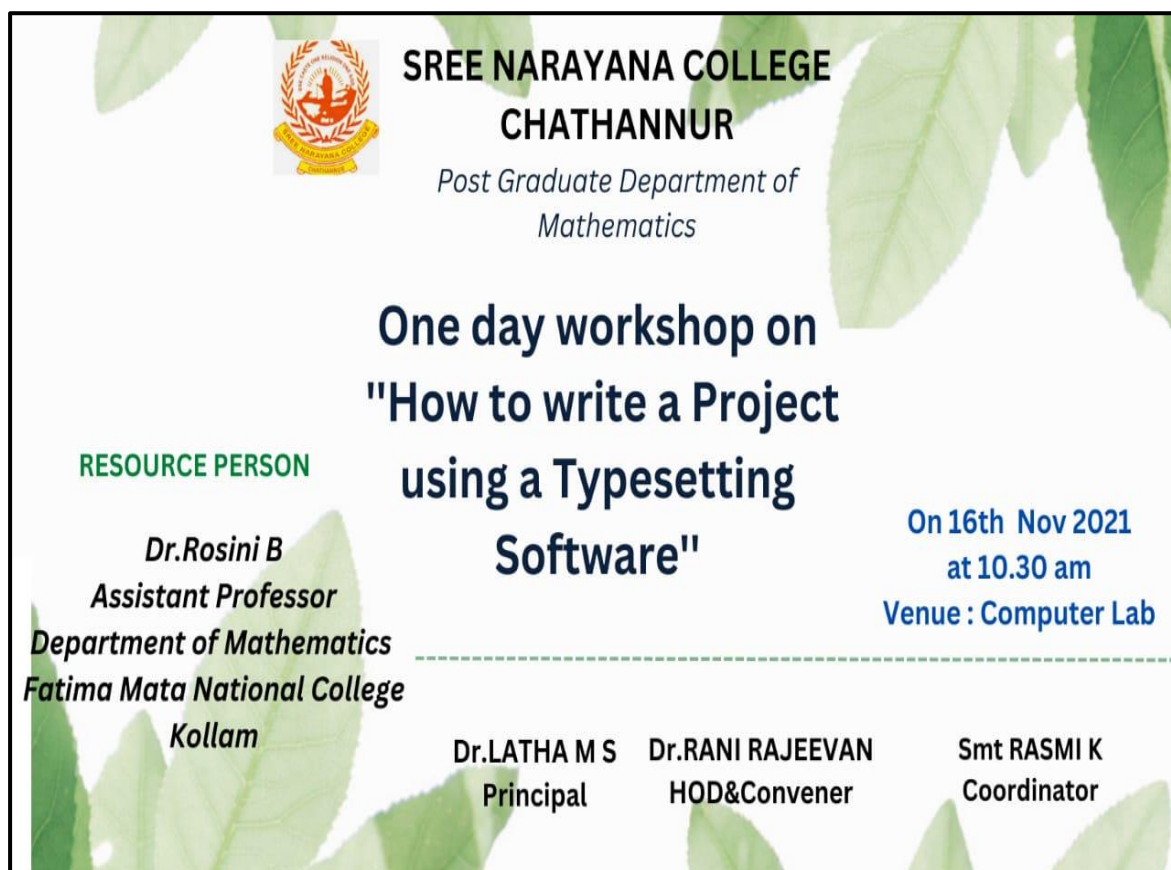



Capacity building and skills enhancement initiatives

ICT/ Computing skill Enhancement Activities

2021-22

One- day Workshop on “How to write a Project using a Typesetting Software.”



 **SREE NARAYANA COLLEGE
CHATHANNUR**
*Post Graduate Department of
Mathematics*

**One day workshop on
"How to write a Project
using a Typesetting
Software"**

RESOURCE PERSON
*Dr. Rosini B
Assistant Professor
Department of Mathematics
Fatima Mata National College
Kollam*

**On 16th Nov 2021
at 10.30 am
Venue : Computer Lab**

Dr. LATHA M S Dr. RANI RAJEEVAN Smt RASMI K
Principal HOD&Convener Coordinator

One-day workshop on “**How to write a Project using a Typesetting Software**” was organized by the Department of Mathematics on 16.11.2021 at Computer lab. Dr. Rosini B, Assistant Professor, Department of Mathematics, Fatima Mata National College, chaired the workshop. The program started at 10.30 am with a welcome note by Dr. Rani Rajeevan, Assistant Professor & HOD, Department of Mathematics. The workshop began with a historical review about a typesetting program and is an extension of the original program TEX written by Donald Knuth. TEX is a programming language, so that by learning this language, people can write code for additional features. The aim in creating TEX is to beautifully typeset technical document especially those containing a lot of Mathematics. Since it is very difficult sometimes even impossible to produce complex mathematical formulas using a word

processor. The session started with a small example of TEX and discussed about simple typesetting fonts and type size. Next discussion was about the document – Document class, page style, page numbering, formatting lengths, parts of a document and dividing the document. The discussion on displayed text consisted of Borrowed words, poetry in type setting, making lists, description and definitions. The discussion on making Rows and columns keeping tabs and tables. Afternoon session started with the discussion of Typesetting mathematics and typesetting theorems. The usage of figure environment and the table environment was discussed in detail. The session ended with the discussion on footnotes, margin pars and End notes. The program ended at 4.00 pm with a vote of thanks by Smt. Rasmi Kundancheri, Assistant Professor, Department of Mathematics. A total of 38 students were participated in the program. Feedback was given by our III B. Sc. Mathematics student Kum. Sufiya N. In overall the workshop was a fruitful experience to our students.

Dr. Rosini B, Assistant Professor, Department of Mathematics, Fatima Mata National College, Kollam engaging the workshop session.



Attendance statement of the workshop on 16.11.2021.

Sl. No.	Name	Class	Signature
1.	Akshil Ramesh	III B.Sc	
2.	Ananthu G.S	III B.Sc	
3.	Anjana B. Prasad	III B.Sc	
4.	Anseelamol. A	III B.Sc	
5.	Ansu. A	III B.Sc	
6.	Aswathy P.B	III B.Sc	
7.	Atitha. R	III B.Sc	
8.	Atitha. S	III B.Sc	
9.	Lipin Raj. A	III B.Sc	
10.	Mithun. M	III B.Sc	
11.	Neelhi T.N	III B.Sc	
12.	Preethi Prasad	III B.Sc	
13.	Pranjith. M.P	III B.Sc	
14.	Remya Sudevan	III B.Sc	
15.	Saurav. S	III B.Sc	
16.	Soorya. S	III B.Sc	
17.	Vishvatas. S	III B.Sc	
18.	Ajis. B.	III B.Sc	
19.	Amritha Babu	III B.Sc	
20.	Ananthu. A	III B.Sc	
21.	Anjali. Smit	III B.Sc	
22.	Ankitha Sankar. U	III B.Sc	
23.	Arshad Devika. B.P	III B.Sc	
24.	Darshya Chandan.	III B.Sc	
25.	Gartha Udayan	III B.Sc	
26.	Gopika B.G.	III B.Sc	
27.	Jisha. S	III B.Sc	
28.	Keethi. A. S	III B.Sc	
29.	Neeraj. B. Mithra.	III B.Sc	
30.	Rajiro. S.R	III B.Sc	

Sl. No.	Name	Class	Signature
31.	Sangeetha Dasan	III B.Sc	
32.	Shreya John	III B.Sc	
33.	Sona. A	III B.Sc	
34.	Sankuj. S	III B.Sc	
35.	Sufiya. N	III B.Sc	
36.	Vandhavi Prasad	III B.Sc	
37.	Veena. V.S	III B.Sc	
38.	Vidhya Shiji. S	III B.Sc	

Dr. Rani Rajeevan
 Head of the Department
 Department of Mathematics
 Sree Narayana College
 Chathannur



A Webinar on “Mathematical Aptitude Training – I”



As part of the MOU with SNiT, Vadakkevila, Kollam, Smt. Anjana S. S., Guest Faculty in Statistics, Department of Mathematics, Sree Narayana College, Chathannur had given an online class on the topic “**Mathematical Aptitude Training -I**” for the final year BCA students of SNiT, Vadakkevila, Kollam. The objective of the class is to provide a platform to know about the shot cuts to solve some mathematical problems in competitive exams. The programme starts at 10.30 am on 03/12/2021 and was conducted via Google meet. The participants were actively involved at the interactive session. A total of 41 members were present in this session. The session came to an end at 12.00 pm.

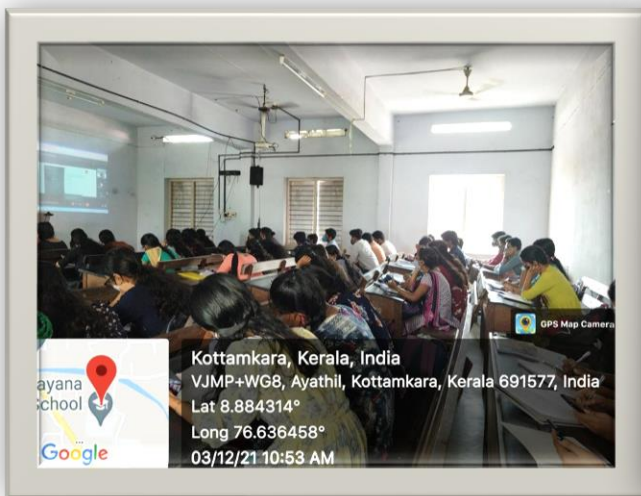
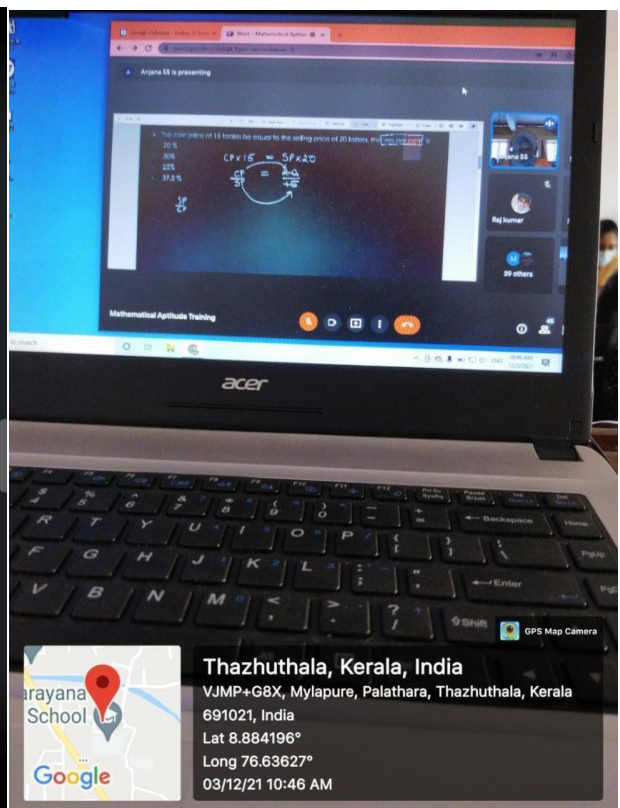
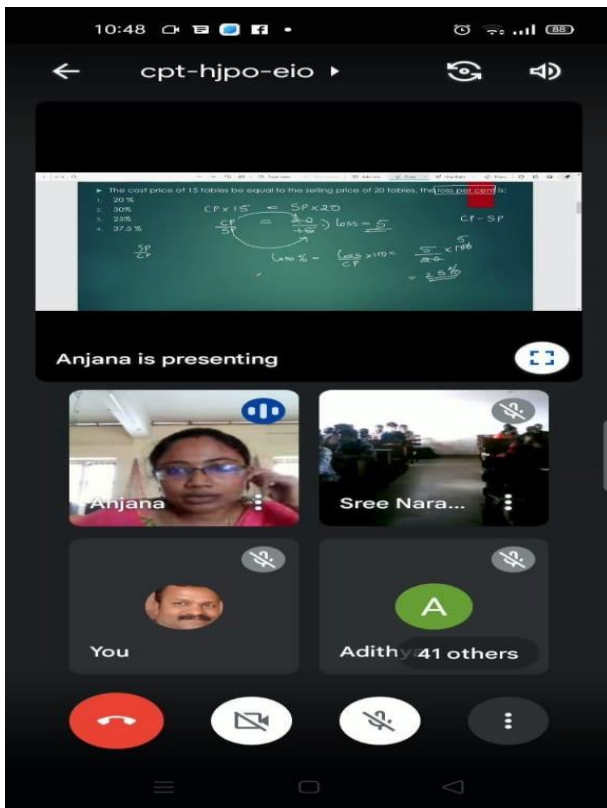
Details:

Mathematical Aptitude Training - I

Friday, 3 December · 10:30 am

Google Meet joining info

Video call link: <https://meet.google.com/cpt-hjpo-eio>



Smt. Anjana S. S. handling the webinar session and the students attending the session in their institution.

Webinar on “Vedic Mathematics”


In order to familiarize our ancient system of calculations, The post graduate Department of Mathematics organized a webinar on Vedic Mathematics. It was led by Dr. Smitha S., Assistant Professor in Education, Sree Narayana Training College, Nedunganda, Varkala, Trivandrum. It was a very interesting session. The students were actively participated in this webinar. A total of 55 students were attended the session.



The poster features a central orange background with a white border. At the top, there are three icons: a blue hand holding a white square, a central emblem of a boat on water within a circular frame, and another blue hand holding a white square. Below these icons, the text reads: **SREE NARAYANA COLLEGE CHATHANNUR** in orange, followed by *PG Department of Mathematics organizes a webinar in* in red, and **VEDIC MATHEMATICS** in purple. Underneath, it says *RESOURCE PERSON* in red. To the left is a portrait of Dr. Smitha S. To the right, her name and title are written in green: *Dr. Smitha S Assistant Professor in Education Sree Narayana Training College Nedunganda Varkala*. At the bottom, the date and time are given in red: *On 28 th December 2021 at 10.00 a.m*. To the right of the date is a small icon of a video camera. At the very bottom, three names are listed in green: *Dr. Rani Rajeevan Convener & HOD*, *Rasmi Kundancheri Co - ordinator*, and *Dr. MS Latha Principal*.


SREE NARAYANA COLLEGE CHATHANNUR
PG Department of Mathematics organizes a webinar in
VEDIC MATHEMATICS

RESOURCE PERSON

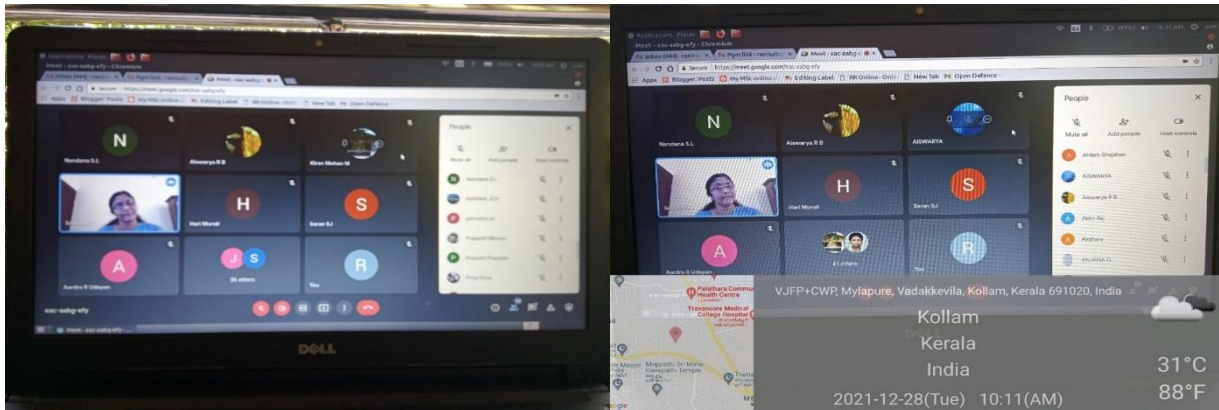


*Dr. Smitha S
Assistant Professor in
Education
Sree Narayana
Training College
Nedunganda
Varkala*

*On 28 th December 2021
at 10.00 a.m*



*Dr. Rani Rajeevan
Convener & HOD* *Rasmi Kundancheri
Co - ordinator* *Dr. MS Latha
Principal*



Dr. Smitha S. handling the webinar on “Vedic Mathematics”.

A Webinar on “Mathematical Aptitude Training – II”

As part of our MOU with SNiT, Vadakkevila, Kollam, Smt. Anjana S. S., Guest Faculty in Statistics, Department of Mathematics, Sree Narayana College, Chathannur had given an online class on the topic “**Mathematical Aptitude Training -II**” for the final year BCA students of SNiT, Vadakkevila, Kollam. The objective of the class is to provide a platform to know about the shot cuts to solve some mathematical problems such as age related problems in competitive exams. The programme starts at 11 am on 06/06/2022 and was conducted via Google meet. The participants were actively involved in the problem solving session. A total of 64 members were present in this session. The session came to an end at 12.30 pm.

Details

Mathematical Aptitude Training - II

Google Meet joining info

Video call link: <https://meet.google.com/zyu-bpxg-gwh>

SNiT, KOLLAM
 SREE NARAYANA INSTITUTE OF TECHNOLOGY
 PH NO : 9447958333

WEBINAR ON
MATHEMATICAL APTITUDE TRAINING II



DR. T MAHALAKSHMI
 PRINCIPAL

DR. SAJEEV J
 HOD

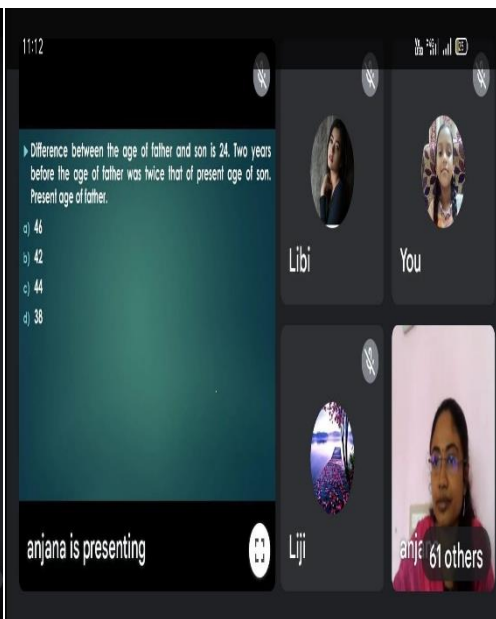
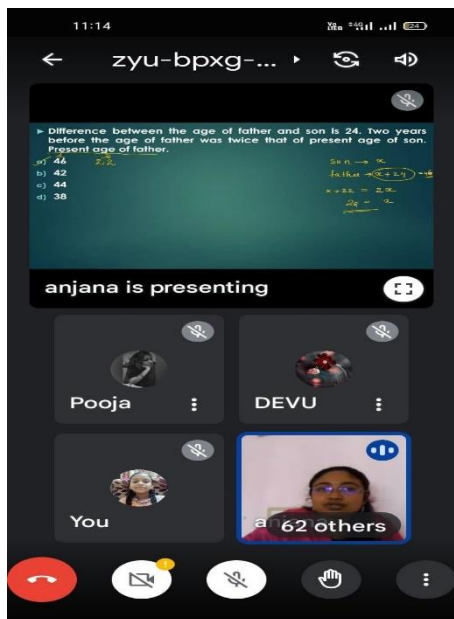
SMT. REDHYA M
 COORDINATOR

SMT. ANJANA S S
 GUEST LECTURER IN STATISTICS
 DEPT OF MATHEMATICS
 SN COLLEGE CHATHANNUR

6th June 2022

11 AM

Google Meet



2020-21

A Webinar on “Introduction to MOODLE”

SREE NARAYANA COLLEGE, CHATHANNUR
AFFILIATED TO UNIVERSITY OF KERALA
NAAC ACCREDITED WITH 'B' GRADE

IQAC ORGANISES THIRD WEBINAR OF VIBGYOR AS ONE DAY WORKSHOP ON 21/12/2020 @ 3 PM. THE SESSION WILL BE HANDLED BY DR. RANI RAJEEVAN, HOD & ASSISTANT PROFESSOR, DEPT. OF MATHS & MR. KIRAN MOHANAN, ASSISTANT PROFESSOR, DEPT. OF MALAYALAM

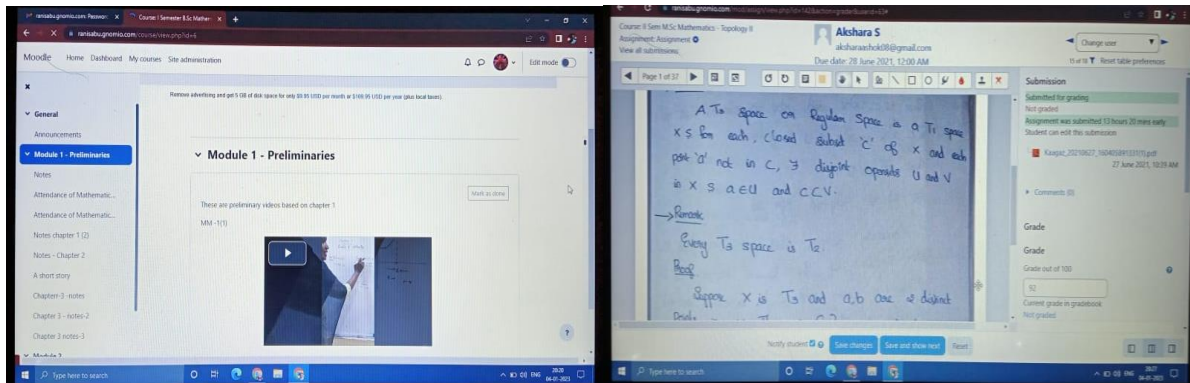
INTRODUCTION TO MOODLE

MOODLE

- Free & Open Source
- E-learning
- Easy & Free
- ORGANISED LEARNING ENVIRONMENT
- Blended Learning Approaches
- Customizable
- CONSISTENT CONTENT & DELIVERY FEEDBACK

ONE DAY WORKSHOP
PLAT FORM : GOOGLE MEET

SRI.VELLAPALLY NATESAN
SN TRUSTS, MANAGER



The IQAC as part of Webinar Series titled, VIBGYOR organise a one-day workshop on topic, “**Introduction on MOODLE**” on 21/03/2021 at 3.00 pm. The welcome note was delivered by IQAC Coordinator, Dr. Parvathy Nand. The session was jointly handled by Dr. Rani Rajeevan, HOD and Assistant Professor in Mathematics and Mr. Kiran Mohan, HOD and Assistant Professor in Malayalam. The session provides an outline about the technique in adopting custom wise websites for online courses and for community sourced plugins. It provides an idea for using the Moodle as an online platform for academic purpose in order to create online course, add assignments, and thereby review student’s progress to a great extent. All the faculties were present for the program. The vote of thank were delivered by Smt. Rasmi Kundancheri, Assistant Professor in Mathematics.

Webinar on “Winning Edge”



SREE NARAYANA COLLEGE, CHATHANNUR
Affiliated to University of Kerala
NAAC Accredited with 'B' grade

Post Graduate Department of Mathematics
Organizes a webinar on

"WINNING EDGE"
(An Orientation Programme for Placement)

Resource Person

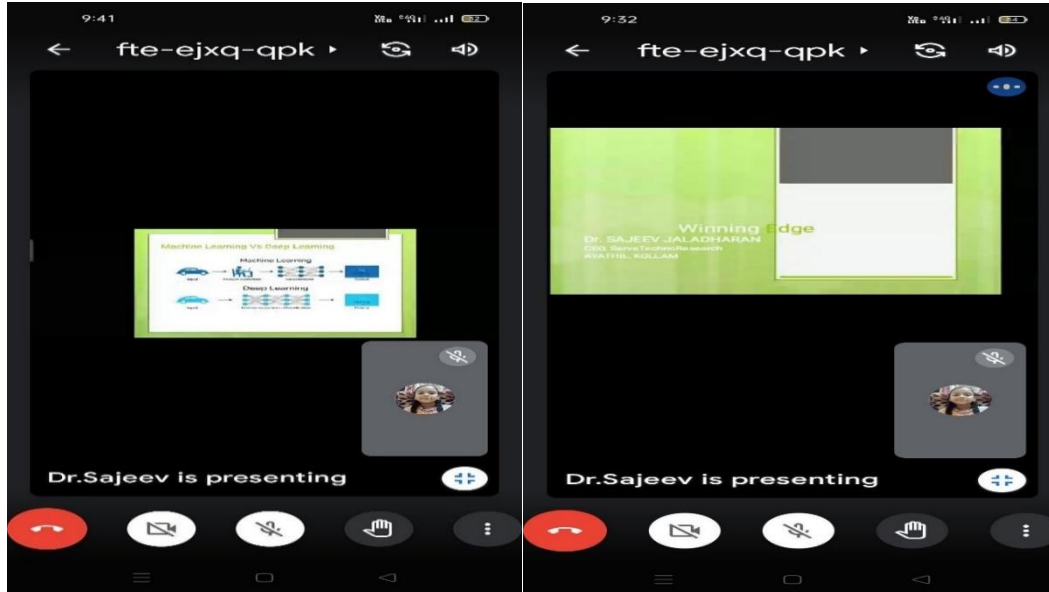
on **28.05.2021**
at **3 PM**

No registration fee
Platform: google meet



Dr. SAJEEV J
Associate Professor &
HOD, Dept. of MCA,
SNIT, Kollam.

For more details contact:
Dr. Rani Rajeevan (Asst. Professor & HOD) - 9447579754
Smt. Rasmi Kundancheri (Asst. Professor) - 9656152472



As apart of our MOU, Dr. Sajeev J., Associate professor & HOD had given an online class on the topic **“Winning Edge”** for our final year UG & PG students. The objective of the class is to provide a platform to know about the basics of Python language & Artificial intelligence. The programme starts at 3 pm on 28/05/2021 and was conducted via Google meet. Smt. Ramsi Kundancheri, Assistant professor, Department of Mathematics delivered the welcome speech. Presidential address was delivered by Dr. Rani Rajeevan, HOD & Assistant professor, Department of Mathematics. The participants were actively involved at the interactive session. A total of 41 members were present in this session. The programme was concluded at 4.30 pm by the vote of thanks of Kum. Sufiya N., III B. Sc. Mathematics student.

2019-2020

One Day Workshop on “Importance of CAS in Mathematical Computations”



**SREE NARAYANA COLLEGE
CHATHANNUR**
Post Graduate Department of
Mathematics

**One Day Workshop On
"Importance of CAS in
Mathematical
Computations "**

On 20th Nov 2019
at 10.00 am
Venue : Computer Lab

RESOURCE PERSON

Mahesh Kumar V
Assistant Professor
Department of Mathematics
SNCW
Kollam

Dr.C S Subhash Chandran Dr.RANI RAJEEVAN Smt RASMI K
Principal HOD&Convener Coordinator

The Department of Mathematics organized One day workshop on “**Importance of CAS in Mathematical Computations**” on 20/11/2019 at 10.00 am. The workshop was inaugurated by principal Dr. C. S. Subhash Chandran. Mrs. Rani Rajeevan, Assistant Professor & HOD, Department of Mathematics welcomed all the teachers and students to the workshop. She mentioned the importance of Computer Algebra System on mathematical computations. Sri. Mahesh Kumar V., Assistant Professor, Department of Mathematics, SNCW, Kollam was the invitee to the workshop. This workshop has two stages. Initially, he taught the basic usage of the well known Python based CAS - Sage with sage notebooks or Jupyter notebook. In this part students got an idea about how to make a computational document and gave an idea about Sage Math interface and Sage Math console. In the second part he discussed some programs on applied mathematics such as calculus, applied linear algebra, numerical methods on differential equations, plotting of functions. Throughout the workshop students did all the programs as per the instructions of the speaker. A total of 46 students were attended the

workshop. At the end Kum. Aswathy Mohan, one of our S5 mathematics student had given feedback of the program and vote of thanks offered by Mrs. Rasmi Kundancheri, Assistant Professor in Mathematics, thanked all the teachers and students for gracing this occasion by their solemn presence.



Sri. Mahesh Kumar V., Assistant Professor, Department of Mathematics, S. N. College for Women, Kollam engaging the workshop session.

Attendance statement of the workshop.

Attendance Statement of one-day Workshop on "Importance of CAS in Mathematical computations" Held on : 26 th November 2019 at 10.00am			
Sl No	Name of the students	class	signature
1	Akshara S. Dev	3 rd B.Sc	[Signature]
2	Amaanshab S	"	[Signature]
3	Archana M S	"	[Signature]
4	Arya L	"	[Signature]
5	Aswathy S	"	[Signature]
6	Athirakrishnan L	"	[Signature]
7	Bhavana T	"	[Signature]
8	Chanchal Parasobh	"	[Signature]
9	Devu C H	"	[Signature]
10	Geusei Jayakumar	"	[Signature]
11	Kaishnaveni A B	"	[Signature]
12	Lekshmi S	"	[Signature]
13	Manasa M	"	[Signature]
14	Moornina A	"	[Signature]
15	Neethu M	"	[Signature]
16	Priya S	"	[Signature]
17	Saathya Raj S	"	[Signature]
18	Shama S	"	[Signature]
19	Swathy J R	"	[Signature]
20	Vishnu M S	"	[Signature]
21	Vivek M S	"	[Signature]
22	Vafnda V	"	[Signature]
23	Abhisaj R	"	[Signature]
24	Abi A P	"	[Signature]
25	Anandhu Vijay V	"	[Signature]
26	Anandha padmanabhan S	"	[Signature]
27	Ankitha P	"	[Signature]
28	Nasha A	"	[Signature]
29	Noum S Nath	"	[Signature]
30	Aswathy Mohan	"	[Signature]

31	Aswathy R	3 rd B.Sc	[Signature]
32	Aswin R Anand	"	[Signature]
33	Athira A	"	[Signature]
34	Athira S	"	[Signature]
35	Devika Jagadeesan	"	[Signature]
36	Devika N S	"	[Signature]
37	Gokul B S	"	[Signature]
38	Geetha Vijay	"	[Signature]
39	Harikrishnan G	"	[Signature]
40	Jyothish S P	"	[Signature]
41	Nandya Poosa d	"	[Signature]
42	Muhammed nazadbeen A	"	[Signature]
43	Neetha S	"	[Signature]
44	Poojesh P S	"	[Signature]
45	Sadashya Varman R M	"	[Signature]
46	Sreelaxmi	"	[Signature]

Dr. Rani Rajeevan
Head of the Department
Department of Mathematics
Sree Narayana College
Chathanur

ICT Enabled class – ASAP

The ASAP has incorporated the ICT enable classes in the syllabus for the students in order to transform the teaching and learning process into an interactive experience and practical oriented. The moderator had initiated the class to an efficient and highly result oriented activity. ICT allows students to practice collaborative skills by getting them involved in the modules. Undoubtedly it is analysed that the ICT education provides an opportunity for the enhancement of interaction and increases student engagement, Learning is accessible any time, any place, decreases teacher paperwork improving work-life balance, improves parent-teacher interaction, improves and enhances peer support and collaboration between students. The ASAP moderator Smt. Aswathy Mohanan had engaged the class for the students enrolled in a very effective and interactive way on 09/03/2020 at Computer Lab.



Smt. Aswathy T. Mohan engaging the ICT class as part of ASAP syllabus.

2018-2019

One day Workshop on “Mathematics with MATLAB”



The Mathematics Department of the college hosted one-day workshop on “**Mathematics with MATLAB**” on 28/11/2018 at 10.00 am. The resource person for the program was Sri. Sree Murukan A., Assistant Professor, Department of Mathematics, S. N. College, Varkala. The program started with a welcome note by Smt. Rasmi Kundancheri, Assistant Professor & HOD. The workshop aimed to provide a comprehensive theoretical and hands – on practical experience on MATLAB to beginners. MATLAB is one of the most popular software for quantitative analysis. It integrates computation, visualization and programming in easy- to- use environment where problems and solutions are expressed in familiar mathematical notations. It is the most popular mathematical software for numerical computation that combines efficient linear Algebra operations and power graphics with an intuitive, interactive user interface.

The topics discussed in the workshop were:

- Getting started with MATLAB programming.
- Writing Vectors and Arrays in MATLAB.
- Writing Matrices in MATLAB.

- Some operations on Matrices.
- Rank, Determinant, Echlon form.
- Solution of system of Equations.

About 41 students were in attendance and there was a general source of inquiry among them throughout the workshop. The program came to an end at 4.10 pm with a vote of thanks by Sri Salu S., Assistant Professor (FDP Substitute) in Mathematics.



Sri. Sree Murukan A., Assistant Professor, Department of Mathematics leading the workshop.

Attendance statement of the workshop on 28/11/2018.

Attendance Statement of One-day Workshop on "Mathematics with MATLAB" Held on : 28-11-2018 at 10:00am			
Sl.No	Name of Students	class	Signature
1.	Adhish . A	III B.Sc	[Signature]
2.	Alida . M . Vinod	"	[Signature]
3.	Amal . M . S	"	[Signature]
4.	Anjali Paasad	"	[Signature]
5.	Anjana . R . chandaan	"	[Signature]
6.	Aaya . A	"	[Signature]
7.	Aaya Suresh	"	[Signature]
8.	Aswathy chandaan	"	[Signature]
9.	Athira . M	"	[Signature]
10.	Athira . V . S	"	[Signature]
11.	Athulya . P . S	"	[Signature]
12.	Balaji & vimal	"	[Signature]
13.	Bmu . G . S	"	[Signature]
14.	Divya . M	"	[Signature]
15.	Jayakrishnan . S	"	[Signature]
16.	Lekshmi priya . S	"	[Signature]
17.	Maneesh . M	"	[Signature]
18.	Rakhi . S	"	[Signature]
19.	Roshna . L	"	[Signature]
20.	Sooraj . Raj	"	[Signature]
21.	Sooraya . S . S	"	[Signature]
22.	Saathy sajeev	"	[Signature]
23.	Saathy . S	"	[Signature]
24.	Akhilesh Muzakan . M . S	"	[Signature]
25.	Amala . S	"	[Signature]
26.	Amrutha . B	"	[Signature]
27.	Anandhu Raj	"	[Signature]
28.	Anjali . S	"	[Signature]
29.	Anu . B . P	"	[Signature]
30.	Anupama . P . S	"	[Signature]
31.	Anupriya . A	III B.Sc	[Signature]
32.	Aparna . S . S	"	[Signature]
33.	Aswathy . K . G	"	[Signature]
34.	Charishma Paakash	"	[Signature]
35.	Devi . S	"	[Signature]
36.	J. Vishnu Paakash	"	[Signature]
37.	Maku . M . A	"	[Signature]
38.	Neethu . B . S	"	[Signature]
39.	Nisha . S	"	[Signature]
40.	Rahul Lal . S	"	[Signature]
41.	Roshna . A . K	"	[Signature]



[Signature]
Rasmi Kudanabee
Head of the Department
Department of Mathematics
Sree Narayana College
Chathannur

2017-2018

One day Workshop on “Doing Mathematics with a Programming Language”



The Mathematics Department of the college hosted a one-day workshop on “**Doing Mathematics with a Programming Language**” on 14/11/2017 at 10.00 am. The resource person for the program was Smt. Ramsiya B., Assistant Professor, Department of Applied Sciences, Younus Institute of Technology, Kannanalloor. The program started with a welcome note by Smt. Rasmu Kundancheri, Assistant Professor & HOD. The resourceperson then began the workshop with an introduction to a well known programming language - Python. Python is an interpreted, object-oriented high-level programming language with dynamic semantics. Python is popularly used for website development, data analytics and automation. Python is a general-purposelanguage which means it is versatile and can be used to program many different types of functions. There are no type declarations of variables, parameters, functions or methods in the source code. This makes the code short and flexible. Since it is easy to learn, python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks like organizing finances. Nowadays the IT sector has a high demand for Python programmers. Next, he gave an experience section of Python in computer. He showed that how we can made mathematics simpler by the usage

of Python - by plotting some graphs of algebraic functions and solving some higher order equations.

About 43 students were in attendance and there was a general source of inquiry among them throughout the workshop. The program came to an end at 4.15 pm with a vote of thanks by Sri Salu S., Assistant Professor (FDP Substitute) in Mathematics and feedback given by one of our III B. Sc. Mathematics student Kum. Preethu M.



Smt. Ramsiya B., Assistant Professor, Department of Applied Sciences, Younus Institute of Technoogy, Kannanalloor, handling the workshop session.

Attendance statement of the workshop on 14/11/2017.


3

Attendance Statement of One-day Workshop on
"Mathematics With a Programming Language"
 Held on : 14.11.2017 at 10:00 am

Sl. No	Name of the Students	Class	Signature
11	Anoja S	III B.Sc	[Signature]
21	Aarun S	"	[Signature]
31	Avany Babuaj	"	[Signature]
41	Divya S	"	[Signature]
51	Geetha Krishnan R	"	[Signature]
61	Kavya A P	"	[Signature]
71	Krishnadu .B	"	[Signature]
81	Meera Philip	"	[Signature]
91	Nithi Babu	"	[Signature]
101	Preethi M	"	[Signature]
111	Shreya Philip	"	[Signature]
121	Siena Fatima S	"	[Signature]
131	Soozha SS	"	[Signature]
141	Aashique PA	"	[Signature]
151	Ajina V	"	[Signature]
161	Ajith R	"	[Signature]
171	Anjali S	"	[Signature]
181	Anjana koutma k	"	[Signature]
191	Arathy A	"	[Signature]
201	Archer Raj	"	[Signature]
211	Ajaya Anand	"	[Signature]
221	Arya J R	"	[Signature]
231	Althira Raj A	"	[Signature]
241	Geetha Raj G	"	[Signature]
251	Jayesh J	"	[Signature]
261	Karthika Nair M	"	[Signature]
271	Keerthi S	"	[Signature]
281	Koan Raj	"	[Signature]
291	Meera A	"	[Signature]
301	Parvathy .I	"	[Signature]

5

31)	Paaveen P	III B.Sc	[Signature]
32)	Prayanka S	"	[Signature]
33)	Sathinraj .V.S	"	[Signature]
34)	Sajitha S	"	[Signature]
35)	Samayamnam .R.N	"	[Signature]
36)	Sandha Vinod	"	[Signature]
37)	Sangeetha Suresh	"	[Signature]
38)	Saranya SS	"	[Signature]
39)	Saranya Sudhan	"	[Signature]
40)	Shijin S Babu	"	[Signature]
41)	Sreejith SS	"	[Signature]
42)	Sreelekshmi AS	"	[Signature]
43)	Southy Devan	"	[Signature]



[Signature]
 Rasmi Kundancheri
 Head of the Department
 Department of Mathematics
 Sree Narayana College,
 Chathanur.