Minutes of the Meeting of Board of Studies

Attendees:

1. Smt. Shereen K (Principal)

2. Dr. K Sreelatha (Chairman, Board of studies)

3. Dr. Smitha Sasidharan (IQAC Coordinator)

4. Smt.Sincy.B (Head, Department of Mathematics)

6. Dr.Ambily Chandran (Course Coordinator)

5. Smt. Aswathy S (External Member)

Venue: Principal's Chamber

Date&Time:02/06/2022 at 10.00am

Agenda:

1. Review of Certificate course proposal

Minutes:

1. Reviewed the certificate course proposal submitted by Department of Mathematics.

2. Approved the syllabus and proposal of the certificate course on "VEDIC MATHEMATICS"

PRINCIPAL
SREE NARAYANA COLLEGE
CHENGANNUR

Department of Mathematics

24/06 /2022

Notice

Department of Mathematics has decided to begin a certificate course in **Certificate Course on VEDIC MATHEMATICS** .Those who are interested to join the programme are requested to contact the HOD, Mathematics department.

Sincy.B

HOD in Mathematics

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

From

Sincy.B

HOD in Mathematics

Sree Narayana College

Chengannur

To

The Principal

Sree Narayana College

Chengannur

Kindly grant permission to commence certificate course in **Certificate Course on VEDIC MATHEMATICS** under the aegis of Mathematics department.

Yours faithfully,

Sincy.B

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

Place : Chengannur

Date : 25/07/2022

PRINCIPAL
SREE NARAYANA COLLEGE
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Department of Mathematics
TWO MONTH CERTIFICATE COURSE 2022-2023
COURSE CODE AND NAME – MM22VM Certificate Course on VEDIC MATHEMATICS

List of members of Board of Studies in the Department level

Name	Designation	Position held
Smt.Sincy.B	Assistant Professor ,HoD	Chairman
Mr.Ajay sasidharan	Guest Faculty	Member
Miss.Sreela S	Guest Faculty	Member
Smt.Jesylin	Guest Faculty	Member

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

Department of Mathematics
TWO MONTH CERTIFICATE COURSE (2022-3023)
COURSE CODE AND NAME – MM22VM Certificate Course on VEDIC MATHEMATICS

DURATION -30 Hrs

Course Objectives:

- Help students appreciate ancient Indian Mathematics and its contribution to the world.
- Enhance computational proficiency by involving procedures in Linear and Matrix algebra
- Develop conceptual knowledge of mathematical concepts
- Appreciate the need of conceptual knowledge over procedural processes

Learning Outcomes:

- After completion of the course, students shall be able to think critically
- Find mathematical solution of algebraic expressions
- Solve system of linear equations and matrices faster and with ease.
- Appreciate the Mathematical advancements of Ancient India.

SYLLABUS

MODULE 1 (10 hours)
Easy Solution of linear equations
Introduction of simple equation ,Solutions of simple equations ,Solutions of linear equations in two variables ,Practical application of linear equations in two variables, A general method of cubing ,Yavadhunam Sutra for cubing ,Cubing Using Series Multiplication

MODULE 2(10 hours)
High Speed Matrix Algebra
Introduction and history of Matrices and Determinants , Matrices and Determinants of third order ,Inverse of Matrices, Fraction – addition (different denominators) , Factoring ,Reducing to lowest terms , Mixed numbers ,Multipying mixed numbers.

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MODULE 3(10hours)

Vedic Geometry

Quadratic Formula , Exponents and Radicals , Absolute Value ,Special Product Formulas ,Binomial Theorem , Special Factoring Formulas Different forms of straight lines , The Triangle , The Cyclic Quadrilateral, Squares and the Circle, Geometrical constructions (such as Altars) , Transformation of simple shapes ,Kalpa Sutras-Srautha Sutras and Sulbha Sutras.

Reference Books:

- Vedic Mathematics, Swami Bharati Krishna Trithaji, Motilal Banarsidas, New Delhi
- The Essential of Vedic Mathematics, Rajesh Kumar Thakur, Rupa Publications, New Delhi
- Vedic Mathematics For All Ages, Vandana Singhal, Motilal Banarsidas Publishers.
- A Modern Introduction to Ancient Indian Mathematics, T S Bhanumurthy, Wiley Eastern Limited, New Delhi

Programme Specific Outcomes

After the successful completion of this certificate course the students will be able to:

PSO 1: To enhance computational skills in mathematics

PSO 2: Develop Analytical thinking through Vedic maths.

PSO 3: Enable further research in Indian Ancient mathematics.

PSO 4: Conduct seminar on the subject and bringing together scholars in Vedic Mathematics.

PSO 5: Develop postal and online study courses on Indian ancient mathematics.

PSO 6: Instil love and remove the fear of mathematics. PSO 7: Promote Vedic culture.

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CHENGANNUR

SREE NARAYANA COLLEGE
CHENGANNUR, ALAPUZHA, KERALA
Aided College Affiliated to University of Kerala
(NAAC Accredited with Grade B)

Department of Mathematics
TWO MONTH CERTIFICATE COURSE

COURSE CODE AND NAME – MM22VM VEDIC MATHEMATICS

DURATION -30 Hrs

LIST OF TEACHERS HANDLING THE COURSE

- Mr.Ajay Sasidharan (Guest Faculty,Department of Mathematics,S n College Chengannur)

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

Department of Mathematics
TWO MONTH CERTIFICATE COURSE
COURSE CODE AND NAME – MM22VM VEDIC MATHEMATICS

DURATION -30 Hrs

List of enrolled students

Sl No	Name	Class	
1	Anju B	BSc Physics	Anju
2	Anseena A	BSc Physics	Anseena
3	Dayal Udayan	BSc Physics	Dayal
4	Sanjeev Sathyan	BSc Physics	Sanjee
5	Shiji Johnson	BSc Physics	Shiji
6	Thomas Kuriakose	BSc Physics	Thomas
7	Tini Chandran	BSc Physics	Tini
8	Amrutha S	BSc Physics	Amrutha
9	Anju Uthaman	BSc Physics	Anju
10	Swathy Santhosh	BSc Physics	Swathy
11	Amjith S	BSc Chemistry	Amjith
12	Anagha Jyothi	BSc Chemistry	Anagha
13	Sabari Shaji	BSc Chemistry	Sabari
14	Akhila I	BSc Chemistry	Akhila
15	Arya S	BSc Chemistry	Arya
16	Adarsh S	BSc Mathematics	Adarsh
17	Athul.K.A	BSc Mathematics	Athul

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

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ATTENDANCE REGISTER

Name of Course .Vedic...... Mathematics........ Teacher(S) ...Ajay. Sasidharan..., Month (S) ....August..2022....... No. of Instructional Hours ....30 hours......

Sl. No.	Name of Student	Date										Signature	No. of Days Present
		Hour	I	II	III	IV	V	VI	VII	VIII	IX		
			X	X	X	X	X	X	X	X	X		
1	Anju·B		X	X	X	X	X	X	X	X	X	Anju	
2	Anseena·A		X	X	X	X	X	X	X	X	X	Anseena	
3	Dayal udayan		X	X	X	a	X	X	X	X	X	Dayal	
4	Sanjeev Sathyan		X	X	X	X	X	X	X	X	X	Sanjiv	
5	Shiji Johnson		X	X	X	X	X	a	X	X	X	Shiji	
6	Thomas Kuriakose		X	X	a	X	X	X	X	X	X	Thomas	
7	Tini chandran		X	X	X	X	X	X	X	X	X	Tini	
8	Amrutha·S		X	X	X	X	X	X	X	X	X	Amrutha	
9	Anju uthaman		X	X	X	X	X	X	X	X	X	Anju	
10	Swathy Santhosh		X	X	X	a	X	X	X	X	X	Swathy	
11	Amjith·S		X	X	X	X	X	a	X	a	X	Amjith	
12	Anagha Jyothi		X	X	X	X	X	X	X	X	X	Anagha	
13	Sabini Shaji		X	X	X	X	X	X	X	X	X	Shaji	
14	Akhila·T		a	X	X	X	a	X	a	X	X	Akhila	
15	Arya		X	X	X	X	X	X	X	X	X	Arya	
16	Adarsh		a	X	X	X	a	X	X	X	X	Adarsh	
17	Athul·KA		X	X	X	X	X	X	a	X	X	Athul	

Signature of Teacher

Signature of HOD

ATTENDANCE REGISTER

Name of Course ...Vedic Mathematics...... Teacher(S) Ajay Sasidharan...... Month (S) ...September 2022 August... No. of Instructional Hours ....30 hours....

Sl. No.	Name of Student	Date	Hour																			Signature	No. of Days Present
1	Anju. B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Anju	
2	Anseena. A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Anseena	
3	Dayal udayan	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X			Dayal	
4	Sanjeev Sasidharan	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Sanjeev	
5	Shiji Johnson	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	X				Shiji	
6	Thomas Kuriakose	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X			Thomas	
7	Tini chandran	X	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				Tini	
8	Amrutha. S	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Amrutha	
9	Anju uthaman	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				Anju	
10	Swathy Santhosh	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Swathy	
11	Amjith. S	X	X	a	X	X	X	X	X	X	X	a	X	X	X	a	X	a	X	X			Amjith	
12	Anagha Jyothi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Anagha	
13	Sebani shiji	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X			Shani	
14	Akhila. T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			Akhila	
15	Arya	a	X	X	X	X	X	a	X	X	a	X	X	X	X	X	X	X	X	X			Arya	
16	Adarsh	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X			Adarsh	
17	Athul. K A	X	X	a	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	X			Athul	

Signature of Teacher

Signature of HOD

SREE NARAYANA COLLEGE, CHENGANNUR
Department of Mathematics
2022 - 2023

Title of course
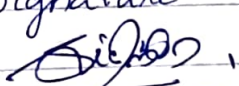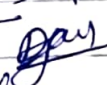Vedic Mathematics
Meeting held on : 5/07/2022

Minutes Report

The department has decided to commence the classes on ~~&~~ 05/08/2022
The board of studies has approved the syllabus.
The course coordinator has scheduled the programme details and the timetable of the classes.
The board of studies has decided to conduct external examination at the end of years.

Attendance statement of the meeting

Sl.No:	Name of faculty	Signature
1.	Smt. Ginty. B	Ginty
2.	Mr Ajay Sasidharan	Ajay
3.	Mrs Sreela	Sreela

Head of The Department
Department of Mathematics
Sree Narayana College
Chengannur

Department of Mathematics
TWO MONTH CERTIFICATE COURSE
COURSE CODE AND NAME – MM22VM Certificate Course on VEDIC MATHEMATICS

DURATION -30 Hrs

List of students passed list (2022-2023)

Sl No	Name	Class
1	Anju B	BSc Physics
2	Anseena A	BSc Physics
3	Dayal Udayan	BSc Physics
4	Sanjeev Sathyan	BSc Physics
5	Shiji Johnson	BSc Physics
6	Thomas Kuriakose	BSc Physics
7	Tini Chandran	BSc Physics
8	Amrutha S	BSc Physics
9	Anju Uthaman	BSc Physics
10	Swathy Santhosh	BSc Physics
11	Amjith S	BSc Chemistry
12	Anagha Jyothi	BSc Chemistry
13	Sabari Shaji	BSc Chemistry
14	Akhila I	BSc Chemistry
15	Arya S	BSc Chemistry
16	Adarsh S	BSc Mathematics
17	Athul.K.A	BSc Mathematics

Head of The Department
Department of Mathematics
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Department of Mathematics

Certificate Course Report

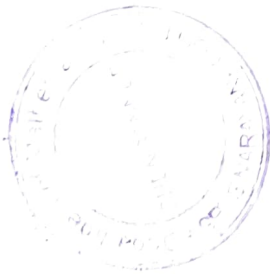**TWO MONTH CERTIFICATE COURSE 2022-2023**

COURSE CODE AND NAME – MM22VM Certificate Course on VEDIC MATHEMATICS

A Meeting was held on 5/07/2022 at 10.30 am in the department of Mathematics to discuss about the commencement of certificate course on Data Analysis using R software.

The members of the board of studies for certificate course were present in the meeting . Chairman : Smt.Sincy.B presided by the meeting.All together 17 students applied for the course.The classes were handled by Mr.Ajay Sasidharan,Guest Faculty, Department of Mathematics ,TKMM Nagiarkulangara.The class commenced on 5/08/2022.

After successfully completing the classes , exam was conducted on 10/10/2021 from 10.30 am to 12.30 pm ,all the students attended the exam and the pass percentage was 100%.

Thus the certificate course helped students to gain knowledge in this field,also this was an added advantage for the students to enhance their skill development as well as their carriculum vitae.

Head of The Department
Department of Mathematics
Sree Narayana College
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SREE NARAYANA COLLEGE ,CHENGANNUR

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON VEDIC MATHEMATICS

Certificate

This is to certify that.....Anju..B...has

successfully completed the course conducted by the

Department of Mathematics from August 2022 to

September 2022.

Smt.SINCY.B
(Asst.Professor)
Head of the Department

Dr.Smitha Sasidharan
IQAC Co-ordinator

Dr.Shereen.K
Principal

PRINCIPAL
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CHENGANNUR

GPS Map Camera

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