



# **VELUMANOHARAN ARTS AND SCIENCE COLLEGE FOR WOMEN**

Marappalam, Devipattinam ECR Road, Peravoor Post, Ramanathapuram 623504  
(An Educational Initiative Under VeluManoharan Health and Educational Trust)

Affiliated to Alagappa University, Karaikudi - 630 003.

## **ANNUAL REPORT 2023-2024 Department of Mathematics**

### **About the Department**

- The Department of Mathematics, Velumanoharan Arts and Science College for Women was established in the year 2019. The department offers undergraduate course in Mathematics.
- It consists of three highly qualified faculty members to make sure the best education imported to the students.
- The students are exposed to various activities to improve their organizational skills and group dynamics. They are encouraged to attend seminars and conferences.
- In addition to the academic performance the department encourages the students to participate in various curricular and co-curricular activities.

### **Vision**

- To promote a successful and competent person in the competitive world.

### **Mission**

- ✓ To encourage our students to prepare for their career development, lifelong learning and professional growth.
- ✓ For acquiring mathematical skills and employability skills.
- ✓ To make students aware of global level technology to explore Mathematical concepts through activities and experimentation.

### **Career opportunities**

Studying Mathematics as a main subject offers job opportunities in various field of

- ✓ Statistics
- ✓ Teaching

✓ Banking

✓ Cryptography

✓ Actuarial science

✓ Computer science

✓ Government sectors

#### **Action Plan (2023-2024)**

- ❖ Spoken English and communication skills
- ❖ Personality development skills
- ❖ Seminar
- ❖ Workshop
- ❖ Association Activities
- ❖ Inter-collegiate

#### **ACADEMIC YEAR (2019-2020)**

Course	Year	Total Strength
B.Sc., Mathematics	I Year	30

#### **ACADEMIC YEAR 2020-2021**

Course	Year	Total Strength
B.Sc., Mathematics	I Year	24
	II Year	29
	Total	53

#### **ACADEMIC YEAR 2021 – 2022**

Course	Year	Total Strength
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B.Sc., Mathematics	I Year	11
	II Year	23
	III year	29
	Total	63

#### ACADEMIC YEAR 2022-23

Course	Year	Total Strength
B.Sc., Mathematics	I Year	18
	II Year	10
	III year	23
	Total	51

#### ACADEMIC YEAR 2023-24

Course	Year	Total Strength
B.Sc., Mathematics	I Year	13
	II Year	18
	III year	10
	<b>Total</b>	<b>41</b>

#### Staff Profile

S.No	Name of the Staff	Qualification	Designation	Year of working
1.	Mrs. G. Gunavathy	MSc.,M.Phil.,B.Ed.,	Head Assistant Professor and	2.07.2022 till date
2.	Mrs S Priyanga Gandhi	M.Sc, M.Phil,D.Ted.B.Ed	Assistant Professor	28.09.2021 till date

3.	Ms. M Uma Maheshwari	MSc.,M.Phil.B.Ed	Assistant Professor	15.11.2021till Date
4.	Ms. R. Sajitha Rubini	M.Sc, B.Ed., DCA	Assistant Professor	01.03.2022 till date
5.	Ms.G.Vinoja	M.Sc. M.Phil.,B.Ed	Assistant Professor	26.07.2023 till date

### MATHEMATICS LIBRARY BOOK LIST

S.No	Book No.	Book Title Name	Author name	Count
1	1390	Business Mathematics & Statistics	R.s.Soni	1
2	1391	Analytical Statics	S.A. Mollah	1
3	1392	Algebra interactive	Arjeh M. cohen	1
4	1393	Global Calculus	S. Ramanan	1
5	1394	Mapping Degree Theory	Jesus M. Rwiz	1
6	1395	Linear Algebra	Dr. Sudhir Kumar Pundir	1
7	1396	Essentials of Business Statistics	B.M. Aggarwal	1
8	1397	Advanced fuzzy systems Desigh and applications	Yaochu Jin	1
9	1398	A Course in Modern Geometries	N. Cederberg	1
10	1399	Discrete Mathemactic for Undergraduates	J.P. singh	1
11	1400	fundamentals of Differential Geometry	Serge leng	1
12	1401	Mathematics	Dr. Zubairkhan	1
13	1402	Calculus Revisted	W. Carroll	1
14	1403	Applied Mathemactics –II	Abhimanu Sing	1
15	1404	Applied Mathemactics –I	Abhimanu Sing	1
16	1405	Numerical Methods and Programming	Ranjna Mehta	1
17	1406	Calculus one Variable	M. Thamban Nair	1
18	1407	A Beginner's Guide to Finite Mathematics	W.D. Wallis	1
20	1409	An Introduction to Laplace Transforms and Fourier Series	P.P.G.DykeHarikishan	1
21	1410	Vector algebra and calculus	Hari Kishan	1
22	1411	undergraduate analysis	Serge Lang	1
23	1412	A field guide to Algebra	Antoine Chembert -loir	1
24	1413	Rational Points on Elliptic curves	Joseph Silverman	1

25	1414	Linear Algebra	K. Rana	1
26	1415	Algebra -I	Asha Gaurishankar	1
27	1416	Linear Algebra	harvey e.rose	1
28	1417	Probability Theory	Yuan Shh chow	1
29	1418	Advanced Graphy Theory	S.k.yadav	1
30	1419	Topology	M.Ganesh	1
31	1420	Mathematics-II	Shadap Ahmad khan	1
32	1421	Calculus	J.P.Singh	1
33	1422	Complex Analysis	John M. Howie	1
34	1423	An Introduction to the theory of numbers	ivan Niven	1
35	1424	Fourier and wavelet Analysis	George Bachman	1
36	1425	Economist's Mathematical Monual	Khnut Sydsaeffer	1
37	1426	Vedic mathematics	V.S. Agarwala	1
38	1427	Business Mahematics	J.P.singh	1
39	1428	Theory and Applications of Partial Functional Differential equations	Jainhong wu.	1
40	1429	Partial Differential equations	Michael E. Taylor	1
41	1430	Discrete Mathematics with graph Theory	S.k. Yadav	1
42	1431	Modern Algera	S. Arumugam	5
43	1432	Modern Algera	S.Arumugam	
44	1433	Modern Algera	S.Arumugam	
45	1434	Modern Algera	S.Arumugam	
46	1435	Modern Algera	S.Arumugam	
47	1436	Operations Research	Kanti Swarup	2
48	1437	Operations Research	Kanti Swarup	
49	1438	Operations Research	P.k.Gupta	2
50	1439	Operations Research	P.k.Gupta	
51	1440	Operations Research	P.K.Gupta D.s Hira	5
52	1441	Operations Research	P.K.Gupta D.s Hira	
53	1442	Operations Research	P.K.Gupta D.s Hira	
54	1443	Operations Research	P.K.Gupta D.s Hira	
55	1444	Operations Research	P.K.Gupta D.s Hira	
56	1445	Methods of Reaal analysis	Richard gold berg	5
57	1446	Methods of Reaal analysis	Richard gold berg	
58	1447	Methods of Reaal analysis	Richard gold berg	

59	1448	Methods of Reaal analysis	Richard gold berg	
60	1449	Methods of Reaal analysis	Richard gold berg	
61	1450	Introductory methods of Numerical analysis	S.S.Sastry	5
62	1451	Introductory methods of Numerical analysis	S.S.Sastry	
63	1452	Introductory methods of Numerical analysis	S.S.Sastry	
64	1453	Introductory methods of Numerical analysis	S.S.Sastry	
65	1454	Introductory methods of Numerical analysis	S.S.Sastry	
66	1455	Topics in algebra	I.n.Herstein	2
67	1456	Topics in algebra	I.n.Herstein	
68	1457	Invitation to graph Theory	S.Arumugam	3
69	1458	Invitation to graph Theory	S.Arumugam	
70	1459	Invitation to graph Theory	S.Arumugam	
71	1460	Complex Analysis	S.Arumugam	2
72	1461	Complex Analysis	S.Arumugam	
73	1462	Complex Analysis	S.Narayanan	3
74	1463	Complex Analysis	S.Narayanan	
75	1464	Complex Analysis	S.Narayanan	
76	1465	Calculus Volume -2	S.Narayanan	4
77	1466	Calculus Volume -2	S.Narayanan	
78	1467	Calculus Volume -2	S.Narayanan	
79	1468	Calculus Volume -2	S.Narayanan	
80	1469	Calculus volume -1	S.Narayanan	5
81	1470	Calculus volume -1	S.Narayanan	
82	1471	Calculus volume -1	S.Narayanan	
83	1472	Calculus volume -1	S.Narayanan	
84	1473	Calculus volume -1	S.Narayanan	
85	1474	Sequences and Series	Arumugam	3
86	1475	Sequences and Series	Arumugam	
87	1476	Sequences and Series	Arumugam	
88	1477	Trigonometry	Arumugam	4
89	1478	Trigonometry	Arumugam	
90	1479	Trigonometry	Arumugam	
91	1480	Trigonometry	Arumugam	

92	1481	Calculus	Arumugam	4
93	1482	Calculus	Arumugam	
94	1483	Calculus	Arumugam	
95	1484	Calculus	Arumugam	
96	1485	Calculus	P.Durai Pandiyan	1
97	1486	Mehanics	P.Durai Pandiyan	5
98	1487	Mehanics	P.Durai Pandiyan	
99	1488	Mehanics	P.Durai Pandiyan	
100	1489	Mehanics	P.Durai Pandiyan	
101	1490	Mehanics	P.Durai Pandiyan	5
102	1491	Topics in algebra	I.n.Herstein	
103	1492	Topics in algebra	I.n.Herstein	
104	1493	Topics in algebra	I.n.Herstein	
105	1494	Topics in algebra	I.n.Herstein	5
106	1495	Topics in algebra	I.n.Herstein	
107	1496	Graph Theory	Narsingh Deo	
108	1497	Graph Theory	Narsingh Deo	
109	1498	Graph Theory	Narsingh Deo	5
110	1499	Graph Theory	Narsingh Deo	
111	1500	Graph Theory	Narsingh Deo	
112	1501	Differential equations and its Applications	S.Narayanan	
113	1502	Differential equations and its Applications	S.Narayanan	5
114	1503	Differential equations and its Applications	S.Narayanan	
115	1504	Differential equations and its Applications	S.Narayanan	
116	1505	Differential equations and its Applications	S.Narayanan	
117	1506	Modern analysis	S.Arumugam	5
118	1507	Modern analysis	S.Arumugam	
119	1508	Modern analysis	S.Arumugam	
120	1509	Modern analysis	S.Arumugam	
121	1510	Modern analysis	S.Arumugam	5
122	1511	Numerical analysis with Programming in C	Arumugam Isaac	
123	1512	Numerical analysis with Programming in C	Arumugam Isaac	

124	1513	Numerical analysis with Programming in C	Arumugam Isaac	
125	1514	Numerical analysis with Programming in C	Arumugam Isaac	
126	1515	Numerical analysis with Programming in C	Arumugam Isaac	
127	1516	Statistics	Arumugam	5
128	1517	Statistics	Arumugam	
129	1518	Statistics	Arumugam	
130	1519	Statistics	Arumugam	
131	1520	Statistics	Arumugam	
132	1521	Classical algebra theory of equations	Arumugam	5
133	1522	Classical algebra theory of equations	Arumugam	
134	1523	Classical algebra theory of equations	Arumugam	
135	1524	Classical algebra theory of equations	Arumugam	
136	1525	Classical algebra theory of equations	Arumugam	
137	1526	Summation of Series & Trigonometry	Arumugam	5
138	1527	Summation of Series & Trigonometry	Arumugam	
139	1528	Summation of Series & Trigonometry	Arumugam	
140	1529	Summation of Series & Trigonometry	Arumugam	
141	1530	Summation of Series & Trigonometry	Arumugam	
142	1531	Analytical Geometry 3D & Vector Calculus	Arumugam	5
143	1532	Analytical Geometry 3D & Vector Calculus	Arumugam	
144	1533	Analytical Geometry 3D & Vector Calculus	Arumugam	
145	1534	Analytical Geometry 3D & Vector Calculus	Arumugam	
146	1535	Analytical Geometry 3D & Vector Calculus	Arumugam	
147	1536	Trigonometry	S.Narayanan	5
148	1537	Trigonometry	S.Narayanan	
149	1538	Trigonometry	S.Narayanan	
150	1539	Trigonometry	S.Narayanan	
151	1540	Trigonometry	S.Narayanan	
152	1541	Analytical Geometry	T.K. Manicavachagam	6
153	1542	Analytical Geometry	T.K. Manicavachagam	
154	1543	Analytical Geometry	T.K. Manicavachagam	
155	1544	Analytical Geometry	T.K. Manicavachagam	



156	1545	Analytical Geometry	T.K. Manicavachagam	
157	1546	Analytical Geometry	T.K. Manicavachagam	
158	1547	A Course in Abstract Algebra	Vijay Khanna	5
159	1548	A Course in Abstract Algebra	Vijay Khanna	
160	1549	A Course in Abstract Algebra	Vijay Khanna	
161	1550	A Course in Abstract Algebra	Vijay Khanna	
162	1551	A Course in Abstract Algebra	Vijay Khanna	
163	1552	Operations Research	S.Kalavathy	4
164	1553	Operations Research	S.Kalavathy	
165	1554	Operations Research	S.Kalavathy	
166	1555	Operations Research	S.Kalavathy	
167	1556	Topology	Silvio Levy	1
168	1557	Fields and Galois Theory	John M. Howie	1
169	1558	Short Calculus	Serge Lang	1
170	1559	Mathematical Logic	Ian Chiswell	1
171	1560	Sequence Spaces and Nonarchimedean analysis	Sudarsan Nanda	1
172	1561	Operations Research	S.Kalavathy	1
173	1562	Elements of functional Analysis	Francis Hirsch	1
174	1563	A Course on Borel sets	S.m. Srivasava	1
175	1564	Mathematical logic for computer science	John Vinee	1
176	1565	Statistics for beginners	Vijaya Krishnan	1
177	1566	Theory of equations	Hari Kishan	1
178	1567	Mathematical logic for computer science	Mordechai Benari	1
179	1568	Men of Mathematics	E.T.Bell	1
180	1569	Probability and numerical methods	J.P.Singh	1
181	1570	Conducting experiments in mathematical Laboratory	R.B.Aggarwal	1
182	1571	Elements graph Theory	S.K.Yadav	1
183	1572	Basic Mathematics for BCA	J.P.Singh	1
184	1573	Mathematics for computer graphics	John vince	1
185	1574	Trigonometry	Hari Kishan	1
186	1642	Algebra Vol.1	T.K. Manicavachagam	1
187	1643	Algebra Theory of equations	Arumugam	1
188	1725	Discrete Mathematics	Dr. M.K. Venkataraman	1
189	1726	Analytical Geomentry	manicavachagam Pillay	1

190	1727	Discrete Mathemactical Structure with applications to comp. science	J.P. Tremblay	1
191	1859	Mechanics	Dr. Durai Pandiyan	1
192	1860	Statics Theory & Practice	R.S.N. Pillai	1
193	1861	Methods of Reaal analysis	Richard gold berg	1
194	1862	Numerical Methods	P. Kandasamy	1
195	1863	Statics	M.K. Venkataraman	1
196	1864	Statistics	Dr. S. Arumugam	1
197	1865	operation research an introduction	Hamdy A. Taha	1
198	1866	problems in opereation research	Er. Prem Kumar Gupta	1
199	1898	Engineering Mathematics	T.Veerajan	2
200	1899	Engineering Mathematics	T.Veerajan	
201	1900	Calculus V.III	S.Narayanan T.K. Manicavachagam	2
202	1901	Calculus V.III	S.Narayanan T.K. Manicavachagam	
203	2220	Modern algebra	S.Arumugam Isaac	1
204	2221	fuzzy sets & fuzzy logic with engineering applications	Timothy J. Ross	1
205	2222	A course in abstract algebra	Vijay khanna s.K. Bhambri	1
206	2223	Fuzzy set theory	H.J. Zimmer man	1
207	2224	Differential equations and applications	S.Arumugam A.Thangapandiyan	1
208	2225	Dynamics	Venkataraman	2
209	2226	Dynamics	Vemkataraman	

### STAFF PROFILE



**Name: Mrs.G. GUNAVATHY., M.Sc., M.Phil., B.Ed**

**Designation : Head/Assistant Professor, Department of Mathematics**

She is the Head and lecturer with 11 years of experience in teaching. She has participated in international, National and state level Webinars, Seminars, Workshops and Research oriented Programs. She has organised many Faculty Development Programs, Webinars and State level Online Mathematics Quizzes for Students Development. She is interested and actively involved in facilitating and guiding women folks to enhance and enlighten their knowledge and values in the society.



**Name: Mrs. S. PRIYANGAGANDHI., M.Sc., M.Phil., DTED.,**

**Designation : Assistant Professor, Department of Mathematics**

She is a lecturer with 3 years of experience in teaching. She has participated and attending state level seminars and Research oriented Lecture series. She is interested and actively involved in facilitating and guiding women folks to enhance and enlighten their knowledge and values in the society.



**Name: Mrs. M. UMA MAHESWARI., M.Sc., M. Phil., B.Ed.**

**Designation : Assistant Professor, Department of Mathematics**

She is a lecturer with 9 years of experience in teaching. She has participated and attending in many State and National level Seminars/ Workshops /Conferences. She is interested in teaching all subjects. She is interested and actively involved in facilitating and guiding women folks to enhance and enlighten their knowledge and values in the society.



**Name: Ms. R.SAJITHA RUBINI, M.Sc.,B.Ed.,DCA**

**Designation: Assistant Professor, Department of Mathematics**

She is a lecturer with 3 years of experience in teaching. She has participated and attended in many State and National level Seminars/ Workshops /Conferences. She is interested and actively involved in facilitating and guiding women folks to enhance and enlighten their knowledge and values in the society.



**Name: Mrs.G.Vinoja., M.Sc., M. Phil., B.Ed.,**

**Designation : Assistant Professor, Department of Mathematics**

She is a lecturer with 08 Months of experience in teaching. She has participated and attending in many State and National level Seminars/ Workshops /Conferences. She is interested in teaching all subjects. She is interested and actively involved in facilitating and guiding women folks to enhance and enlighten their knowledge and values in the society.

#### **STUDENT ACADEMIC PROFILE**

**ALAGAPPA UNIVERSITY, KARAIKUDI**  
**NEW SYLLABUS UNDER CBCS PATTERN (w.e.f. 2017-18)**

#### **B.Sc. MATHEMATICS – PROGRAMME STRUCTURE**

Sem.	Part	Course Code	Title of the Course	Cr.	Hrs. / Week	Max. Marks		
						Int.	Ex t.	Tot al

I	I	711T	<b>Tamil / Other Languages – I</b>	3	6	25	75	100
	II	712E	<b>English – I</b>	3	6	25	75	100
	III	7BMA1	<b>Core-I-Calculus</b>	4	6	25	75	100
		7BMA1	<b>Core-II-Algebra and Trigonometry</b>	4	6	25	75	100
			<b>Allied – I (Theory only) (or)</b>	5	5	25	75	100
			<b>Allied – I (Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – I</b>	-	2**	--	--	---
	IV	7NME1	<b>(1) Non-Major Elective – I</b>	2	1	25	75	100
		7NME1B						
		7NME1C						
			<b>Total (Allied Theory only)</b>	<b>21</b>	<b>30</b>	<b>--</b>	<b>--</b>	<b>600</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>20</b>				<b>575</b>
II	I	721T	<b>Tamil / Other Languages – II</b>	3	6	25	75	100
	II	722E	<b>English – II</b>	3	6	25	75	100
	III	7BMA2	<b>Core-III-Analytical Geometry of 3D and vector Calculus</b>	4	6	25	75	100
		7BMA2	<b>Core-IV-Sequences and Series</b>	4	5	25	75	100
			<b>Allied – II (Theory only) (or)</b>	5	5	25	75	100
			<b>Allied– II (Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – I</b>	2	2	20	30	50
	IV	7BES2	<b>(3) Environmental Studies</b>	2	2	25	75	100
			<b>Total (Allied Theory only)</b>	<b>21</b>	<b>30</b>	<b>--</b>	<b>--</b>	<b>600</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>22</b>				<b>625</b>
III	I	731T	<b>Tamil / Other Languages – III</b>	3	6	25	75	100
	II	732E	<b>English – III</b>	3	6	25	75	100
	III	7BMA3	<b>Core-V-Abstract Algebra</b>	4	5	25	75	100
	III	7BMA3	<b>Core-VI-Differential Equations and its applications</b>	4	5	25	75	100
	III		<b>Allied – III (Theory only) (or) Allied-III</b>	5	5	25	75	100
			<b>theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – II</b>	-	2**	--	--	---
	IV	7NME3	<b>(1) Non-major Elective – II</b>	2	1	25	75	100
		7NME3B						
		7NME3C						
		7SBS3A	<b>(2) Skill Based Subjects– I</b>	2	2	25	75	100
		7SBS3A						
		7SBS3A						
	V	7BEA3	<b>Extension Activities</b>	1	-	100	-	100

			<b>Total (Allied Theory only)</b>	<b>24</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>800</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>23</b>				<b>775</b>
IV	I	741T	<b>Tamil / Other Languages – IV</b>	3	6	25	75	100
	II	742E	<b>English – IV</b>	3	6	25	75	100
	III	7BMA4	<b>Core–VII-Transform Techniques</b>	4	5	25	75	100
	III	7BMA4	<b>Core–VIII-Linear Algebra</b>	4	4	25	75	100
	III		<b>Allied – IV(Theory only) (or)</b>	5	5	25	75	100
			<b>Allied –IV(Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical - II</b>	2	2	20	30	50
	IV	7SBS4B	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100
		7SBS4B						
		7SBS4B						
		7BVE4/ 7BMY4/ 7BWS4	<b>(4) Value Education / Manavalakalai Yoga / Women’s Studies</b>	2	2	25	75	100
			<b>Total (Allied Theory only)</b>	<b>23</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>700</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>24</b>				<b>725</b>
V	III	7BMA5	<b>Core–IX-Real Analysis</b>	4	6	25	75	100
	III	7BMA5	<b>Core–X-Statistics I</b>	4	5	25	75	100
	III	7BMA5	<b>Core–XI-Operations Research I</b>	4	5	25	75	100
	III	7BMAE1 A/ 7BMAE1	<b>Elective (I) - A) Graph Theory (or) B) Special Functions</b>	5	5	25	75	100
	III	7BMAE2 A/ 7BMAE2	<b>Elective (II) – A) Numerical Analysis ) B) Combinatorics</b>	5	5	25	75	100
	IV	7SBS5A	<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100
		7SBS5A5/ BS5A6/ 7SBS5A	<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100
			<b>Total</b>	<b>26</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>700</b>
VI	III	7BMA6	<b>Core – XII Mechanics</b>	4	6	25	75	100
	III	7BMA6	<b>Core – XIII Complex Analysis</b>	4	5	25	75	100
	III	7BMA6	<b>Core – XIV Statistics II</b>	4	5	25	75	100

	III	7BMA6	<b>Core – XV Operations Research II</b>	4	5	25	75	100
	III	7BMAE3 A/ 7BMAE3	<b>Elective – III A)</b> Discrete Mathematics <b>) B)</b> Fuzzy Algebra	5	5	25	75	100
	IV	7SBS6B	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100
		7SBS6B	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100
		7SBS6B						
		7SBS6B						
<b>Total</b>				<b>25</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>700</b>
<b>Grand Total</b>				<b>140</b>	<b>180</b>	<b>-</b>	<b>-</b>	<b>4100</b>

ALAGAPPA UNIVERSITY, KARAIKUDI  
**NEW SYLLABUS UNDER CBCS PATTERN FOR AFFILIATED COLLEGES WITH  
EFFECT FROM THE ACADEMIC YEAR 2022-2023 ONWARDS**

**B.Sc. MATHEMATICS  
Programme Structure**

Sem.	Part	Course Code	Courses	Title of the Paper	T/P	Credit	Hours/ Week	Max. Marks		
								Int.	Ext.	Total
I	I	2211T	T/OL	Tamil/Other Languages-I	T	3	6	25	75	100
	II	712CE	E	Communicative English -I	T	3	6	25	75	100
	III	22BMA1C1	CC	Differential Calculus and Trigonometry	T	5	5	25	75	100
		22BMA1C2	CC	Classical Algebra	T	4	4	25	75	100
		-	AL-IA	Statistics – I (or) Physics/ Chemistry / Computer Science	T	3	3	25	75	100
		-	AL-IA	Practical- Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BVE1	SEC -I	Value Education	T	2	2	25	75	100
				Library			2			
				<b>Total</b>		<b>22</b>	<b>30</b>	<b>190</b>	<b>510</b>	<b>700</b>
II	I	2221T	T/OL	Tamil/Other Languages-II	T	3	6	25	75	100
	II	722CE	E	Communicative English - II	T	3	6	25	75	100
	III	22BMA2C1	CC	Analytical Geometry and Vector Calculus	T	5	5	25	75	100
		22BMA2C2	CC	Integral Calculus	T	4	4	25	75	100
		-	AL-IB	Statistics – II (or) Physics/ Chemistry	T	3	3	25	75	100

				/Computer Science						
		-	AL-IB	Practical- Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BES2	SEC-II	Environmental Studies	T	2	2	25	75	100
				Library			2			
				Total		<b>22</b>	<b>30</b>	<b>190</b>	<b>510</b>	<b>700</b>
III	I	2231T	T/OL	Tamil/Other Languages-III	T	3	6	25	75	100
	II	2232E	E	English for Enrichment-I	T	3	6	25	75	100
	III	22BMA3C1	CC	Differential Equations	T	5	5	25	75	100
		22BMA3C2	CC	Abstract Algebra	T	4	4	25	75	100
		-	AL-IIA	Statistics – I (or) Physics/ Chemistry /Computer Science	T	3	3	25	75	100
		-	AL-IIA	Practical- Respective Allied Theory Course	P	2	2	40	60	100
	IV	22BE3	SEC-III	Entrepreneurship	T	2	2	25	75	100
		-	NME-I	Adipadai Tamil AdvanceTamil IT Skills for Employment/MOOC’S	T	2	2	25	75	100
				<b>Total</b>		<b>24</b>	<b>30</b>	<b>215</b>	<b>585</b>	<b>800</b>
	IV	I	2241T	T/OL	Tamil/Other Languages -IV	T	3	6	25	75
II		2242E	E	English for Enrichment-II	T	3	6	25	75	100
III		22BMA4C1	CC	Sequences and Series	T	4	4	25	75	100
		22BMA4C2	CC	Linear Algebra	T	4	4	25	75	100
		22BMA4C3	CC	Transform Techniques	T	3	3	25	75	100
		-	AL-IIB	Statistics – II (or) Physics/ Chemistry / Computer Science	T	3	3	25	75	100
		-	AL-IIB	Practical- Respective Allied Theory	P	2	2	40	60	100



				Course						
	IV		NME-II	Adipadai Tamil AdvanceTamil Small Business Management/MOOC'	T	2	2	25	75	100
				Total		<b>24</b>	<b>30</b>	<b>215</b>	<b>585</b>	<b>800</b>
V	III	22BMA5C1	CC	Real Analysis	T	4	5	25	75	100
		22BMA5C2	CC	Graph Theory	T	4	5	25	75	100
		22BMA5C3	CC	Operations Research - I	T	4	4	25	75	100
		22BMA5C4	CC	Numerical Analysis	T	4	4	25	75	100
		22BMA5P1/ 22BMA5P2	CC	Practical-I – Choose any ONE A Practical Approach to Optimization Techniques MS Office with Lab	P	4	5	40	60	100
		22BMA5P3/ 22BMA5P4	CC	Practical-II - Choose any ONE An Algorithmic Approach in Numerical Analysis LaTex	P	4	5	40	60	100
				Career development/employability skills			2			
				Total		<b>24</b>	<b>30</b>	<b>180</b>	<b>420</b>	<b>600</b>
VI	III	22BMA6I	DSE	Internship		<b>24</b>	<b>30</b>	<b>150</b>	<b>250</b>	<b>400</b>
				<b>Or</b>						
		22BMA6E1		Complex Analysis	T	6	6	25	75	100
		22BMA6E2		Operations Research - II	T	6	6	25	75	100
		22BMA6E3		Mechanics	T	6	6	25	75	100
		22BMA6E4		Number Theory	T	6	6	25	75	100
				Library/ Yoga etc			2			
				Career development/employability skills/Fieldtrip		-	4	-	-	
						<b>24</b>	<b>30</b>	<b>100</b>	<b>300</b>	<b>400</b>
				<b>Or</b>						
		22BMA6PR		Project		6	10	25	75	100
		22BMA6E1		Complex Analysis	T	6	6	25	75	100
		22BMA6E2		Operations Research -II	T	6	6	25	75	100
		22BMA6E3		Mechanics	T	6	6	25	75	100
			others	Library/Yoga /Career development /employability skills/Field trip etc.			2			
		<b>Total</b>				<b>24</b>	<b>30</b>	<b>100</b>	<b>300</b>	<b>400</b>
		<b>Grand Total</b>				<b>140</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>4000</b>

**NEW SYLLABUS UNDER CBCS PATTERN FOR AFFILIATED COLLEGES WITH  
EFFECT FROM THE ACADEMIC YEAR 2023 ONWARDS**

Sem	Part	Course Code	Courses	List of Courses	T/P	Cre dit	Hou rs/ wee k	Max .Marks		
								Int.	Ext.	Total
I	Part - I	2311T	T/OL	Tamil illakiya varalaru I /Other Language-I	T	3	6	25	75	100
	Part-II	2312E	E	General English-I	T	3	6	25	75	100
	Part - III	23BMA1C1	CC-I	Algebra &Trigonometry	T	5	5	25	75	100
		23BMA1C2	CC-II	Differential Calculus	T	3	4	25	75	100
		-	Gene ric Electi ve (Allie d)	Numerical Methods with Applications/ Physics / Chemistry	T	3	3	25	75	100
				Practical -Respective Allied Theory	P	2	2	25	75	100
	Part-IV	23BMA1S1	SEC-I	Latex	T	2	2	25	75	100
		23BMA1FC	FC	Bridge Mathematics	T	2	2	25	75	100
					<b>TOTAL</b>	<b>-</b>	<b>23</b>	<b>30</b>	<b>200</b>	<b>600</b>
II	Part - I	2321T	T/OL	Tamil Illakkiya Varalaru II/ Other Language-II	T	3	6	25	75	100
	Part-II	2322E	E	General English-II	T	3	6	25	75	100
	Part - III	23BMA2C1	CC-III	Analytical Geometry (Two & Three Dimensions)	T	4	5	25	75	100
		23BMA2C2	CC-IV	Integral Calculus	T	4	4	25	75	100
		-	Gene ric Electi ve (Allie d)	Astronomy or Allied Physics II or Allied Chemistry II	T	3	3	25	75	100
				Practical -Respective Allied Theory	P	2	2	25	75	100
	Part-IV	23BMA2S1	SEC-II	Computing Skills (Office Automation)	T	2	2	25	75	100

		23BMA2S2	SEC-III	Mathematics for Competitive Examination	T	2	2	25	75	100
						<b>23</b>	<b>30</b>	<b>200</b>	<b>600</b>	<b>800</b>
III	Part - I	2331T	T/OL	Tamilaga varalarum panbadum/ Other Languages	T	3	6	25	75	100
	Part- II	2332E	E	General English-III	T	3	6	25	75	100
	Part - III	23BMA3C1	CC-V	Vector Calculus and its Applications	T	4	5	25	75	100
		23BMA3C2	CC-VI	Differential Equations and Applications	T	4	4	25	75	100
		-	Gene ric Electi ve (Allie d)	Mathematical Statistics Theory & Practical	T	3	3	25	75	100
				Practical -Respective Allied Theory	P	2	2	25	75	100

## RESULT ANALYSIS

### External Mark Statement

**Batch ( 2023-2026) First Semester Nov-2023**

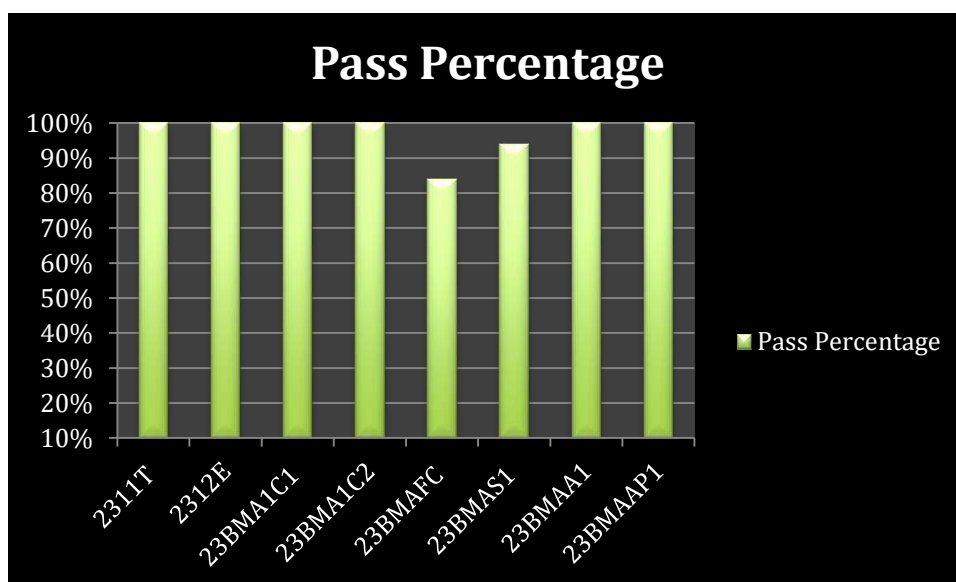
S. No	Name	2311T	2312E	23BMA1C1	23BMA1C2	23BMAFC	23BMAAS1	23BMAA1	23BMAAP1
1	B. Abinaya	69	63	96	62	60	70	78	100
2	P.Dhanalakshmi	71	63	91	76	53	58	69	99
3	K.Dharanya	76	62	90	70	61	78	61	99
4	B. DurgaDevi	88	70	98	95	69	86	82	100
5	N. Gobika	65	57	91	54	56	80	60	100
6	C. Harshini	70	66	90	59	73	59	67	100
7	R.Kirija	73	75	85	100	55	55	67	98
8	S.Nitharsana	80	75	96	100	76	71	81	100
9	S.Poovizhiyal	70	53	96	81	54	37	77	97
10	M.Santhiya	66	50	75	74	27	54	52	98
11	S.Sathiya bama	79	72	82	91	31	76	81	100
12	A.Sobana shree	62	55	86	54	53	61	53	98
13	T.Subha shri	78	74	97	83	67	72	59	100

SUB NAME	SUB HANDLING STAFF
<b>Tamil</b>	Mrs.Kavika
<b>General English -I</b>	Mrs.porselvi
<b>Algebra and trigonometry</b>	Mrs.Priyangagandhi
<b>Differential Calculus</b>	Mrs M.Umamaheswari
<b>Bridge mathematics</b>	Mrs.G.Vinoja
<b>LaTeX</b>	Mrs.G.Vinoja
<b>Numerical methods with application</b>	Mrs.G.Gunavathy
<b>Numerical methods with application practical</b>	Mrs.G.Gunavathy

	<b>2311T</b>	<b>2312E</b>	<b>23BMA1C1</b>	<b>23BMA1C2</b>	<b>23BMAFC</b>	<b>23BMAAS1</b>	<b>23BMAA1</b>	<b>23BMAAP1</b>
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		<b>Total no of students</b>	13	13	13	13	13	13	13	13	13	13	13	13
	Part-I	23BMA3S1	13	SEC-IV	Web Designing		T	2	2	25	75	100		
	<b>Total no of students</b>	233AT/13 23BMA3S2	13	SEC-V	Adipadai Tamil/ Data Analysis using SPSS	13	T	13	2	13	2	25	75	100
	<b>attended</b>							<b>23</b>	<b>30</b>	<b>200</b>	<b>600</b>	<b>800</b>		
	<b>Total no of students</b>	2341T	13	T/OL	Tamilum ariviyalum Other Languages	11	T	12	3	13	6	25	75	100
	<b>Passed</b>	2342E	E		General English-IV		T	3	6	25	75	100		
	<b>Total no of students failed</b>	23BMA4C1	-	-	-	-	02	01	-	-	-	-	-	-
	<b>Total no of Part percentage</b>	23BMA4C2	100%	100%	100%	100%	84%	94%	3	100%	100%	25	75	100
IV	Part-III				Industry Mathematics: Linear Programming Problem		T	4	4	25	75	100		
		-		Gener ic Electi ve (Allie d)	Transformation Techniques		T	3	3	25	75	100		
					Practical -Respective Allied Theory		P	2	2	25	75	100		
	Part-IV	23BMA4S1		SEC-VI	Introduction to Data Science		T	2	2	25	75	100		
		234AT/ 23BMA4S2		SEC-VII	Adipadai Tamil/ Computational Mathematics		T	2	2	25	75	100		
		23BES4		EVS	Environmental Studies		T	2	2	25	75	100		
								<b>24</b>	<b>30</b>	<b>225</b>	<b>675</b>	<b>900</b>		
V	Part-III	23BMA5C1		CC-IX	Abstract Algebra		T	4	5	25	75	100		
		23BMA5C2		CC-X	Real Analysis		T	4	5	25	75	100		
		23BMA5C3		CC-XI	Mathematical Modelling		T	4	5	25	75	100		
		23BMA5P R		CC-XII	Project with Viva voce			4	5	25	75	100		
		23BMA5E1		DSE-I	Optimization Techniques		T	3	4	25	75	100		
		23BMA5E2		DSE-II	Programming in C with Practical		T&P	3	4	25	75	100		
	Part-IV	23BVE5			Value Education		T	2	2	25	75	100		
		23BMA5I			Internship / Industrial Training (Summer vacation at the end of IV semester activity)			2	-	25	75	100		
								<b>26</b>	<b>30</b>	<b>200</b>	<b>600</b>	<b>800</b>		
VI	Part-II	23BMA6C1		CC-XIII	Linear Algebra		T	4	6	25	75	100		
		23BMA6C2		CC-XIV	Complex Analysis		T	4	6	25	75	100		
		23BMA6C3		CC-XV	Mechanics		T	4	6	25	75	100		

		23BMA6E1	DSE-III	Programming in C++ with Practical	T&P	3	5	25	75	100
		23BMA6E2	DSE-IV	Graph Theory and its Applications	T	3	5	25	75	100
	Part-IV	23BMA6S1	Professional Competency Skill	Essential Reasoning and Quantitative Aptitude	T	2	2	25	75	100
		--		Extension Activity		1				
						<b>21</b>	<b>30</b>	<b>150</b>	<b>450</b>	<b>600</b>
						<b>140</b>	<b>-</b>	<b>1175</b>	<b>3525</b>	<b>4700</b>



**Batch (2023-2026) Second Semester APRIL -2023 Results Awaited**

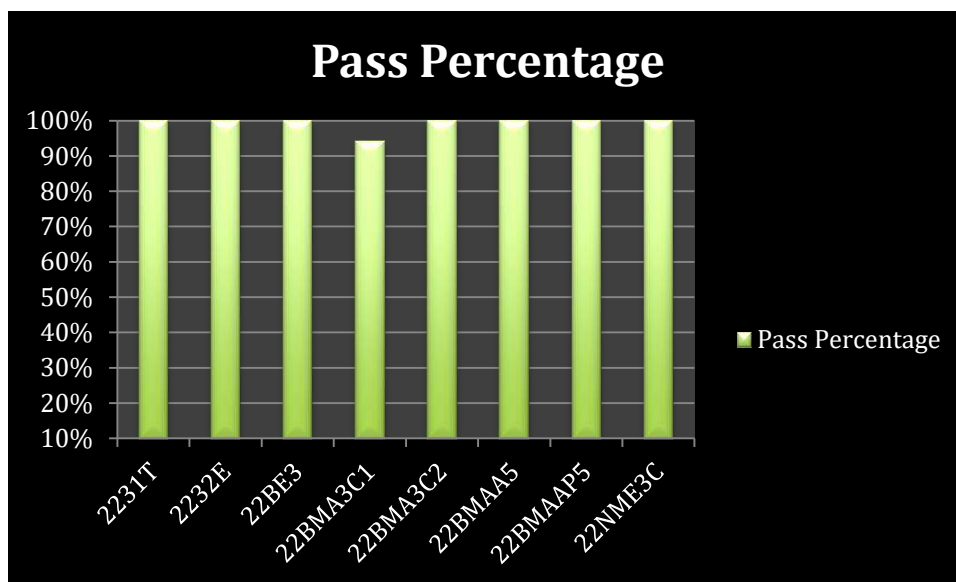
**Batch (2022-2025) Third Semester November -2022**

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	2231T	2232E	22BE3	22BMA3C1	22BMA3C2	22BMAA5	22BMAAP5	22NME3C
1.	5822121001	V.Akalya	65	56	80	87	68	80	96	73
2.	5822121002	M.Dharshini	63	57	64	61	62	62	79	69
3.	5822121003	T.Gayathri	59	54	55	54	58	68	98	56
4.	5822121004	R.Hieshalini	85	68	85	98	70	98	100	82
5.	5822121005	V.Indhumathi	76	<b>56</b>	73	67	62	52	69	69
6.	5822121006	N.Jenita	75	56	82	73	79	78	97	77
7.	5822121007	M.Kalpana	64	62	81	85	68	71	95	84

8.	5822121008	R.Kaviya	62	56	76	65	73	86	86	73
9.	5822121009	C.Mathumitha	73	77	82	81	73	73	92	83
10.	5822121011	M.Mothiha Shree	77	81	97	90	95	89	96	97
11.	5822121012	R.Nivetha	71	72	90	91	86	78	100	85
12.	5822121013	J.Ragavi	76	81	96	88	96	100	100	92
13.	5822121014	S.Ramya Bharathi	78	79	91	68	63	79	77	82
14.	5822121015	S.Sakthi Shivani	60	69	68	37	53	64	83	79
15.	5822121016	S.Suvetha	59	69	92	60	80	60	90	91
16.	5822121017	S.Vijitha	70	79	89	92	97	93	100	85
17.	5822121018	N.Yogitha	58	76	80	53	71	57	72	79
18.	1422121024	R.Srimathi	83	75	94	83	83	90	100	92

SUB CODE	SUB NAME	SUB HANDLING STAFF
2231T	Kapiyamum Pudhinamum	Ms.Dr.Kala
2232E	English for Enrichment-I	Ms. Rassiya Banu
22BE3	Entrepreneurship	Ms.Vinoja
22BMA3C1	Differential Equations	Ms.S.Priyangagandhi
22BMA3C2	Abstract algebra	Ms.R.Sajitha Rubini
22BMAA5	Allied Statistics -I	Ms.G.Gunavathy
22BMAAP5	Allied Statistics –I Practical	Ms.G.Gunavathy
22NME3C	It Skills for Employment	Ms.S.Sarugasini

SUB CODE	Total no of students	Total no of students attended	Total no of students passed	Total no of students failed	Total no of percentage
2231T	18	18	18	NIL	100%
2232E	18	18	18	NIL	100%
22BE3	18	18	18	NIL	100%
22BMA3C1	18	18	17	01	94%
22BMA3C2	18	18	18	NIL	100%
22BMAA5	18	18	18	NIL	100%
22BMAAP5	18	18	18	NIL	100%
22NME3C	18	18	18	NIL	100%



**Batch (2022- 2025) Fourth Semester April -2022 Results Awaited**

**Batch (2021-2024 ) Fifth Semester November-2023**

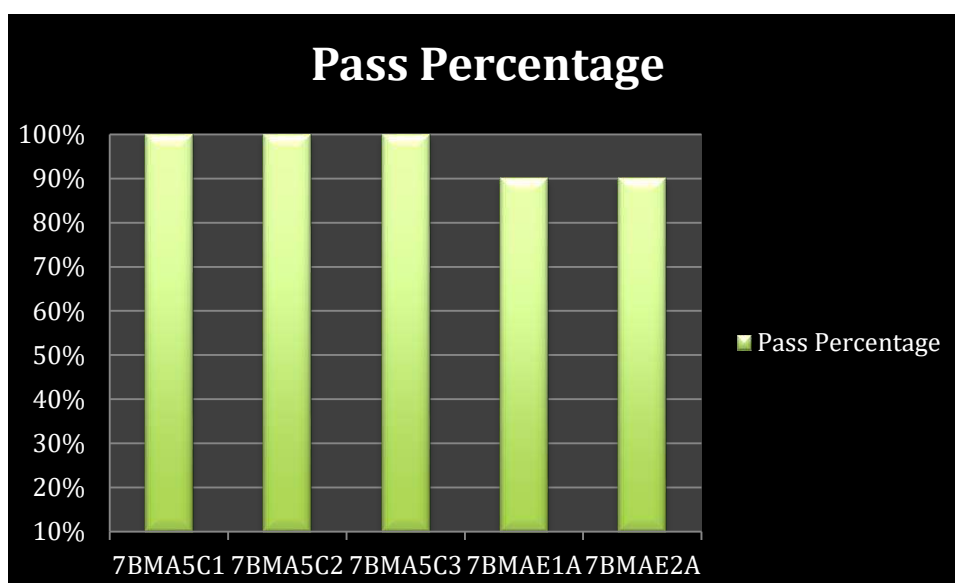
S NO	REGNO	NAME	7BMA 5C1 (100)	7BM A5C2 (100)	7BM A5C3 (100)	7BMA E1A (100)	7BMAE 2A (100)	7SBS5 A4 (100)	7SBS5 A5 (100)
1	5821121001	A. Aburiya	54	68	74	64	66	74	76
2	5821121002	N. Anbuselvi	100	85	92	76	88	98	100
3	5821121003	K..Atchya	68	79	76	60	64	93	95
4	5821121004	M.Ganijeyasri	87	90	91	74	86	97	100
5	5821121005	M.Illakiya	90	95	82	66	75	96	91
6	5821121006	J.Irfana Yasmin	83	94	92	69	71	81	88
7	5821121007	M.Kavi	95	97	94	65	96	100	96
8	5821121008	R. Muthu Meena	81	80	85	37	41	90	87
9	5821121009	P.Pavithra	59	70	75	54	70	93	86
10	5821121010	M. Priyadharshini	85	85	88	69	81	93	97

SUB CODE	SUB NAME	SUB HANDLING STAFF
7BMA5C1	Real Analysis	Ms. R. Sajitha Rubini
7BMA5C2	Statistics I	Ms. R. Sajitha Rubini
7BMA5C3	Operations Research I	Ms. S. Priyangagandhi
7BMAE1A	Graph Theory	Ms. M. Umamaheswari
7BMAE2A	Numerical Analysis	Ms. G.Gunavathy

	7BMA5C1	7BMA5C2	7BMA5C3	7BMAE1 A	7BMAE2A
Total no of students	10	10	10	10	10
Total no of students attended	10	10	10	10	10
Total no of students passed	10	10	10	09	09



<b>Total no of students failed</b>	-	-	-	-	-
<b>Total no of percentage</b>	100%	100%	100%	90%	90%



**Batch (2021-2024) Sixth Semester April -2024 Results Awaited**

### BRIDGE COURSE REPORT (2023-2024)

#### Objectives:

- ✓ To understand the use of numbers and quantities related to their daily life
- ✓ To enable child to solve basic Mathematical problems.
- ✓ To develop in child fundamental skills like logical reasoning, critical thinking.

S.NO	MODULE	NO OF HOURS	ACTIVITY	OUTCOMES
1.	<b>Day 1:</b>	2		
2.	<b>DAY:2</b> <b>Module :1</b> <b>Problem Solving &amp; Analyzing</b> <ul style="list-style-type: none"> <li>➤ Think out of Box</li> <li>➤ Equipment of Math phobia</li> </ul>	2	Explain about how Math is important to everyone by using some interesting fun fact (like Cryptic Math language and Applications of Fibonacci sequence in science and nature)	Students are Actively involved to find some mathematical puzzle (i.e. multiplying factor oriented mathematical puzzle) After introducing such concept, they are able

				to create multiplying factor theory puzzle.
3.	<b>DAY:3</b> <b>Module :2</b> <b>Trigonometry</b> <ul style="list-style-type: none"> <li>➤ Types of angles</li> <li>➤ Applications of Trigonometry</li> </ul>	2	Story telling & Fun Game	Students are able to understand specific functions of angles and their application to calculations.
4.	<b>DAY:4</b> <b>Module :3</b> <b>Algebra</b> <ul style="list-style-type: none"> <li>➤ Algebraic Expression</li> <li>➤ Merits and demerits of Mathematics</li> </ul>	2	Math debate & Fun Game	Students are able to identify the algebraic equation and solve it





### MATHSKEETERS ASSOCIATION ON-STAGE EVENTS

Sl.NO	Month/ Date	Activity	Report
1.	September 14.9.2023	Workshop on LaTeX	Department of Mathematics Organized one day Workshop on LaTeX for the students of Mathematics, Computer Science & BCA
2.	December 22.12.23	National Mathematics Day	National Mathematics Day celebrated to commomerate Srinivasa Ramanujam birthday by Conduiting E-Quiz to the students and faculties of various institutions.
3.	January 6.1.2024	Fibonacci Day Celebration	Department of Mathematics celebrated Fibonacci Day for the students of Mathematics by Conducting Poster Presentation to expose the Fibonacci Magic that are found in our daily life.
4.	19.1.2023	Vetre	Department of Mathematics organized vetre programe to teach the Mathematical tools to the school students of Regunathapuram Govt. Hr. Sec.School

5.	February 02.02.24 to 06.02.24	Educational Tour	6 Students from III B.Sc Maths went to Ooty, Bangalore and Mysore for 5 days Educational Tour.
6.	19.02.24	Awareness Program on Child Marriage.	Students from I BSc Maths done the street play on child marriage awareness.
7.	28.02.24	National Science day	National Science Day celebrated by conducting Speech, Debate, Science Projects, Sci-Quiz.

## One Day Workshop on “LaTex” Report

**Venue:** College Seminar Hall

**Date :** 14.09.23

**Time :** 10am -3.00pm

### Report

Maths Skeeters Association of Velumanogaran Arts and Science College for Women organized One Day Workshop on “LaTex” on 14.9.23 at College Seminar Hall. The Program has been started with prayer song followed by Thamizhlthai Vazhthu. Atchaya of III B.Sc Maths welcomes the gathering by her heart felt words. Our beloved Principal Mam Dr.Kanchana Amaranth inaugurated the workshop by her motivation words and honored the Resource Persons Mrs.J.Malar, Head&Asst Prof of Mathematics and Mr.Kadhar Kani, Asst Prof of Mathematics from Syed Hameedha Arts and Science College, Kilakarai. Our resource person Mrs.J.Malar, Head& Asst Prof of Mathematics starts the session about the basic commands in LaTex and how to create the documents using latex. After the lunch break the technical session has started by our resource person Mr.Kadhar Kani, Asst Prof of Mathematics that how to create documents using tables and how to use Mathematical expressions like Quadratic equations, differential equations, Integrations, Matrices and various symbols in Latex.

### Feedback

Our students shared their feedback to the resource persons and with the principal mam that the Latex Workshop was helpful to learn the programming language and how it is using in Mathematics field and Computer science field. To convey the gratitude to who has given their efforts and supports for this successful event, M.Gani Jeyasri., III- B.Sc Mathematics delivered Vote of thanks. Also Mrs.G.Gunavathy., Head andAsst Prof, Department of Mathematics, VMASCW thank the management, principal and staff for this beautiful opportunity for the students development and made by this workshop was successful.

Finally the workshop winded with “National Anthem”







This is to certify that M. Ganijeyasri, III B. Sc. Mathematics from Velumanoharan Arts And Science College For Women has participated in One Day Workshop on "LaTeX", Organized by Department of Mathematics, Velumanoharan Arts and Science College for Women, Ramanathapuram held on 14 September 2023.

Mrs G Gunavathy  
HOD, VMASCW

Mrs J Malar  
Convenor



Mr B Kathar kani  
Convenor

Dr A Kanchana Amarnath  
Principal

### Abstract:

Total No of Students Participated: 170

Total No. of Staff Participated :5

No.of Certificates Issued : 175

## National level Virtual Mathematical Quiz Report

**Date : 22.12.23**

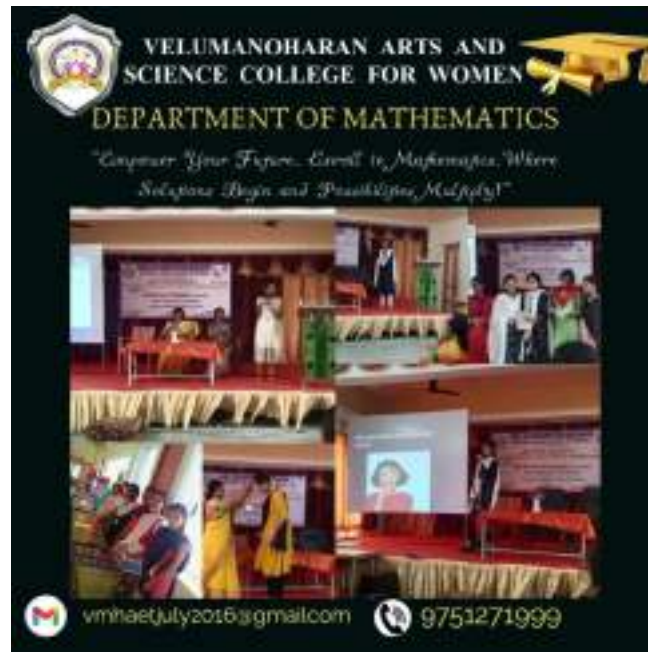
**Mode : online**

### Report

Maths Skeeters Association of Velumanoharan Arts and Science College for Women organized National level Virtual Mathematical Quiz to commemorate the Birth Anniversary of Great Mathematician Srinivasa Ramanujam on 22.12.23 through Online. On the result of this quiz 268 response received from Various colleges and Schools in the following cities Ramanathapuram, Kalaiyar Kovil, Kanchipuram, Chennai, Kanchipuram Trichy, Tripur, Tiruchengode, Coimbatore, Namakkal, Rajasthan, Maharastra, Jaipur, Pune.



## INVITATION



MATHEMATICAL QUIZ LINK □: <https://forms.gle/9aR8wV8NYuS9uGva7>

RESPONSE SHEET LINK □:

<https://docs.google.com/spreadsheets/d/1rRIBAxSpJPEpxU2suYiO9vWFEp2j8uYO3ct-BbXIDAg/edit?usp=drivesdk>

Quiz Activation period: From 22.12.23 to 30.12.23

# VELUMANO HARAN ARTS AND SCIENCE COLLEGE FOR WOMEN

## DEPARTMENT OF MATHEMATICS NATIONAL MATHEMATICS DAY- December,22

Shared by

Velumano Haran Arts and Science College for Women

https://www.facebook.com/velumano.haran.arts.and.science.college.for.women

### MATHEMATICAL QUIZ

🌟"Open the Door to Endless Opportunities  
- Choose Mathematics, Master the Art of  
Precision, and Excel in Every Equation of  
Life!"🌟

### VELUMANO HARAN ARTS AND SCIENCE COLLEGE FOR WOMEN



# VELUMANO HARAN ARTS AND SCIENCE COLLEGE FOR WOMEN

## VELUMANO HARAN ARTS AND SCIENCE COLLEGE FOR WOMEN

Department of Mathematics  
National Mathematics Day- December 22  
2022

<b>IN COURSE:</b> B.A. English B.Com. General B.Com. Hons. B.B.A. B.Sc. Education B.Sc. Physics B.Sc. Computer Science B.Sc. Microbiology B.A.	<b>PG COURSE:</b> M.Com. General M.Com. Hons. M.B.A. M.Sc. Mathematics M.Sc. Physics M.Sc. Computer Science M.Sc. Microbiology M.A.	<b>ADMISSION HELPLINE:</b> 9751271988, 9628408012, 9381761488 Email: <a href="mailto:velumano.haran.arts.and.science.college.for.women@gmail.com">velumano.haran.arts.and.science.college.for.women@gmail.com</a>
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**ADMISSION HELPLINE:** 9751271988, 9628408012, 9381761488  
 Email: [velumano.haran.arts.and.science.college.for.women@gmail.com](mailto:velumano.haran.arts.and.science.college.for.women@gmail.com)

### Department of Mathematics National Mathematics Day

## NATIONAL MATHEMATICS DAY CELEBRATION

### Virtual Mathematical Quiz

1. Which one of the following is not a prime number?

- ☐ 11
- ☐ 13
- ☐ 15
- ☐ 17

2. Add the following numbers: 345, 234, 123, 456.

- ☐ 1158
- ☐ 1159
- ☐ 1160
- ☐ 1161

3. Find the number of triangles in the given figure.



- ☐ 16
- ☐ 9
- ☐ 18
- ☐ 24

10. Which one is 22 in the given clock?



- ☐ 101
- ☐ 102
- ☐ 103
- ☐ 104

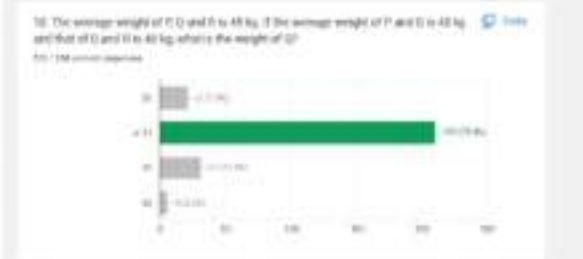
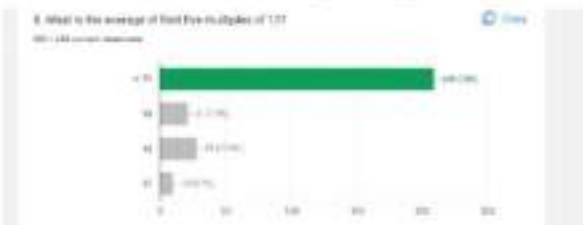
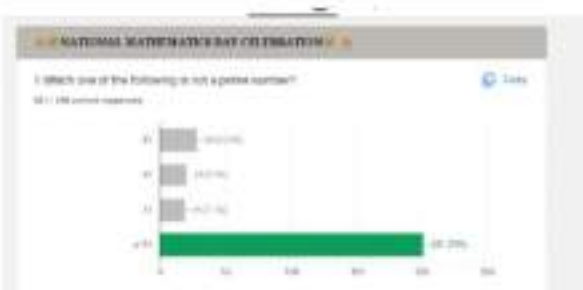
11. The figure shows a rectangle divided into four smaller rectangles. Find the area of the rectangle.



- ☐ 1+2+3+4
- ☐ 1+2
- ☐ 3
- ☐ 1+2+3

17. Devash can cover a certain distance in 1 hour 24 minutes by covering two-third of the distance at 6 km/hour and the rest at 7 km/hr. Calculate total distance.





12. If a bus started from A to B, then it is:

100% correct response



13. A shopkeeper sold an article for Rs. 2000. If the cost price of the article is 2000, find the profit percent.

100% correct response



14. Virus and Mohan working together can complete a work in 6 days if Virus alone completes the same work in 10 days, in how many days Mohan alone can complete the same work?

100% correct response



17. Devash can cover a certain distance in 1 hour 24 minutes by covering two-third of the distance at 5 km/hr and the rest at 7 km/hr. Calculate total distance.

100% correct response



18. Find the H.C.F. of the numbers, who is the ratio of 4 : 5 : 6 and their L.C.M. is 2400.

100% correct response



19. Which symbol will be on the face opposite to the face with symbol

100% correct response



15. Which one will replace the question mark?

100% correct response



16. The diagram given below represents those students who play Cricket, Football and Kabaddi.

100% correct response



17. Devash can cover a certain distance in 1 hour 24 minutes by covering two-third of the distance at 5 km/hr and the rest at 7 km/hr. Calculate total distance.

100% correct response



Zeeshan Samdani Banikar

N.Durairaj

Ms R Sajitha Rubini

1 2 3 4

Institution Name and Address

100% correct

Koval kalaimagal college of arts and science

AVP COLLEGE OF ARTS AND SCIENCE

AVP college of arts and science

Koval kalaimagal college of arts and science

Avp college of arts and science

AVP College of arts and science

1 2 3 4

Registration

100% correct



100% correct

## Certificate



## Abstract:

**Total No of Participants: 268**

Total No of Students Participated: 243

Total No. of Staff Participated :25

No.of Certificates Issued : 268

## FIBONACCI FUN –“24”

**Event :** Poster Presentation

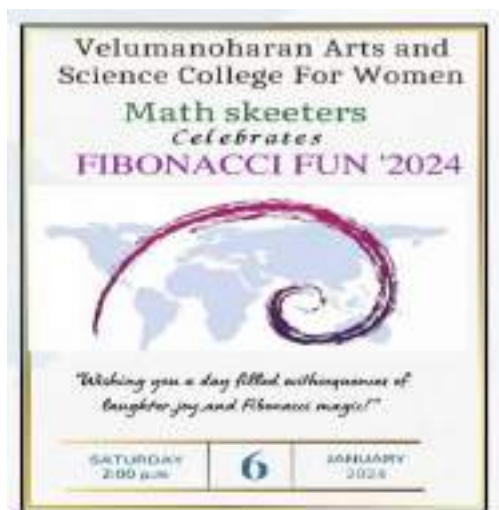
**Date :** 06 .01.24

**Time :** 2.00pm -3.15Pm

**Venue:** Third Year class room

## OBJECTIVES

- The prevalent occurrence Fibonacci concept in nature allows students to see And discover for themselves the presence of mathematics in the environment they live.
- To gain an appreciation and understanding of the world in which we live and how everything is connected
- A great way to learn about and explore the world of Mathematics



## Report

Maths Skeeters Association of Velumanoharan Arts and Science College for Women organized “FIBONACCI FUN -24” on 06.01.24 at Third year class room. The Program has been started with prayer song followed by Thamizhthai Vazhthu. Ganijevasri of III B.Sc Maths welcomes the gathering by her heart felt words. Our beloved Principal Mam Dr.Kanchana Amaranth inaugurated the Poster presentation. by her motivation words and honored the Judges Mrs.Dr,Girija, Head&Asst Prof of Chemistry and Mrs.Sudha, Head&Asst Prof of BCA and Mrs.Shyni,Head & Asst Prof of English, Velumanoharan Arts and Science College For Women,Ramanathapuram.

Nov -23<sup>rd</sup> is celebrated as Fibonacci Day because that date formation represents a Fibonacci Sequence. Students were actively participated in the poster presentation. They exhibited the background details of Fibonacci its origin ,definition and application and its nature.one of the beauties of the Fibonacci concept is that the series is evident all the natural world. Petal arrangements in flowers, the ordering of leaves in plants, the cell of the nautilus the DNA molecule, that have in them the Fibonacci concept.All students were thrilled to see the use of Golden Spiral in the master piece painting of Monalisa. 13 Teams of 26 Students participated in this event.Two students participated in each group. **S.Akalya& S.Ramyabharathi** of II B.Sc Mathematics Won the **First** Prize and **M.MothihaShree&S.Sakthishivani** and **R.Heishalini** of II B.Sc Mathematics won the **Second** prize and **S.Nitharsana** of I B.Sc Mathematics Won the **Third** prize in Poster Presentation.

## Participants

S.No	Name	Team	Class
1.	B.Abinaya C.Harshini	1	I B Sc Maths
2.	P.Dhanalaksmi S.Sobana shree	2	I B Sc Maths
3.	K.Dharanya	3	I B Sc Maths
4.	B.Durga devi S.Sathya bama	4	I B Sc Maths
5.	R.Kirija T.Subasri	5	I B Sc Maths
6.	S.Pooviziyal M.Santhiya	6	I B Sc Maths
7.	M.Mothiha shree	7	II B Sc Maths

	S.Sakthi shivani		
8.	S.Vijitha	8	II B Sc Maths
9.	R.Srimathi	9	II B Sc Maths
10.	S.Heishalini	10	II B Sc Maths
11.	R .Kaviya C.Mathumitha	11	II B Sc Maths
12.	S.Ramaya bharathi S.Akalya	12	II B Sc Maths
13.	S.Nitharsana	13	I B Sc Maths







## Vetre Report

**Venue:** Regunathpuram Government Hr.Sec School

**Date:** 19.01.24

**Time:** 11.30 -2.30pm

### Objectives

- ❖ To develop the students technical skills in learning.
- ❖ To introduce Math Tools and applications for solving problems

### Awareness Program Report

On behalf of Department of Mathematics, Velumanoharan Arts and Science College for Women, 10 students with one staff went to Regunathapuram Govt higher Secondary school to meet the Students and created an awareness Program about **“Sharing knowledge is the key to unlocking that power”**. The Program started with the Students speech that about our College intro, offering courses, achievements, sports activities, certificate courses, Skill based courses, placements. I BSc Maths Students

**S.Nitharsana** and **K.Dharanya** explained that some of the useful functions of “**LaTeX**” and how to use the complex mathematical formulas. II B.sc Maths Students **J.Ragavi** and **S.Akalya** explained about **Vedic Maths** is the Method to solve the numerical computations quickly and faster.solution for difficult maths calculations.











## OutCome of the Program

Students were gained knowledge about Mathematical Tools and its applications.

### Feedback:

Students were new to mathematical tools. So they felt the technical knowledge is very useful with demo. They were more interest in selecting technical courses.

## EDUCATIONAL TOUR REPORT

### INTRODUCTION

Educational tours offer significant benefits for students, enriching their learning experiences in several ways such as Real-world Learning, Cultural Exposure, Historical and Environmental Awareness, Social and Personal Development, Stimulating Curiosity, Memorable Experiences. In the effect of Our college planned to go Ooty, Mysore And Bangalore for Educational Tour. In our Department 6 Students form III B.Sc Maths are going to the tour. The Tour Schdeule and participants name are attached below.

### Tour Schedule:

#### DATE: 2.2.2024

Departure to Mettupalayam - 8.30pm

#### DATE: 3.2.2024

Sim's park - 10.00am

Tea Factory - 12.00pm

Chocolate Factory - 12.30pm

Botanical Garden - 2.00pm

#### DATE: 4.2.2024

Shooting spot - 10.00am

Pine Forest - 12.00pm

Pykara Lake - 1.30pm

Departure to Mysore - 3.00pm

Mudumalai Forest - 6.00pm

#### DATE: 5.2.2024

Golden Temple - 10.00am

Brindavan Garden - 12.00pm

Karnataka Dam - 1.00pm

Mysore Palace - 5.00pm

Chamundi Hills - 7.00pm

Chamundeshwari Temple - 7.30pm

**Date: 6.2.2024**

Somanathapuram Temple - 8.00am

Departure to Bangalore - 11.00am

Visvesvaraya Museum - 3.00pm

Cubbon Park - 5.00pm

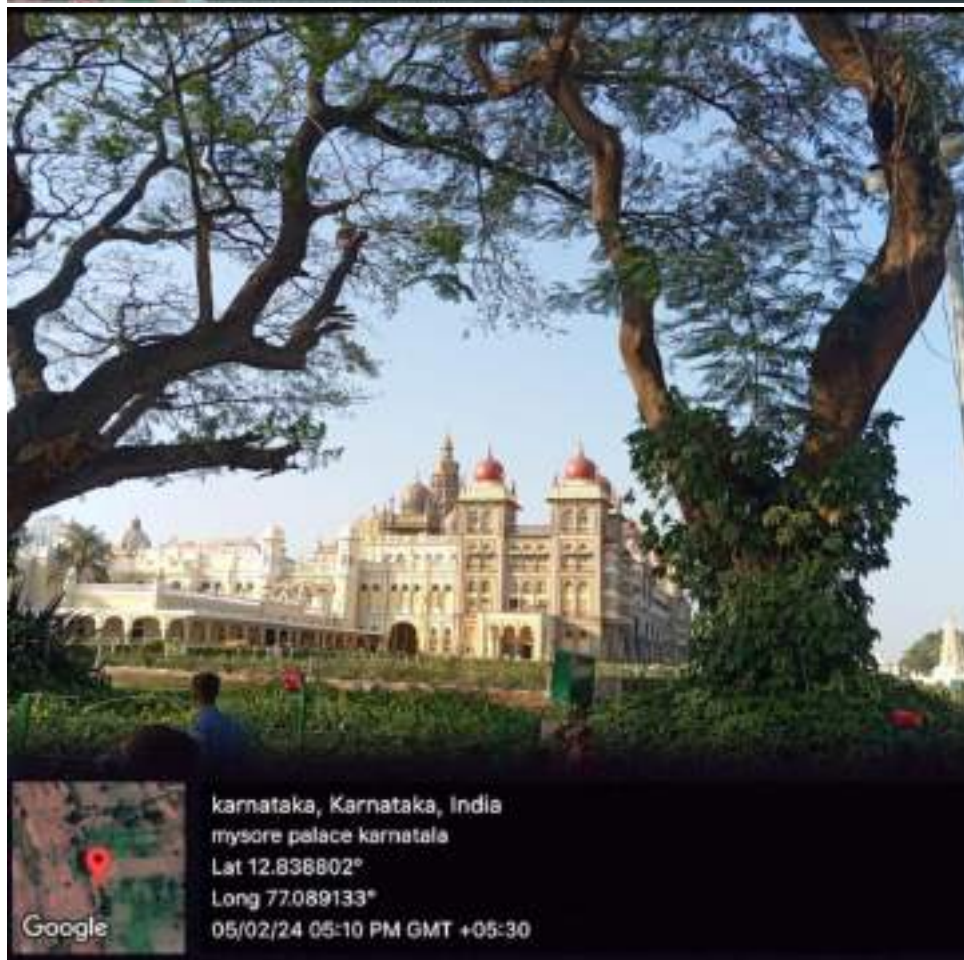
Departure to college - 8.30pm

**Participant Name:**

1. M.Kavi
2. N.Anbuselvi
3. P.Pavithra
4. R.Muthumeena
5. M.Ganijeyasri
6. K.Atchaya







# UBA Report

**Venue:** Elamanoor, Ramanathapuram district

**Date:** 19.02.24

**Time:** 01.30 -2.30pm

## Objectives

- ❖ Awareness program and street play on child marriage
- ❖ Awareness and Symptoms of Anaemia and Prevention measure

## Program Report

On Behalf of Department of Mathematics, Velumanoharan Arts and Science College for Women, 5 students with one staff went to Elamanoor Village, Ramanathapuram District to meet the public and created an awareness Program about “**The child marriage and symptoms & Prevention of Anaemia**”. The Program started with Skit about the child marriage. I-BSc Mathematics Students **B.Durga devi, T.Subashri, S.Sathya Bama, R.Girija and S.Poovizhiyal** played a street play on child marriage. And I-B.Sc Mathematics student **R.Girija** Explained about the symptoms of anaemia and the prevention methods by some collections of pictures using chart. Finally, the programme ended with the valuable feedback of the Village President

## OutCome of the Program

The play opens their eyes and sparks conversation that previously didn't happen.

## Feedback:

Village President, Clerk and public told that the street play performed by the students is very easy to understand their concept.











## National Science Day-2024

**Theme:** "The most beautiful thing we can experience is the mysterious. It is the source of all true art and all science".

**Date : 28.03.2024**

**Venue : III Year Classroom**

Velumanoharan Arts and Science College for Women Celebrated National Science Day on 28<sup>th</sup> February to commemorate the day on which Sir **C.V. Raman** discovered the Raman effect.

The National Science Day – 2024 was celebrated under the following objectives:

- To create interest towards science among children.
- Popularizing science among students through various activities such as model making, cartoon drawing, slogan writing, poster presentation and Dear scientist
- Building up Scientific attitude among students and teachers.
- To popularize discovery approach among students and others to solve problems of everyday life.
- To cater to the needs of the society through scientific approach.
- To provide necessary scientific intervention for problems of the society.
- To foster scientific attitude among students.

The following activities were organized as a part of Celebrations of National Science Day 2024. Our principal **Dr. Kanchana Amarnath**, who is the constant source of encouragement for organizing the program, has led to successful launch of activities on this day.

The students of department of **B.Sc MATHEMATICS** actively participated in various events and exhibited their talents. The table below gives the names of students and various events they participated





## 1.Tamil Speech:

**Theme:**National Science Day

**Participant Name**M.Mothiha Shree ,II B.Sc(Mathematics)

She was talked about **National Science Day**. **National Science Day** is celebrated to spread a message about the importance of science used in the daily life of the people. To display all the activities, efforts and achievements in the field of science for human welfare. It is celebrated to discuss all the issues and implement new technologies for the development in the field of science.



## 2.English Speech:

Theme: **Sir Chandrasekhara Venkata Raman**

Participation Name: J.Ragavi, IIB.S c., (Maths)

She was talked about Sir C.V. Raman National Science Day commemorates the groundbreaking discovery of the Raman Effect by one of India's greatest scientists, **Sir Chandrasekhara Venkata Raman** (Sir C.V. Raman). On February 28th, 1928, his discovery revolutionised the field of physics.



### 3.Debate:

Theme: Growth or Destroy in Today Science

Judges Name:

1.Mrs.M.Uma Maheswari,A/P(Dept of Maths)

2.Mrs.S.Priyanga Ganthi,A/P(Dept of Maths)

Participation Name:

S.NO	Team:1	Team:2
1.	Gayathri.T	Kalpana.M
2.	Indhumathi.V	Ragavi.J
3.	Mathumitha.C	Mothiha Shree.M
4.	Nivetha.R	Sakthi Shivani.S
5.	Vijitha.S	Yogitha.N
6.	KaviyaR	Srimathi.R

Team1 And Team 2 talked about growth or destroy in today science .Teames are given related the lots of points in science .Both team given very important points.Finally, judges given the result of debate. Now ,Growth in Today Science .





#### 4. Model making:

Theme: “Mathematics is the Queen of All Subjects”

#### **PARENTS TEACHERS ASSOCIATION MEETING (2023-24)**

Velumanoharan Arts & Science College for women was established with the motto to mold women students to bring a transformational change in the society and uphold values and traditions in all circumstances. Parents have entrusted the future of their Children into our hands and thus they play a very important role in development an enhancement to the quality of their learning experience Parents Teachers Association provide a platform in the present scenario of college education system to nourish discipline, knowledge and cooperation among the students, parents and teachers at the grass root level.

### The Aims and Objectives:

- To encourage and promote good relationship among the member of teaching faculties, students and parents
- To create the necessary consciousness among the parents to stimulate their interest in the students Education
- To appreciate the students to participate in all kind of curricular, co-curricular & extra-curricular activities

## Focus on the Parent Feedback Form

- ❖ Teaching and Learning Environment
- ❖ Classroom, Library & Lab Facilities
- ❖ Staff Interaction
- ❖ Infrastructure
- ❖ Transport
- ❖ Hostel (if)
- ❖ Extra-curricular Activities

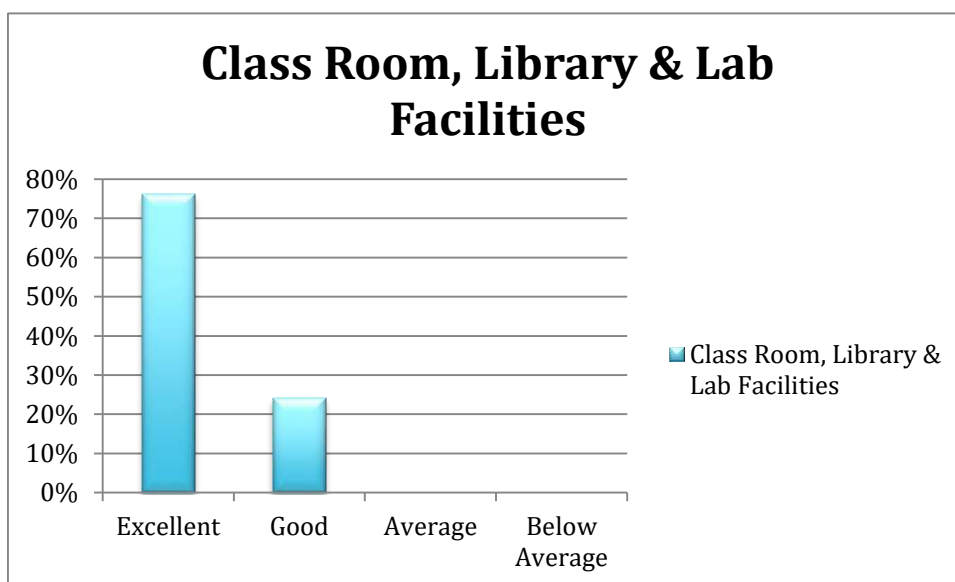
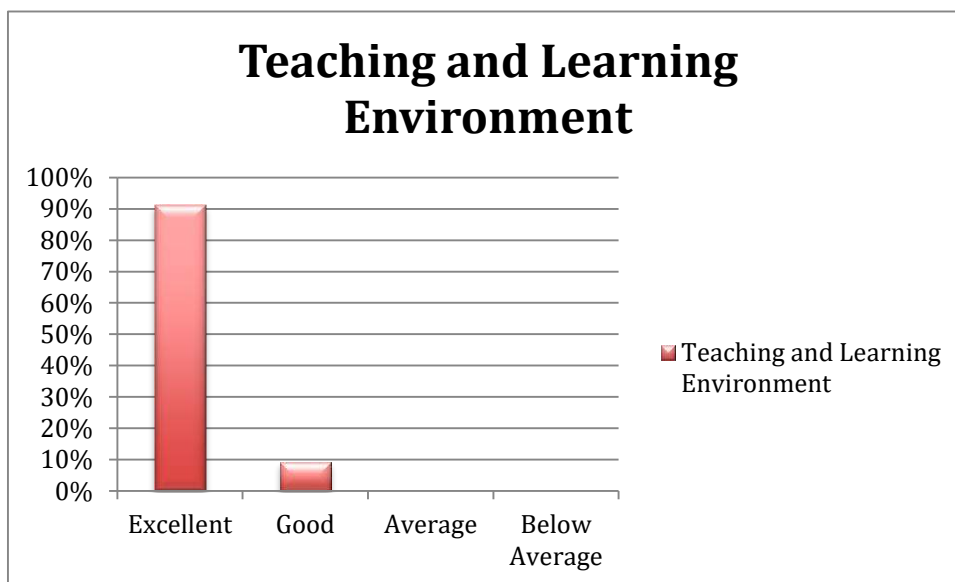
## EVALUATION TABLE

Total Responses: 21/41 (I,II& III Years)

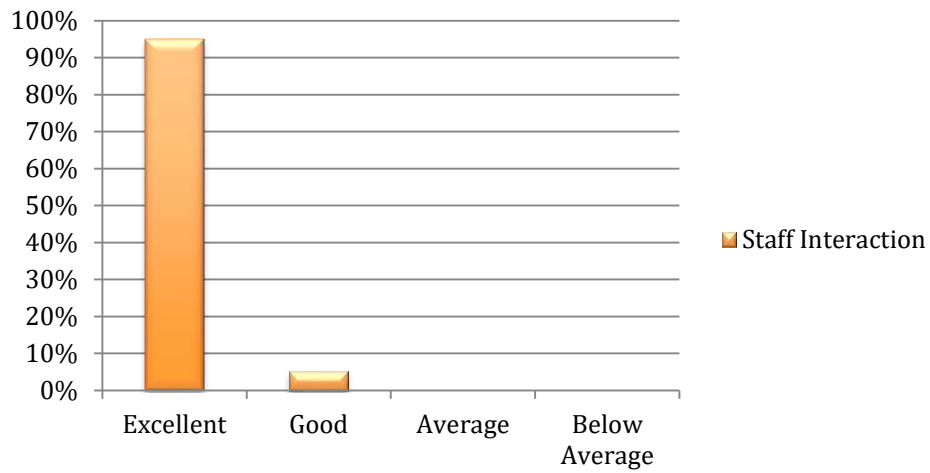
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10.	Approach of our principal towards parents	Good

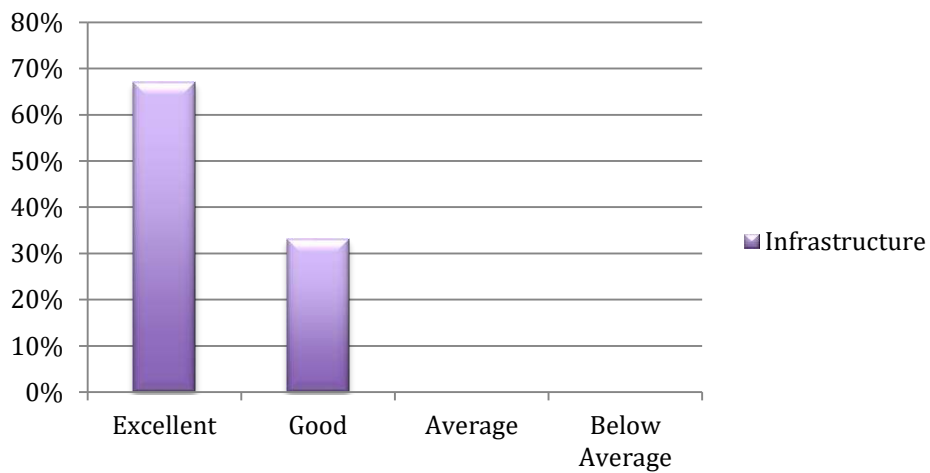
### Evaluation Graph



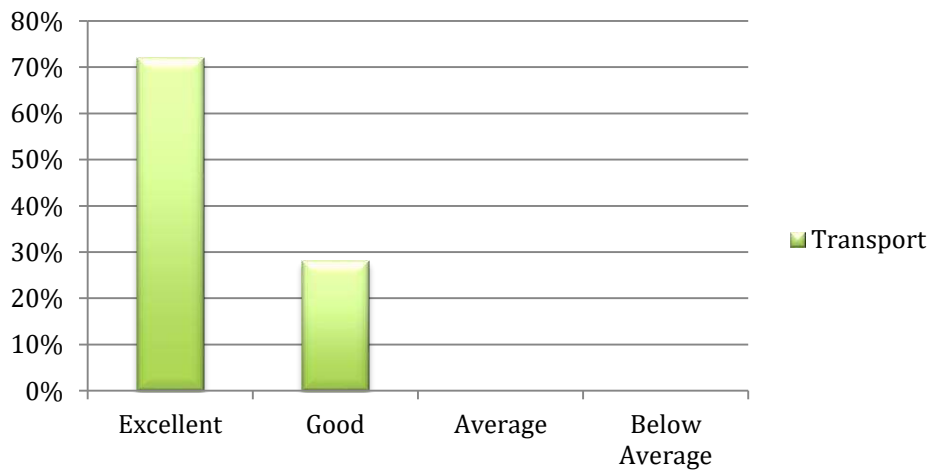
## Staff Interaction

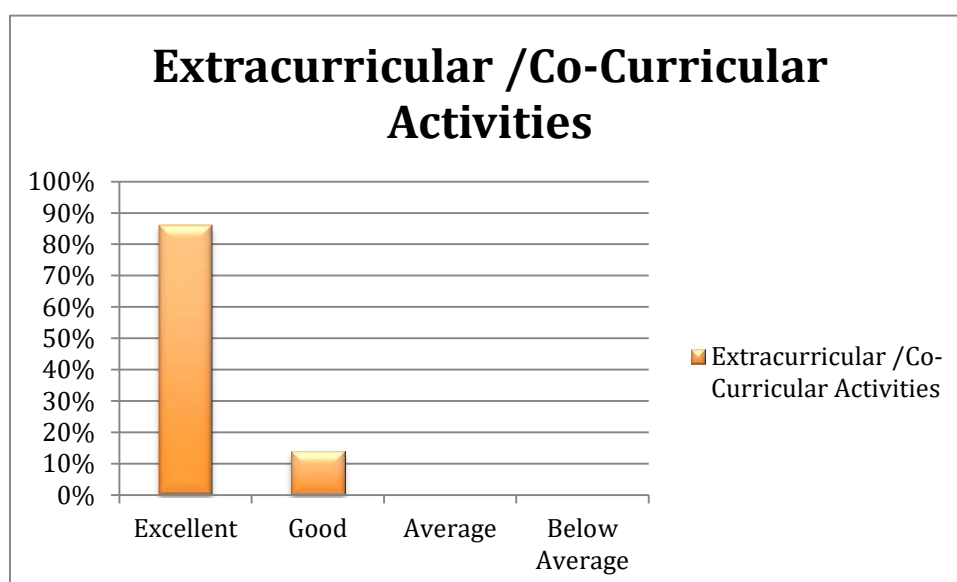
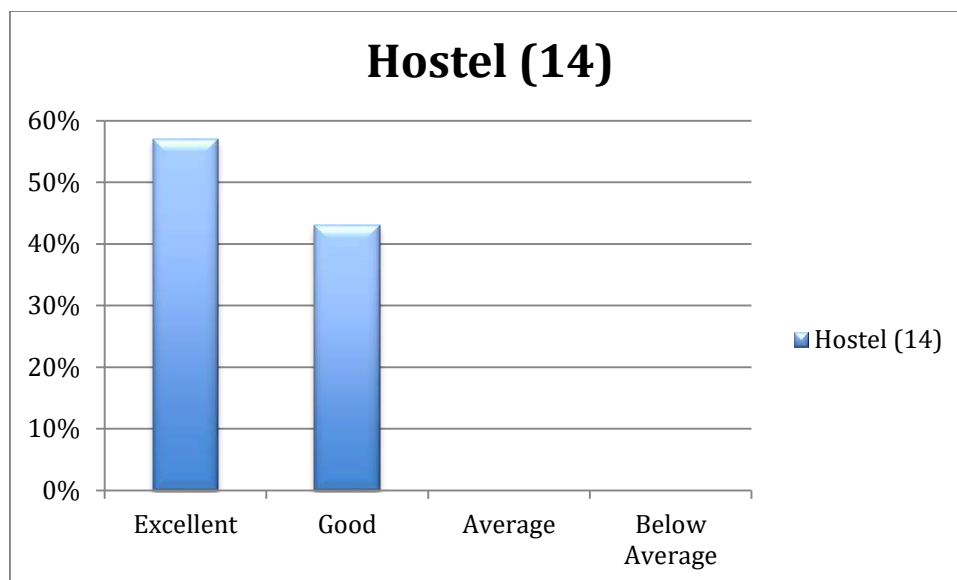


## Infrastructure



## Transport





## Report

The above graph shows that 67% of the parents have found the Infrastructure of the college. 76% of the parents satisfied with Class Room, Library & Lab Facilities. 95% of the parents appreciated the Competence & Commitment of Faculty. 72% of the parents were satisfied with Transport.. Almost 91% of the parents were happy with Teaching -Learning environment prevailing here. 67% of the parents found that college provided good resources to the student. 57% of parents offered very good score for Hostel facilities and also 72% of parents offered a very good score for transport facilities.

## Analysis and outcomes:

- 1) Parents are satisfied with the good infrastructure of the college and have found it to be safe and secure for their children.
- 2) Parents also found that the children have a good learning experience in the college as a result of the good knowledgeable faculties teaching the children.

## Suggestions

- ❖ Establishment of Lab & library
- ❖ PG Courses

- ❖ Smart Class
- ❖ Improve Wi-Fi facilities
- ❖ Improve of play Ground

#### Action Taken

- ❖ Copy of books has been increased in library
- ❖ Tally Certificate courses are implemented
- ❖ Skill based courses are implemented like Silambam, Art and Craft, Soft Skills.
- ❖ Carrier Guidance oriented Training programs are Conducted

Campus Interview conducted from Renowned Companies

### ACADEMIC AND NON-ACADEMIC ACTIVITIES

#### Students Achievement

I B.Sc Mathematics						
S.No	Name of the Student	Title of the Event/Seminar/ Workshop	Organized Institution/ Journal Name	Presented/ Participated/P ublished	Date	Prize/ Award /Certifi cate
1.	S.Nitharshana	Poster Presentation	Thassim beevi Abdul kader college	Participated	26.09.2023	Certific ate
2.	B.Abinaya	As you like it (intercollegiate meet)	Thassim Beevi Abdul kader college for women	Participate	26.09.23	3 <sup>rd</sup> prize
3.	P.Dhanalakshmi					
4.	N.Gobika					
5.	C.Harshini					
6.	K.Dharanya					
II B.Sc Mathematics						
S .No	Name of the student	Tittle of the event	Organized institute	Presented/ participate d	Date	Prize/Award
1.	R.Hieshalini	Digital 101 journey	AICTE. IT-ITESSSC NASSCOM (Future skills prime)	Participated	22.01.24	Certificate
		Paper presentation	Syed Ammal Arts and science college	Participated	31.10.2023	Certificate
		Decalamation contest(Nehru yuva Kendra Ramanathapura m)	Syed Ammal arts and science college	Participate	08.01.2024	Certificate



		Marathon	Phoenix marathon 2022	Participated	25.09.2023	Certificate
		Essay	Arogya Hospital	Participates	2023	Certificate
2	R.hieshalini	Model making (intercollegiate meet)	Thassim Beevi Abdul kader college for women	Participate	26.09.23	2 <sup>nd</sup> prize
	S.vijitha					
3	S.sakthi shivani	Rangoli (intercollegiate meet)	Thassim Beevi Abdul kader college for women	Participate	26.09.23	3 <sup>rd</sup> prize
	T.Gayathiri					
	R.Nivetha					
4	M.Mothiha shree	As you like it (intercollegiate meet)	Thassim Beevi Abdul kader college for women	Participate	26.09.23	3 <sup>rd</sup> prize
5	R.Nivetha	Decalamation contest ( Nehru yuva Kendra Ramanathapura m)	Syed Ammal Arts and science college	Participate	08.01.24	Certificate
6	M.Mothiha shree	Essay	Arogya hospital	Participate	2023	Certificate

#### PLACEMENT REPORT (2023-2024)

**MMC Info Tech JobFair** conducted on 20.01.2024.The following students are Participated. Totally 5 students selectected out of 7 participants from our department.

#### Participant Name:

1. M.Kavi
2. N.Anbuselvi
3. P.Pavithra
4. R.Muthumeena
5. M.Ganijeyasri
6. K.Atchaya
7. M.Priyadharshini

#### Placed Student Name List

1. M.Kavi
2. N.Anbuselvi
3. P.Pavithra
4. M.Ganijeyasri
5. M.Priyadharshini



**Krishna School Teaching Job Interview** Conducted on 03.04.2024

**Interview Candidate Name**

M.Ganijeyasri  
N.AnbuSelvi

**Placed Student Name List**

N.AnbuSelvi



## FACULTY ACHIEVEMENTS STAFF SKILL DEVELOPMENT

Name of the Faculty: Ms M. Uma Maheswari					
S.N O	Name of the Event	Title of the Event	Organized Institution	Presented/	Date

				<b>Participated/ Published</b>	
<b>1</b>	Online course	Practices for power BI	Soft tech Solution, Chennai	Participated	18/12/2023
<b>2</b>	Oneday virtual International conference	Y20 conclave	IQAC	Participated	11.09.2023
<b>3</b>	Chat GPT	Game changing Technology	CSIR-North east institute of science and technology	Participated	05.06.2023
<b>4</b>	Oneday webinar	Data visulisation using R programming	Marwadi university	Participated	03.06.2023
<b>5</b>	Online course	Practices for power BI	Soft tech Solution, Chennai	Participated	18/12/2023

**Name of the Faculty: Ms S.Priyangagandhi**

<b>S.NO</b>	<b>Name of the Event</b>	<b>Title of the Event</b>	<b>Organized Institution</b>	<b>Presented/ Participated/Publis hed</b>	<b>Date</b>
1.	International Conference	"Role of Mathematics for the development of science and society"	Tirpura University,Pune	Participated	22.12.2023

**Name of the Faculty: Ms R Sajitha Rubini**

<b>S.NO</b>	<b>Name of the Event</b>	<b>Title of the Event</b>	<b>Organized Institution</b>	<b>Presented/ Participated/ Published</b>	<b>Date</b>
<b>1.</b>	One day webinar	“Basics of AI with latest Trends and Applications”	Marwadi University, Rajkot	Participated	10.06.2023
<b>2.</b>	Brainstorming meeting series	Chat GPT:Unravelling the conundrum, Game Changing Technologies	CSIR-North East Institute of Science and Technology,Jorhat	Participated	05.06.2023
<b>3.</b>	One day webinar	Data Visualization using R Programming	Marwadi University, Rajkot	Participated	03.06.2023
<b>4.</b>	One week online FDP	“Role of Bigdata and Cloud in the Era of Transformation	GATES Institute of Technology,Autonomous, Gooty	Participated	29.01.2024-03.02.2024

**FUTURE PLANS OF DEPARTMENT OF MATHEMATICS**

- ✓ To conduct live webinars on recent trends and revolutions in mathematics for students.
- ✓ To Instruct the students to do a online certification course (nptel)
- ✓ Invited talks by Eminent Professors
- ✓ International conferences and seminars
- ✓ Workshops for College teachers
- ✓ Training programs
- ✓ Placement on Renowned Companies