

Minutes of the Meeting Conducted on 13th April 2018

Board of Studies for B.Sc(PCA) and M.Sc(Physics)

B.Sc (PCA)

The schedule of the B.Sc (PCA) syllabus is streamlined by the Board of Studies conducted in the Physics Department on 13th of April 2018. In the meeting, the following corrections are suggested for implementation.






- Discrete Mathematics (1508637) is replaced by Digital Electronics. Digital Electronics covers the major contents of Discrete Mathematics.
- In Basic Electronics (1637307) Unit-I, the caption is changed to Introduction to Semiconductors and Semiconductor Diodes. New topics such as filters, LED and photodiodes have been included and minor changes have also been made in unit III and IV.
- In the Paper Mechanics and Properties of Matter (1637101), changes have been carried out in Unit1 and Unit2 with reference to Mechanics.


M.Sc (Physics)


- In I M.Sc General practicals (1722209), some of the experiments have been removed and in Electronics practicals (1722210), 12 experiments have been increased to 14 experiments.
- In II M.Sc. Computational Methods and C Programming Practical (1722419), programs related to zeroes of the polynomials are removed since they are lengthy.




Board members

- | | |
|-------------------------|--------------------|
| 1. Dr. C. Venkateswaran | University Nominee |
| 2. Dr. G. Anbalagan | Subject Expert |
| 3. Dr. K. Narayanan | Subject Expert |
| 4. Dr. G. Kumar Sathian | Industrial Expert |
| 5. Dr.D. Shyamala | Chairman |


13/4/2018

13/4/2018





Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.




13/4/18

Internal Members of the Board (Staff Members of the Dept)

1.	Dr. D. Syamala, M.Sc., M.Phil., ME, Ph.D.,	ASSOCIATE PROF & HEAD	<i>Syamala</i>
2.	Dr. B. Sylaja, M.Sc., M.Phil., Ph.D.,	ASSISTANT PROFESSOR	<i>Sylaja</i>
3.	Dr. Z. Delei, M.Sc., M.Phil., Ph.D.,	ASSISTANT PROFESSOR	<i>Z. Delei</i>
4.	K. Laavanya, M.Sc., M.Phil.,	ASSISTANT PROFESSOR	<i>Laavanya</i>
5.	D. Pourkoodie, M.Sc., (NET),	ASSISTANT PROFESSOR	<i>Pourkoodie</i>
6.	A. Chinnammal Janaki, M.Sc., M.Phil.,	ASSISTANT PROFESSOR	<i>Chinnammal</i>
7.	Dr. P. Arularasan, M.Sc., Ph.D.,	ASSISTANT PROFESSOR	<i>Arularasan</i>
8.	Dr. C. Ramathilagam, M.Sc., M.Phil., Ph.D.,	ASSISTANT PROFESSOR	<i>C. Ramathilagam</i>
9.	M. Amudha, M.Sc., M.Phil., (SET),	ASSISTANT PROFESSOR	<i>M. Amudha</i>
10.	K. Gomathi, M.Sc., M.Phil.,	ASSISTANT PROFESSOR	<i>Gomathi</i>
11.	A. Ramya, M.Sc., M.Phil.,	ASSISTANT PROFESSOR	<i>Ramya</i>

Syamala

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift 1)
Arumbakkam, Chennai-600 106.

D. W. L.
PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Board of Studies

M.Sc (Physics with ion of Applications)
M.Sc (Physics)

The Board of Studies was
convened on 13.11.2018
and the following changes
have been recommended. The
Minutes of the meeting is
enclosed. It was decided to
adopt the University pattern of
Question Paper (75 Marks Internal
and 25 CTA).

Shyam

Shyam
16/11

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
College 15-16

* In II M.Sc Microprocessor and
Microcontroller 8051 (1722-718) two
experiments Light Activated Horning
ALARM and Temperature activated FIRE
ALARM using temperature sensor are
included.

Principal

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Shyam
16/11

positively

implemented for the M.Sc. course
2018-19 onwards. (PG)

The following suggestions were given
by Dr. A.S. Vyteeshwaran, Asst Prof.
Theoretical Physics, Univ. of Madras.

1. The order of paper should be
changed such that the student
will have a better understanding
of In

Third Year - Electricity and Electronics

Third Year - Atomic Physics.

This suggestion would be
implemented for the academic
year 2018-19 onwards. (UG)

2. Problems should be compulsorily
included given in the Question
Paper so that the analytical ability
of students is improved. (UG)

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

The following suggestions were made.
Dr. Kumar Satyan, who is
an Industrial Expert.

PRINCIPAL

Dwaraka Doss Goverdhan Doss

Vaishnav College

Arumbakkam, Chennai-600106.

1. In Microcontroller based
Embedded system should also

* Note

The changes made in the Papers

1. Mechanics and Properties of Matter
2. Thermal Physics and Acoustics
3. Optics
4. Basic Electronics
5. Atomic Physics
6. Integrated Electronics is applicable to students admitted for 2017 onwards. Also applicable to 2016 batch. ~~14/3~~ 14/3.

The changes made in the fifth semester by shifting the Microprocessor Fundamentals from Sixth Sem, and also changes in syllabus in

1. Electricity and Electromagnetism
2. Relativity and Quantum Mechanics
3. Digital Electronics instead of Discrete Mathematics is applicable for students from 2015 batch onwards.

Shyale

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.


PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Shyale
14/3.

be included like (PG).

Study of DR, LDR, LMS.

Increase the number of expts which are to be done from 12 to 15.

Members of the Board

1. CHAIRMAN Shyama

2. UNIVERSITY NOMINEE S. Lakshmi
10-2-2017

3. SUBJECT EXPERT I *[Signature]*

4. SUBJECT EXPERT II *[Signature]*

5. INDUSTRIAL EXPERT *[Signature]*

6. ALUMNI *[Signature]*

Committee Members.

1. *[Signature]*

2. *[Signature]*

3. *[Signature]*

4. *[Signature]*

5. *[Signature]*

6. *[Signature]*

7. *[Signature]*

8. *[Signature]*
10/12/17

9. *[Signature]*

10. *[Signature]*

11. C. Ramakrishna

PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

[Signature]

Board of Studies.

B.Sc (Physics with Comp Applications) ^{ment}
M.Sc (Physics). ^{najor}

The Board of Studies was ^{and}
convened on 13th April 2018 ^{minor}
and the following changes ^{and}
have been recommended. The ^{and}
Minutes of the meeting is ^{onics}
enclosed. It was ~~it~~ decided to ^{es of}
adopt the University pattern of ^{es of}
Question Paper (75 Marks Internal ^{es of}
and 25 CTA).

Jayade.
16/4.

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaiishnav College (Shift II)
Arumbakkam, Chennai-600 106.

8085
M.Sc Microprocessor and
Microcontroller 8051, (1722418) two
experiments Light Activated Morning
ALARM, and Temperature activated FIRE
ALARM using temperature sensor LM35 is
included.

PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaiishnav College
Arumbakkam, Chennai - 600106.

Jayade.

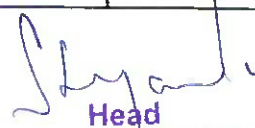


DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
COLLEGE WITH POTENTIAL FOR EXCELLENCE, LINGUISTIC MINORITY INSTITUTION
AFFILIATED TO UNIVERSITY OF MADRAS
ARUMBAKKAM, CHENNAI 600 106

CRITERION 1 - CURRICULAR ASPECTS					
1.1 CURRICULUM DESIGN & DEVELOPMENT					
PROGRAMME NAME & CODE : B.Sc. Physics with Computer Applications 37					
1.1.2 - LIST OF COURSES FOR WHICH SYLLABUS REVISION HAS BEEN CARRIED OUT AS PER THE APPROVED MINUTES OF THE BOS MEETING HELD ON 13TH APRIL 2018					
SL. NO	SEMESTER	COURSE CODE	COURSE NAME	OLD / NEW COURSE / SYLLABUS REVISION	YEAR OF INTRODUCTION - SYLLABUS REVISION & NEW COURSE
1	I	18-1937101	MECHANICS AND PROPERTIES OF MATTER	SYLLABUS REVISION	2018-2019
2	I	18-1936106	MATHEMATICS PAPER - I	OLD	-
3	II	18-1937203	THERMAL PHYSICS AND ACOUSTICS	OLD	-
4	II	18-1936212	MATHEMATICS PAPER - II	OLD	-
5	II	18-1937204	PCA Core Practical I	OLD	-
6	III	18-1937306	OPTICS	OLD	-
7	III	18-1937307	BASIC ELECTRONICS	SYLLABUS REVISION	2019-2020
8	III	18-1937308	DATA STRUCTURES	OLD	-
9	III	18-1937309	OBJECT ORIENTED PROGRAMMING USING C++	OLD	-
10	III	18-1937310	Computer Core Paper I DATA STRUCTURES	OLD	-
11	III	18-1937311	Computer Core Paper II OBJECT ORIENTED PROGRAMMING USING C++	OLD	-
12	IV	18-1937412	ATOMIC PHYSICS	OLD	-
13	IV	18-1937413	Elective 1-INTEGRATED ELECTRONICS	OLD	-
14	IV	18-1937414	OPERATING SYSTEMS	OLD	-
15	IV	18-1937415	DATABASE MANAGEMENT SYSTEM	OLD	-
16	IV	18-1937416	PCA Core Practical II	OLD	-
17	IV	18-1937417	Computer Core Practical III RDBMS using	OLD	-
18	V	18-1937518	NUCLEAR PHYSICS AND PARTICLE PHYSICS	OLD	-
19	V	18-1937520	SOLID STATE PHYSICS	OLD	-
20	V	18-1937520	Elective II- MICROPROCESSOR FUNDAMENTALS	OLD	-
21	V	18-1937521	PROGRAMMING IN JAVA	OLD	-
22		18-1937522	Computer Core Practical IV PROGRAMMING IN JAVA	OLD	-


PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.


Head

Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
COLLEGE WITH POTENTIAL FOR EXCELLENCE, LINGUISTIC MINORITY INSTITUTION
AFFILIATED TO UNIVERSITY OF MADRAS
ARUMBAKKAM, CHENNAI 600 106

23	VI	18-1937623	ELECTRICITY AND ELECTROMAGNETISM	OLD	-
24	VI	18-1937624	RELATIVITY AND QUANTUM MECHANICS	OLD	-
25	VI	18-1937625	MATHEMATICAL PHYSICS & NUMERICAL METHODS	OLD	-
26	VI	18-1937626	DIGITAL ELECTRONICS	OLD	-
27	VI	18-1937627	Physics Core Practical III	OLD	-
28	VI	18-1937628	Physics Core Practical IV	OLD	-
29	VI	18-1937629	Physics Core Practical V	OLD	-

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.