



## **Criterion II**

### **Teaching Learning and Evaluation**



#### **2.2.1 Learning Level Assessment of Students and Programmes for Slow and Advanced Learners – Programmes for Slow Learners**



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### STRATEGIES FOR SLOW LEARNERS

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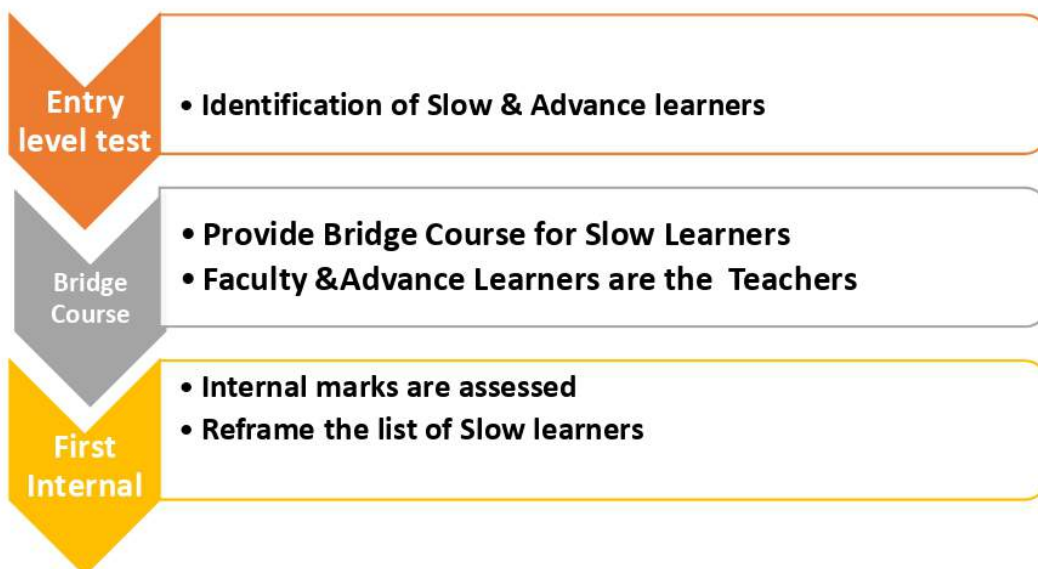
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# VIMALA COLLEGE (AUTONOMOUS), THRISSUR

## REMEDIAL COACHING PROCEDURE

### DEPARTMENT OF PHYSICS (SAMPLE FORMAT)

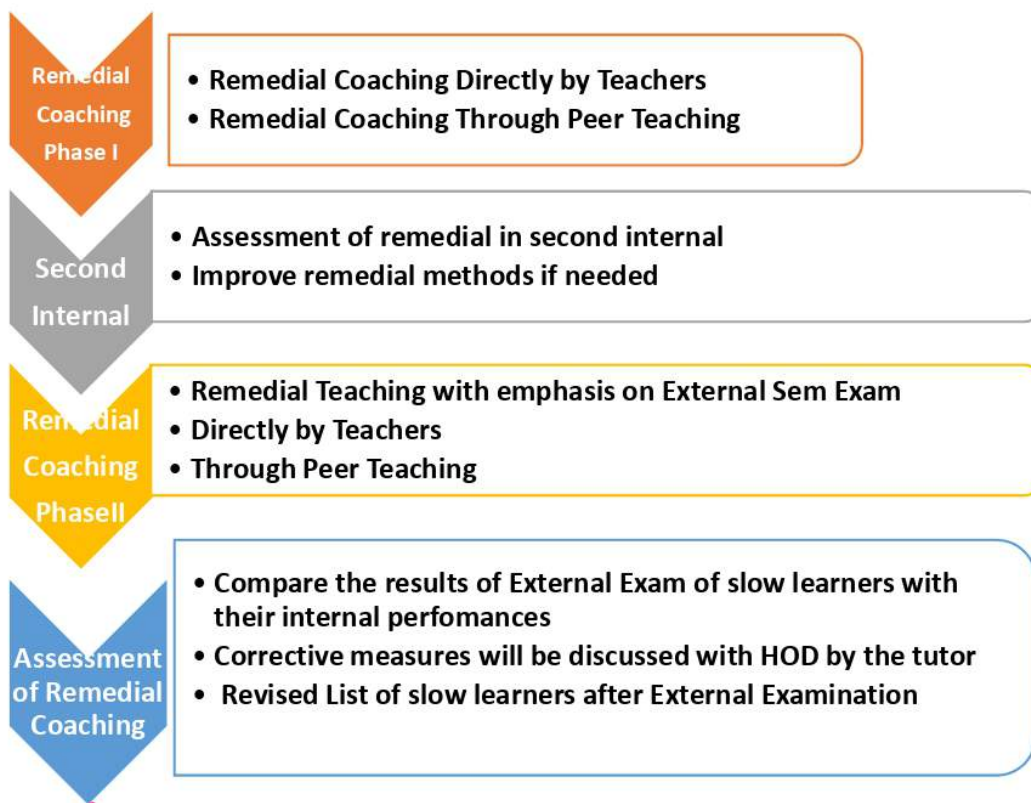


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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



### UG PHYSICS Batch 2020-2023

#### Entry Level Test

**Day 4: Tuesday 22/09/2020**

10:00 AM to 12:00 Noon:

Two MCQ type entry level tests were conducted through the google classroom. These were for an assessment of their basic knowledge in physics and mathematics. Based on the assessment, students were grouped into advanced and slow learners.

No. of students present: 50/50

Entry level test 1 link : [https://docs.google.com/forms/d/e/1FAIpQLSej5kHsvEb-G6\\_m57eeOqvOdYFtH1NrCoBGZOK1WDdSx3pLwQ/viewform?authuser=0](https://docs.google.com/forms/d/e/1FAIpQLSej5kHsvEb-G6_m57eeOqvOdYFtH1NrCoBGZOK1WDdSx3pLwQ/viewform?authuser=0)

Entry Level Test 2 link : <https://forms.gle/jLMWPKxedEJHF49u9>



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Entry level test – 1: Assessment

Average 13.37 / 25 points	Median 13 / 25 points	Range 5 - 22 points
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Total points distribution



### Entry level test – 2: Assessment

Average 6.28 / 10 points	Median 7 / 10 points	Range 2 - 9 points
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Total points distribution



Different types of learners were identified and necessary remedial measures were taken

### **Day 5: Wednesday 23/09/2020**

9:30 AM to 12:30 PM:

A descriptive type induction exam of three hours duration based on school level physics was conducted via google classroom. The questions were selected based on the framework of Bloom's taxonomy at the levels of remembering, understanding, applying, analyzing, evaluating and creating.

Based on the three assessments and interactions with students, a Bridge Course was designed to bridge the gap in the school curriculum and undergraduate curriculum. The details and syllabus of Bridge course is given below.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Conduct of Bridge Course Details -B.Sc. Physics

#### **Day 6: Thursday 24/09/2020**

10: 00AM to 12:00 PM:

Based on the assessments of the entry level tests, bridge courses were offered to the students via google meet. Peer teachers from advanced learners were also engaged in the process. Santhi Maria Martin discussed relevant topics from vector analysis. Students were given reference materials shared via google classroom.

No. of students present: 50/50

Google meet link: [meet.google.com/nex-xyvw-muc](https://meet.google.com/nex-xyvw-muc)

#### **Day 7: Friday 25/09/2020**

9:30 AM t 11:30 AM:

As a part of the bridge course a problem solving session on vector analysis was conducted via google meet.

No. of students present: 49/50

Google meet link: [meet.google.com/nex-xyvw-muc](https://meet.google.com/nex-xyvw-muc)

#### **Day 8: Monday 28/09/2020**

2:00 PM to 4:00 PM:

As a part of the bridge course, an advanced learner, Fabi Franciss discussed on the basics of trigonometry via google meet.

No. of students present: 49/51

Google meet link: [meet.google.com/nex-xyvw-muc](https://meet.google.com/nex-xyvw-muc)

#### **Day 9: Tuesday 29/09/2020**

2:00 PM to 4:00 PM:

As a part of the bridge course a problem solving session on trigonometry was conducted via google meet.

No. of students present: 47/51

Google meet link: [meet.google.com/nex-xyvw-muc](https://meet.google.com/nex-xyvw-muc)



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Day 10: Wednesday 30/09/2020

2:00 PM to 4:00 PM:

As a part of the bridge course, an advanced learner, Haze Subin C discussed on the basics of differential calculus via google meet.

No. of students present: 49/51

Google meet link: [meet.google.com/nex-xyvw-muc](https://meet.google.com/nex-xyvw-muc)

### FIRST INTERNAL EXAM

Date of Exam: December 4 2020

### Internal Marks

Sl. No.	Reg. No.	Total (30)
1	VMAUSPH001	20.5
2	VMAUSPH002	20
3	VMAUSPH003	23.5
4	VMAUSPH004	30
5	VMAUSPH005	29
6	VMAUSPH006	30
7	VMAUSPH007	24.5
8	VMAUSPH008	25
9	VMAUSPH009	22
10	VMAUSPH010	23.5
11	VMAUSPH011	9
12	VMAUSPH012	22.5
13	VMAUSPH013	21
14	VMAUSPH014	24.5
15	VMAUSPH015	27
16	VMAUSPH016	29
17	VMAUSPH017	28.5
18	VMAUSPH018	17
19	VMAUSPH019	16
20	VMAUSPH020	17
21	VMAUSPH021	17.5
22	VMAUSPH022	23.5
23	VMAUSPH023	26
24	VMAUSPH024	7
25	VMAUSPH025	17.5



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

26	VMAUSPH026	26
27	VMAUSPH027	17.5
28	VMAUSPH028	29
29	VMAUSPH029	23.5
30	VMAUSPH030	29.5
31	VMAUSPH031	28
32	VMAUSPH032	30
33	VMAUSPH033	29
34	VMAUSPH034	19.5
35	VMAUSPH035	29
36	VMAUSPH036	28.5
37	VMAUSPH037	27
38	VMAUSPH038	25.5
39	VMAUSPH039	19.5
40	VMAUSPH040	29
41	VMAUSPH041	27
42	VMAUSPH042	26
43	VMAUSPH043	26
44	VMAUSPH044	25.5
45	VMAUSPH045	23
46	VMAUSPH046	24.5
47	VMAUSPH047	24.5
48	VMAUSPH048	22.5
49	VMAUSPH049	25
50	VMAUSPH050	26
51	VMAUSPH051	25
52	VMAUSPH052	27

### CLASS AVERAGE: 24

Some students left college and new students were enrolled

So based on the first internal marks and continuous evaluation in the class, the list was revised

Slow learners:  $\leq 20$

### Revised list of Slow Learners



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SL No.	Name of Students	First Internal Marks
1.	VMAUSPH024	7
2.	VMAUSPH011	9
3.	VMAUSPH019	16
4.	VMAUSPH018	17
5.	VMAUSPH020	17
6.	VMAUSPH021	17.5
7.	VMAUSPH025	17.5
8.	VMAUSPH027	17.5
9.	VMAUSPH034	19.5
10.	VMAUSPH039	19.5
11.	VMAUSPH002	20

### Remedial Coaching -I Phase

Slow learners found it difficult to solve problems, write essays in a brief manner. Hence remedial coaching was carried out giving emphasis to these points

Extra study materials and quiz were provided on Google Classroom Code: 4b37eoc

Peer teaching by Advanced learners

1. Name of Peer Teacher: SANDRA V S

Topic: Elasticity

2. Name of Peer Teacher: Nadiya

Topic: Applications of Newtons Laws

3. Name of Peer Teacher: Binna Regina

Topic: Newtons Laws -Problems Two books on a table top & Astronauts Tug of War

### SECOND INTERNAL EXAMS



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Date of Exam: January 18, 2021

Sl. No.	Reg. No	Total (30)
1	VMAUSPH001	26.5
2	VMAUSPH002	7
3	VMAUSPH003	16.5
4	VMAUSPH004	29
5	VMAUSPH005	25
6	VMAUSPH006	23.5
7	VMAUSPH007	27.5
8	VMAUSPH008	29
9	VMAUSPH009	20.5
10	VMAUSPH010	28.5
11	VMAUSPH011	16
12	VMAUSPH012	28
13	VMAUSPH013	12
14	VMAUSPH014	30
15	VMAUSPH015	25
16	VMAUSPH016	15.5
17	VMAUSPH017	29
18	VMAUSPH018	19
19	VMAUSPH019	21.5
20	VMAUSPH020	25.5
21	VMAUSPH021	24
22	VMAUSPH022	26.5
23	VMAUSPH023	26.5
24	VMAUSPH024	11.5
25	VMAUSPH025	20.5
26	VMAUSPH026	27.5



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

27	VMAUSPH027	16
28	VMAUSPH028	30
29	VMAUSPH029	22
30	VMAUSPH030	30
31	VMAUSPH031	24
32	VMAUSPH032	30
33	VMAUSPH033	19
34	VMAUSPH034	22.5
35	VMAUSPH035	23.5
36	VMAUSPH036	30
37	VMAUSPH037	28
38	VMAUSPH038	26
39	VMAUSPH039	20
40	VMAUSPH040	24.5
41	VMAUSPH041	27
42	VMAUSPH042	23
43	VMAUSPH043	28.5
44	VMAUSPH044	18.5
45	VMAUSPH045	25.5
46	VMAUSPH046	27
47	VMAUSPH047	27
48	VMAUSPH048	21
49	VMAUSPH049	21
50	VMAUSPH050	23
51	VMAUSPH051	25.5
52	VMAUSPH052	28

**Class Average: 24.5**

**Marks of Slow Learners**



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

	Name of Students	First Internal Marks	Second Internal	Remarks
1.	VMAUSPH024	7	11.5	Improved, but failed
2.	VMAUSPH011	9	16	Improved
3.	VMAUSPH019	16	21.5	Improved
4.	VMAUSPH018	17	19	Improved
5.	VMAUSPH020	17	26	Improved
6.	VMAUSPH021	17.5	19	Improved
7.	VMAUSPH025	17.5	20.5	Improved
8.	VMAUSPH027	17.5	16	Not Improved
9.	VMAUSPH034	19.5	22.5	Improved
10.	VMAUSPH039	19.5	20	Improved
11.	VMAUSPH002	20	7	Failed
12.	VMAUSPH013	21	12	New Slow Learner

Improvement was observed in all students except Anagha Pius and Sreenandini

A new student was added in the Slow learner List - Madona Elizabeth

### Remedial Teaching -II Phase

More materials were provided and peer teaching was carried out giving emphasis to External Sem Exams. Extra study materials and quiz were provided on Google Classroom (Code: 4b37eoc)

1. Problem
2. Model Question Papers
3. Questions
4. Assignment problems -Doubt Session
5. Essay on Contact Forces



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### PEER TEACHING

Name of Peer Teacher	Topic
Twinkle Treasa M J	Central force motion & Law of equal areas
Ashna Theresa	Torque on the conical Pendulum
Sandra V S	TORQUE ON A SLIDING BLOCK
Vyshna	Moment of inertia of stick and sphere
Athulya Prasannan	Atwood's machine with massive pulley
Devikaraj	Simple Pendulum
Neeraja C R	The Physical Pendulum
Noufeedha O N	Angular momentum of a rolling wheel
Nadiya K	Drum rolling down a plane (Method-1)
Arya P S	Rotation in x-y plane

### RESULTS OF EXTERNAL SEM EXAM

Sl. No.	Reg. No	First Internal (30)	Second Internal (30)	End Semester Exam (75)
1	VMAUSPH001	20.5	26.5	50
2	VMAUSPH002	20	7	51
3	VMAUSPH003	23.5	16.5	46
4	VMAUSPH004	30	29	75
5	VMAUSPH005	29	25	65
6	VMAUSPH006	30	23.5	71
7	VMAUSPH007	24.5	27.5	39
8	VMAUSPH008	25	29	43
9	VMAUSPH009	22	20.5	39
10	VMAUSPH010	23.5	28.5	48



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

11	VMAUSPH011	9	16	30
12	VMAUSPH012	22.5	28	66
13	VMAUSPH013	21	12	51
14	VMAUSPH014	24.5	30	75
15	VMAUSPH015	27	25	63
16	VMAUSPH016	29	15.5	42
17	VMAUSPH017	28.5	29	69
18	VMAUSPH018	17	19	53
19	VMAUSPH019	16	21.5	54
20	VMAUSPH020	17	25.5	60
21	VMAUSPH021	17.5	24	53
22	VMAUSPH022	23.5	26.5	34
23	VMAUSPH023	26	26.5	59
24	VMAUSPH024	7	11.5	32
25	VMAUSPH025	17.5	20.5	42
26	VMAUSPH026	26	27.5	62
27	VMAUSPH027	17.5	16	61
28	VMAUSPH028	29	30	61
29	VMAUSPH029	23.5	22	52
30	VMAUSPH030	29.5	30	65
31	VMAUSPH031	28	24	72
32	VMAUSPH032	30	30	66
33	VMAUSPH033	29	19	61
34	VMAUSPH034	19.5	22.5	48
35	VMAUSPH035	29	23.5	68
36	VMAUSPH036	28.5	30	67
37	VMAUSPH037	27	28	57
38	VMAUSPH038	25.5	26	74
39	VMAUSPH039	19.5	20	44
40	VMAUSPH040	29	24.5	59



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

41	VMAUSPH041	27	27	68
42	VMAUSPH042	26	23	65
43	VMAUSPH043	26	28.5	44
44	VMAUSPH044	25.5	18.5	44
45	VMAUSPH045	23	25.5	65
46	VMAUSPH046	24.5	27	71
47	VMAUSPH047	24.5	27	66
48	VMAUSPH048	22.5	21	61
49	VMAUSPH049	25	21	60
50	VMAUSPH050	26	23	49
51	VMAUSPH051	25	25.5	70
52	VMAUSPH052	27	28	65

### Remedial Teaching Programme Assessment after the Completion of First Semester

Sl. No.	Name of student	Internal 1 %	Internal 2 %	External %	Remarks
1.	VMAUSPH024	23	38.	42	Improved
2.	VMAUSPH011	30	53	40	Not Improved
3.	VMAUSPH019	53	71	72	Improved
4.	VMAUSPH018	57	63	71	Improved
5.	VMAUSPH020	57	87	80	Improved
6.	VMAUSPH021	58	63	70	Improved
7.	VMAUSPH025	58	68.	56	Not Improved
8.	VMAUSPH027	58	53	81	Improved
9.	VMAUSPH034	65	75	64	Not Improved
10.	VMAUSPH039	65	67	59	Not Improved
11.	VMAUSPH002	67	23	68	Improved
12.	VMAUSPH013	70	40	68	Improved

Improvement % after remedial: **67% of slow learner students improved**



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



### New List of Slow learners after First Semester

Student Reg. No.	External Marks
VMAUSPH011	30
VMAUSPH024	32
VMAUSPH022	34
VMAUSPH007	39
VMAUSPH009	39

### Suggestions for improvement

- Individual Academic Interactions with students through activities like Viva to know more about the understanding of students
- Included more Video lectures along with online interactions

### PG PHYSICS Batch 2020-2022

#### Day 4: Tuesday 22/09/2020


9:00 AM to 11:00 Noon:

Students were given activities to assess their academic / linguistic / soft skills using Mentimeter and Google classroom.

Academic – Activities using mentimeter, Presentation on any topic in Physics

Linguistic – A literary activity to narrate the passion for the subject



  
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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Soft - Type the matter given on MS Word, perform calculations on an Excel sheet as per instructions given. An entry level test to assess mathematical skills and academic knowledge of the students was also conducted.

No. of students present: 10/10

Google Meet link: [meet.google.com/nxz-dtek-stg](https://meet.google.com/nxz-dtek-stg)

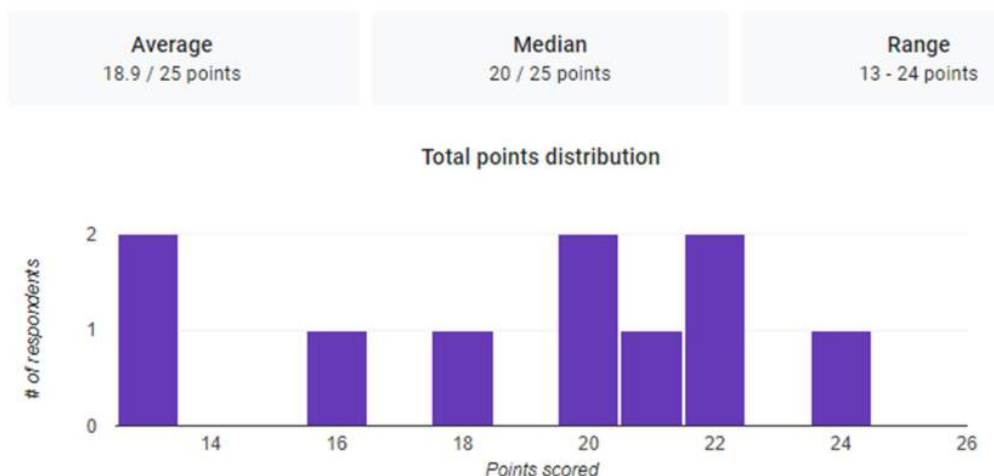
Google classroom link:

<https://classroom.google.com/u/4/w/MTQ1MzQ2NTAwODQx/tc/MTcwODYwNzkyODM0>

Entry level test link:

<https://classroom.google.com/c/MTQ1MzQ2NTAwODQx/a/MTc4NTM0OTY0Mzcw>

### Entry Level Assessment



Based on the assessment, students were grouped into advanced and slow learners.

### Advanced Learner – AD, Slow Learner – SL

Name of Student		Name of Student	
ANITTA JOMY	AD	VMAUMPH005	SL
AADITHYA SURESH	AD	VMAUMPH012	SL
ANAGHA C R	AD		
SONIYA JOJO	AD		
ATHULYA K G	AD		



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Based on the assessments and interactions, a Bridge Course was designed to bridge the gap in the undergraduate and post-graduate curriculum.

### Conduct of Bridge Course Details -B.Sc. Physics

#### **Day 5: Wednesday 23/09/2020**

9:00 AM to 12:00 PM:

A session by Aneesh Sir to explain the fundamental concepts needed to be prior importance in electronics.

No. of students present: 10/10

Google Meet link: [meet.google.com/tcd-ktcb-ogu](https://meet.google.com/tcd-ktcb-ogu)

#### **Day 6: Thursday 24/09/2020**

9:30AM to 12:30 PM:

The various co-ordinate systems and their inter-relations and basic concepts of differential calculus were discussed with the students.

No. of students present: 10/10

Google meet link: [meet.google.com/kqo-ecrj-uun](https://meet.google.com/kqo-ecrj-uun)

#### **Day 7: Friday 25/09/2020**

9:30 AM to 12:30 AM:

As a part of the bridge course, the fundamental concepts and theorems of integral calculus were discussed and problems were done on this topic.

No. of students present: 10/10

Google meet link: [meet.google.com/xni-swur-woj](https://meet.google.com/xni-swur-woj)

#### **Day 8: Monday 28/09/2020**

10:00 AM to 1:00 PM:

As a part of the bridge course, the different ways of solving differential equations were explained and problems done.

No. of students present: 10/10

Google meet link: [meet.google.com/jdt-ivto-kbo](https://meet.google.com/jdt-ivto-kbo)



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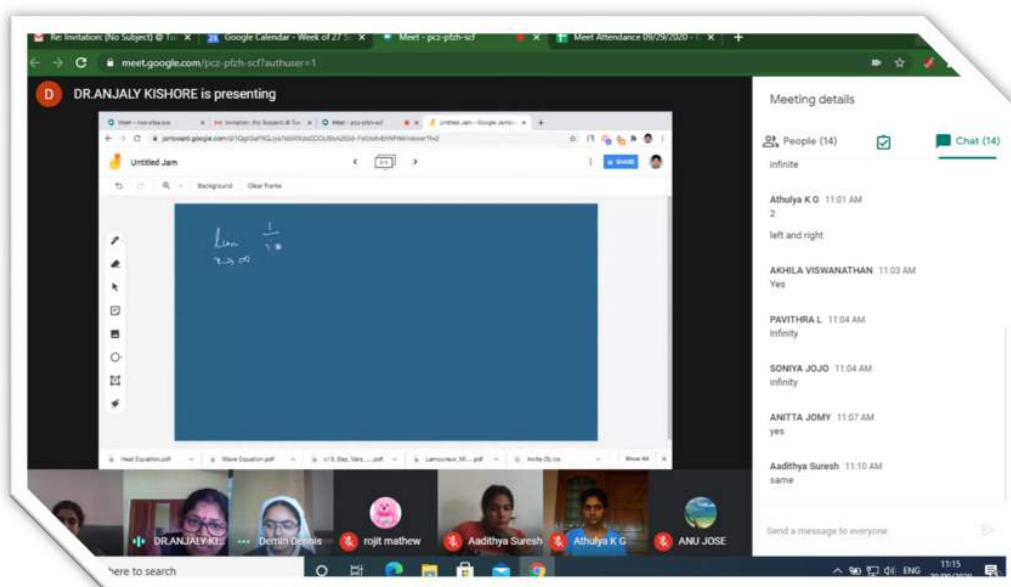
**Day 9: Tuesday 29/09/2020**

10:30 AM to 12:00 PM:

As a part of the bridge course, a class was arranged on the concepts of limit, continuity and differentiability and various types of boundary conditions. The resource person was Dr Anjaly Kishore, Assistant Professor, Department of Mathematics, Vimala College, Thrissur. With adequate problems, the concepts were unveiled before the students.

No. of students present: 10/10

Google meet link: [meet.google.com/pcz-pfzh-scf](https://meet.google.com/pcz-pfzh-scf)



**Day 10: Wednesday 30/09/2020**

2:00 PM to 5:00 PM:

Various trigonometric functions and their plots were discussed. The graphical representations of exponential, logarithmic and hyperbolic functions were also dealt with.

No. of students present: 10/10

Google meet link: [meet.google.com/gue-cpgi-anw](https://meet.google.com/gue-cpgi-anw)

Some students left college and new students were enrolled.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

The four core papers in first semester were handled via Google classrooms. Details are given below:

Paper Code	Name of the Paper	Name of Faculty	Google Classroom Code
PHY1C01	Classical Mechanics	Dr Jovia Jose	jg4px7j
PHY1C02	Mathematical Physics – I	Mr Santhosh P Jose	cywv66h
PHY1C03	Electrodynamics and Plasma Physics	Dr Mini Krishna K	g3uhdl7
PHY1C04	Electronics	Dr Aneesh George	<a href="https://classroom.google.com/u/6/c/MTQ5ODEyMzc2MTM1">https://classroom.google.com/u/6/c/MTQ5ODEyMzc2MTM1</a>

### First internal exam

After the first internals, average of the weighted grade point received in the four core papers were analysed.

Reg. No.	Average
VMAUMPH001	3.98
VMAUMPH002	3.19
VMAUMPH003	4.73
VMAUMPH004	4.06
VMAUMPH005	2.88
VMAUMPH006	4.63
VMAUMPH007	4.53
VMAUMPH008	3.42
VMAUMPH009	3.61
VMAUMPH010	3.92
VMAUMPH011	2.53
VMAUMPH012	2.65
VMAUMPH013	3.57
VMAUMPH014	4.22
VMAUMPH015	2.15

**Class Average: 3.6**

So based on the first internal marks and continuous evaluation in the class, the list was revised.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Revised list of Advanced ( $\geq 4$ ) & Slow Learners ( $\leq 3.5$ )

Name of Student		Name of Student	
AASHLIN ROSE	AD	VMAUMPH002	SL
ANILA M	AD	VMAUMPH005	SL
DEEPTHI ANN VADAKKAN	AD	VMAUMPH008	SL
DHILMY VINCENT	AD	VMAUMPH011	SL
FRIEDA THOMAS	AD	VMAUMPH012	SL
SONIYA JOJO	AD	VMAUMPH015	SL

### Remedial Coaching -I Phase

Slow learners found it difficult to understand concepts and write essays in a brief manner. Hence remedial coaching was carried out giving emphasis to these points.

Extra study materials and previous year question papers were made available to students via the Google classroom.

### Peer teaching

Peer teaching was carried out by Advanced learners

### Second internal exam

After the second internals, average of the weighted grade point received in the four core papers were calculated and the performance of slow learners identified were analysed.

Name of student	I Internal	I Internal	Remarks
VMAUMPH002	3.19	3.9	Improved
VMAUMPH005	2.88	4.15	Improved
VMAUMPH008	3.42	4.75	Improved
VMAUMPH011	2.53	3.55	Improved
VMAUMPH012	2.65	3	Improved
VMAUMPH015	2.15	4.15	Improved

**Class Average: 4.5**



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Remedial Teaching -II Phase

More materials were provided and peer teaching was carried out giving emphasis to External Sem Exams. Extra study materials, solved problems and assignments were provided via the Google Classrooms.

### RESULTS OF EXTERNAL SEM EXAM

Name of student	I Internal	II Internal	SGPA I
VMAUMPH001	3.98	4.20	2.92
VMAUMPH002	3.19	3.90	2.76
VMAUMPH003	4.73	4.70	4.80
VMAUMPH004	4.06	4.90	4.63
VMAUMPH005	2.88	4.15	3.36
VMAUMPH006	4.63	5.00	4.78
VMAUMPH007	4.53	5.00	4.39
VMAUMPH008	3.42	4.75	4.19
VMAUMPH009	3.61	5.00	4.13
VMAUMPH010	3.92	4.90	4.62
VMAUMPH011	2.53	3.55	-
VMAUMPH012	2.65	3.00	-
VMAUMPH013	3.57	5.00	3.71
VMAUMPH014	4.22	4.80	4.62
VIDYADEVI P K	2.15	4.15	-

### Remedial Coaching: Assessment after the completion of First Semester

Name of student	I Internal	II Internal	SGPA I	Remarks
VMAUMPH001	80	84	58	Needs attention
VMAUMPH002	64	78	55	Not improved
VMAUMPH003	95	94	96	
VMAUMPH004	81	98	93	
VMAUMPH005	58	83	67	Improved but needs attention
VMAUMPH006	93	100	96	
VMAUMPH007	91	100	88	
VMAUMPH008	68	95	84	Improved
VMAUMPH009	72	100	83	
VMAUMPH010	78	98	92	
VMAUMPH011	51	71	-	Special attention needed
VMAUMPH012	53	60	-	Special attention needed
VMAUMPH013	71	100	74	
VMAUMPH014	84	96	92	
VMAUMPH015	43	83	-	Special attention needed



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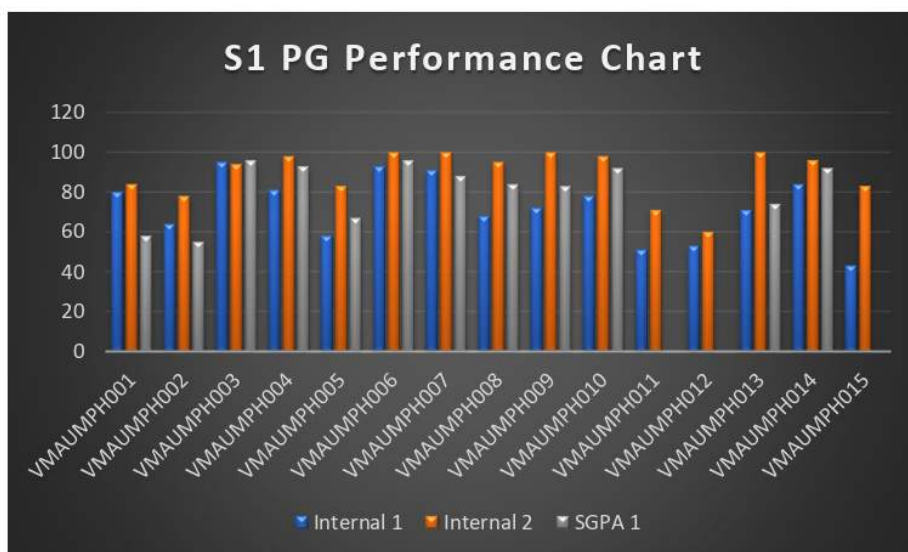
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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Improvement % after remedial: **33% of slow learners improved**



### New List of Slow learners after First Semester

Reg. No.	SGPA I
VMAUMPH001	2.92
VMAUMPH002	2.76
VMAUMPH011	-
VMAUMPH012	-
VMAUMPH015	-

### Suggestions for improvement

- Individual academic interactions with peer students
- Provide video recording of online interactions for repeated reference

### Remedial Coaching by Alumni – Department of Computer Science (2018-19)


Name of Tutor: Jeny K J 2013-2016 Alumnae

Portions Covered: Mathematics

Time Frame: Jan 2019 – Mar 2019

The students who failed in their Mathematics paper were given remedial coaching in Mathematics for some important concepts. After the remedial coaching of 15 hours, the students showed a tremendous improvement in S4 Maths paper. They w



  
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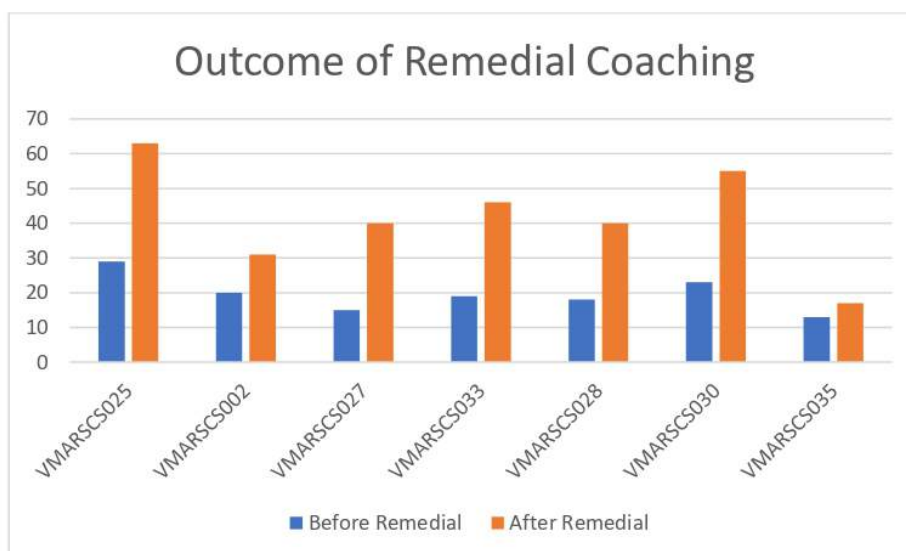
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### Comparison of S3 & S4

Sl No	Name	S3	S4
1	VMARSCS025	40	68
2	VMARSCS002	29	13
3	VMARSCS027	44	63
4	VMARSCS024	40	44
5	VMARSCS033	40	21
6	VMARSCS028	31	46
7	VMARSCS030	45	52
8	VMARSCS016	55	70
9	VMARSCS035	20	22

### Outcome of Remedial

Sl No	Name	Before Remedial	After Remedial
1	VMARSCS025	29	63
2	VMARSCS002	20	31
3	VMARSCS027	15	40
5	VMARSCS033	19	46
6	VMARSCS028	18	40
7	VMARSCS030	23	55
9	VMARSCS035	13	17



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### TRANSITION ASSISTANCE

Bridge courses and other sessions to ensure the smooth transfer from one level of teaching-learning to the other is ensured.

### DEPARTMENT OF STATISTICS – SAMPLE REPORT OF BRIDGE COURSE 2016-2017

**Subject:** MATHEMATICS

**Teacher (Name and Address) :** Smt. DELLA DAVIS

**Faculty in charge:** Smt. Annamma Thachil

#### List of students:

Sl. No.	NAME
1	AISWARYA P V
2	KARTHIKA P SURESH
3	MERIN RAPPAI
4	NEERAJA BHASKARAN
5	SUKANYA E S
6	AMRUTHA P B
7	ANITTA ABRAHAM
8	ANJALY N A
9	LIMCY VARGHESE
10	SALIHA C K
11	AKSHARA E R
12	ANJANA FRANCIS

#### DATES OF SESSIONS:

Sl. No.	NAME	1 5 / 1 2	17/ 12	31/ 12	4/ 1	7/ 1	11/ 1	12/ 1	18/ 1	21/ 1	28/1 (2 hou rs)	1/2 (2 hou rs)	2/2 (2 hou rs)	4/ 2
1	Aiswarya P V	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Karthika P Suresh	x	a	x	x	x	x	a	x	x	x	x	a	x
3	Merin Rappai	x	a	x	x	x	x	x	x	x	x	x	x	x



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4	Neeraja Bhaskaran	x	a	a	x	x	x	x	x	x	x	x	x	a
5	Sukanya E S	x	x	x	x	x	x	x	x	x	x	x	x	x
6	Amrutha P B	x	x	x	x	x	x	x	x	x	x	x	x	x
7	Anitta abraham	x	x	x	x	x	x	x	x	x	x	x	x	x
8	Anjaly N A	x	x	x	a	x	x	x	x	a	x	x	x	x
9	Limcy Varghese	x	x	x	x	a	x	x	x	x	a	x	x	x
10	Saliha C K	x	x	x	x	x	x	x	x	x	x	x	x	x
11	Akshara E R	a	x	x	x	x	a	x	x	x	x	x	x	x
12	Anjana Francis	x	x	x	x	x								

### Study materials purchased/ obtained:

Complementary Mathematics Text book ( II Semester) – Author DR. Bijumon R- 9 Text books purchased from College store @ Rs 160/-.

### Evaluation or Tests conducted:

SL No.	NAME	Test 1 (Out of 15)	Test 2 (out of 15)
1	AISWARYA P V	11	14
2	KARTHIKA P SURESH	10	13
3	MERIN RAPPAI	5	10
4	NEERAJA BHASKARAN	5	12
5	SUKANYA E S	9	13
6	AMRUTHA P B	9	10
7	ANITTA ABRAHAM	8	12
8	ANJALY N A	7	12
9	LIMCY VARGHESE	7	12
10	SALIHA C K	7	12
11	AKSHARA ER	10	13
12	ANJANA FRANCIS	7	12

**Evaluation/ Outcomes:** Students are satisfied with the method of teaching of the faculty and the marks shows a remarkable improvement in the subject.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### DEPARTMENT OF COMPUTER SCIENCE BRIDGE COURSE ON HARDWARE FAMILIARIZATION

As part of transition assistance from plus two to B.Sc. Computer Science, first year students are familiarized with the hardware architecture of computers.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### PEER TEACHING

Peer teaching – subject specific peer groups that are interdepartmental in the case of common and complementary courses are designed by the respective course teachers.



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

PEER GROUP TEACHING – 2017 – 2020  
ZOOLOGY CORE  
PEER EDUCATOR – KEERTHI A P

DATE	SUBJECT	NAME OF STUDENT	SIGNATURE
16/08/2017	PRINCIPLES OF CLASSIFICATION AND NOMENCLATURE	JASLA, RUFAIDHA, ANILA	<i>Jasla, Annerose, Rufaidha</i>
21/08/17	PHYLUM PORIFERA	ANILA, ANNEROSE, JASLA	<i>Annerose, Jasla</i>
25/08/17	SOME BASIC CONCEPTS OF CHEMISTRY	ANNEROSE, SERIN, SWALIHA	<i>Annerose, Serin</i>
13/09/17	BOTANY: MICROSCOPE	DELMA, ANILA, RUFAIDHA	<i>Annerose, Delma</i>
19/08/17	SERIAL SECTIONING	DELMA, JASLA	<i>Delma, Jasla</i>
25/08/17	FIVE KINGDOM CLASSIFICATION	SERIN, RUFAIDHA, JASLA	<i>Serin, Rufaidha, Jasla</i>
4/10/17	CHEMISTRY: MOT	JASLA	<i>Jasla</i>
10/10/17	TISSUE SYSTEM	SWALIHA	<i>Swaliha</i>
22/10/17	MICROBIOLOGY	RUFAIDHA, JASLA	<i>Rufaidha, Jasla</i>
30/10/17	PHYCOLOGY	SERIN	<i>Serin</i>
7/11/17	CHEMISTRY	ANNEROSE, SERIN,	<i>Annerose, Serin</i>
11/11/17	PHYLUM MOLLUSCA	DELMA, SWALIHA	<i>Delma, Swaliha</i>
15/01/2019	BRYOLOGY	RUFAIDHA, DELMA	<i>Rufaidha, Delma</i>
23/01/19	ANNELIDA	ANILA, ANNEROSE	<i>Annerose, Anila</i>
31/01/19	HEMICHORDATA	JASLA	<i>Jasla</i>
6/02/19	CHEMISTRY	SERIN, ANILA,	<i>Annerose, Serin</i>
16/02/19	MYCOLOGY	ANNEROSE, JASLA, SWALIHA	<i>Annerose, Jasla</i>
23/16/19	ECHIURA	SWALIHA	
27/02/19	PLANT PATHOLOGY	JASLA, DELMA	<i>Jasla, Delma</i>

TUTOR IN CHARGE

Dr. PETRISIA JOSEPH  
Assistant Professor  
Department of Zoology  
Vimala College, Thrissur-9



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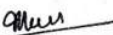
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### Sample Peer Educator Certificate


**VIMALA COLLEGE (Autonomous)**  
**THRISSUR, KERALA – 680009**  
College with Potential for Excellence  
NAAC Reaccredited (3rd Cycle) 'A' Grade with CGPA 3.5  
Govt.Aided and Affiliated to the University of Calicut

  
**CERTIFICATE**


This is to certify that Ms. Punnya U S, 2nd year B Sc has been served as  
**Peer Educator** as part of Transition Support Service during 2017 -18

  
IQAC Coordinator



  
Principal



  
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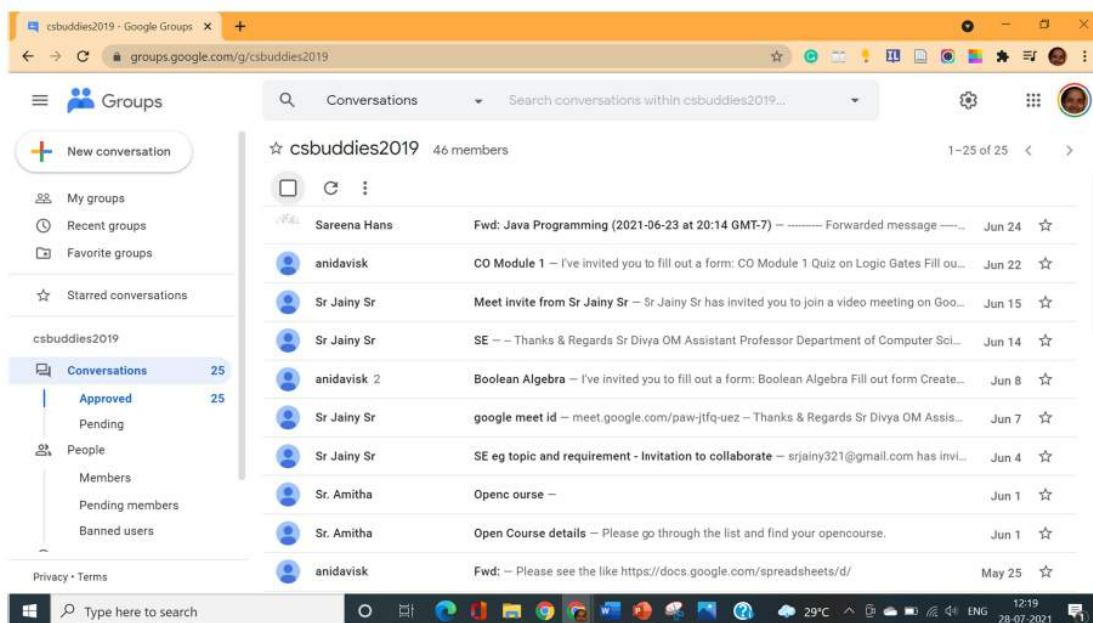


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## SHARING CIRCLE

Google groups within classes are established to encourage the sharing of all resources and material for studies.

Sample



Members for group csbuddies2019						
Email address	Join year	Join month	Join day	Join hour	Join minute	Join second
2001aswathyrb@gmail.com	2020	5	28	9	47	23
aiswaryasreenivas2022@gmail.com	2020	5	28	9	53	27
alnajobc@gmail.com	2020	5	28	9	52	29
amithacmc@gmail.com	2020	5	27	21	52	42
anagharegy3333@gmail.com	2020	5	28	8	35	0
anainathekkuden@gmail.com	2020	5	28	17	14	54
aneena01012019@gmail.com	2021	5	25	10	11	33



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angelandrews251012000@gmail.com	2020	5	28	9	58	24
anidavisk@vimalacollege.edu.in	2021	5	25	9	54	24
anshababu2019@gmail.com	2020	5	29	7	58	22
anumaliyekkal304@gmail.com	2020	5	28	8	41	5
anushkakg95@gmail.com	2020	5	28	9	48	6
archanakxavier4@gmail.com	2020	5	28	9	58	58
athirajithkongoth03@gmail.com	2020	5	28	10	6	32
gathajayakumar@gmail.com	2020	5	27	23	7	48
gayathreesuresh172001@gmail.com	2020	5	28	11	58	56
hairinejoseph@gmail.com	2020	5	28	12	18	26
indulekhaharidas2000@gmail.com	2020	5	29	12	29	50
its4ashitha@yahoo.com	2020	5	28	13	24	49
jencyjoy22853@gmail.com	2020	5	29	8	53	30
lenarosejinto16@gmail.com	2021	5	25	9	15	25
linetthomas29112001@gmail.com	2020	5	28	22	38	25
mhd750943@gmail.com	2020	6	10	10	3	19
nishachittilappilly@gmail.com	2020	5	28	7	37	33
peneennaliya@gmail.com	2020	6	1	12	10	41
rpjonline314@gmail.com	2020	5	28	19	37	8
safsaree78@gmail.com	2020	5	28	16	4	46
samyukthasrikumarnair@gmail.com	2020	5	28	12	36	53
sandrasuresh10032001@gmail.com	2020	5	27	23	6	19
sanithakrishnan044@gmail.com	2020	5	28	11	41	53
sareenahans@gmail.com	2021	5	25	10	36	5



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shifabaiju@gmail.com	2020	5	27	22	14	52
shifanassaidummer@gmail.com	2020	6	4	10	28	12
shihanasalam64@gmail.com	2020	5	28	12	36	36
sivyajose2002@gmail.com	2020	5	29	15	19	22
snehaks812@gmail.com	2020	6	3	8	19	42
snehaloy73@gmail.com	2020	5	28	12	14	21
snehan3408@gmail.com	2021	6	3	12	12	48
soniyamicklesoniya@gmail.com	2020	5	28	10	27	51
sreekala29@gmail.com	2021	5	25	10	19	26
sreekuttydhu@gmail.com	2020	5	28	14	51	34
srjainy321@gmail.com	2021	6	3	12	11	20
theresalisseau2001@gmail.com	2020	5	28	13	23	48
vishnupriyams333@gmail.com	2020	5	27	22	28	36
vneenasunny@gmail.com	2020	5	28	8	9	30
yedhula248@gmail.com	2020	5	28	10	13	34



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### SIMPLIFIED NOTES

Course teachers and advanced learners provide systematic dissemination of simplified notes that aid in better comprehension of all topics

# VGC3CS1- PYTHON PROGRAMMING

Module 2

Prepared by,  
Sreekala M  
Assistant Professor,  
Department of Computer Science  
Vimala College (Autonomous), Thrissur

## CONTENTS

- Boolean expressions
- Simple if statement, if-elif-else statement, compound boolean expressions, nesting, multi way decisions.
- Loops: The while statement, range functions, the for statement, nested loops, break and continue statements, infinite loops.



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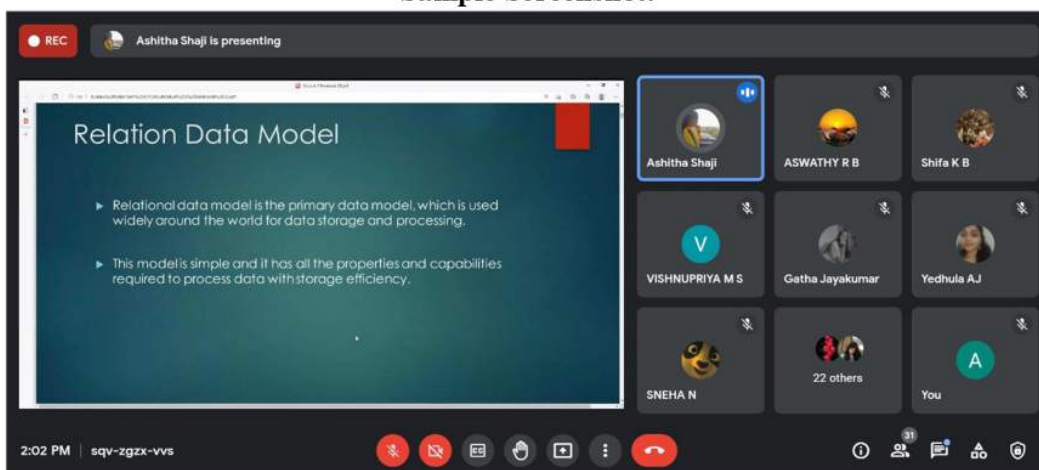
## EXAM PREPARATION GROUPS

Two weeks before the exam, exam support groups are formulated to offer assistance

### Sample Format – DEPARTMENT OF COMPUTER SCIENCE

Reg No	Name	Module
VMATSCS001	ANEENA BABU	Module 5 Revision
VMATSCS002	ANGEL ANDREWS	
VMATSCS003	ANSHA BABU	
VMATSCS004	ASHITHA SHAJI	
VMATSCS005	GATHA E J	
VMATSCS006	HAIRINE JOSEPH	Module 4 Revision
VMATSCS007	LENA ROSE T J	
VMATSCS008	PENEENNA LIYA V S	
VMATSCS009	RESHMA JAMES	
VMATSCS010	S SAMYUKTHA	
VMATSCS011	SANITHA K K	Module 3 Revision
VMATSCS012	SHIFANA S	
VMATSCS013	SHIHANA K S	
VMATSCS014	SNEHA K S	
VMATSCS015	SNEHA N	
VMATSCS016	VISHNUPRIYA M S	Module 2 Revision
VMATSCS017	YEDHULA DEVI A J	
VMATSCS018	AISWARYA SREENIVAS P	
VMATSCS019	ALEENA SHAJI	
VMATSCS020	ALNA JOB C	
VMATSCS021	ANAGHA REGY	Module 1 Revision
VMATSCS022	ANAINA T L	
VMATSCS023	ANUSHKA K G	
VMATSCS024	ARCHANA K X	
VMATSCS025	ASWATHY R B	

### Sample Screenshot:



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### SCHOLAR SUPPORT PROGRAMME (SSP) REPORT

June 2019- May 2020

The Scholar Support Programme is part of the “New Initiatives in Higher Education” initiated by the Dept of Higher Education, Govt. of Kerala. SSP aims at imparting additional support to students in curricular areas. The annual plan of Scholar Support Programme at Vimala College envisaged extended support to scholars in the under graduate programme with timely assistance in terms of tutorials, additional lectures, interactive sessions, question banks and study materials. We provided a supportive atmosphere wherein individualized and academic assistance offered to needy students, the programme envisioned to improve exam performance of students and decrease drop-outs in colleges.

80 students from 5 departments were supported by providing grant in aid of Rs. 107000. Under “Scholar Support Programme”, internal and external training sessions were conducted. Students from Malayalam, Economics, Statistics, Botany and Computer Science were participated in this programme. Scholar Support Programme aimed to foster the academic performance of the students well. This programme was also aimed to improve the talent of the students in various curricular activities by strengthening and expanding their studies. SSP programme 2020 has made every effort to utilize the allocated budget fruitfully to implement its planned activities and programmes during the year.

#### List of programmes conducted

1. 10 hours external English Coaching by External trainers from ASAP and 10 hours internal English Coaching by internal English teachers (I & II years)- Total 20 hours.
2. Subject Coaching by our Internal trainers and Research scholars (10 hours each for 5 subjects)- (I & II years)- Total 50 hours.
3. Learning Skills (3 hours) , Personal Growth(2 hours) (I & II years)- Total 5 hours  
Total hours engaged for first years- 75 hours  
Total hours engaged for Second years- 75 hours

The students enrolled in the programme achieved the following outcomes at the end of this programme.

- ❖ Improvement in academic performance, especially in terms of examination marks
- ❖ Increase in perceived support in college
- ❖ Increase in self-confidence and self-esteem



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## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### Photographs of the sessions



**Message from Vice Principal Dr Minimol K**



**Instructions from Dr Silvy Mathew, SSP Coordinator**



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