## Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- Odd or Even

### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. R. Murali
- 2. Dr. P. Sekar Ramasubramanian
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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John 29.08.19

## Signature of the School / Students in-charges

## Name of the Staff

- 1. Mrs. S. Baby Lit, PG Assistant, G.H.S.S., Munchirai.
- 2. Mr. K.P. Sajesh Kumar, Computer Instructor, G.H.S.S., Munchirai.
- 3. Mrs. S. Shanthi, PG Assistant, G.H.S.S., Munchirai.

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Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 29.08.2019 Time: 9.30 a.m. to 3.30 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Govt. Hr. Sec. School, Munchirai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 151

#### List of Practicals conducted:

#### Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



## Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

## Signature of the School / Students in-charges

Name of the Staff

1. Mr. P. George, PG Assistant, G.H.S.S., Munchirai.

2. Mrs. Rexlin, PG Assistant, G.H.S.S., Munchirai.

3. Mrs. A.S. Geetha, PG Assistant, G.H.S.S., Munchirai.

Signature



Nanjil Catholic College of Arts & Science Kaliyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 30.08.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Govt. Hr. Sec. School, Munchirai.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 116

## List of Practicals conducted:

#### Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



#### Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

#### Zoology:

- 1. ABO Blood grouping
- Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Staff

1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

#### Name of the Staff

- 1. Mrs. R. Indra Kumari, PG Assistant, G.H.S.S., Arumanai.
- 2. Mrs. V.C. Sobha, PG Assistant, G.H.S.S., Arumanai.
- 3. Mr. P.S. Vaikunda Mani, PG Assistant, G.H.S.S., Arumanai.
- 4. Mrs. D.R. Chandra Kala, PG Assistant, G.H.S.S., Arumanai.

5. Mr. M. Dominic Xavier, PG Assistant, G.H.S.S., Arumanai.

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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 31.08.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Govt. Hr. Sec. School, Arumanai.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 112

#### List of Practicals conducted:

#### Physics'

 Determination of the specific resistance of the material of the given coil using Metre Bridge.

- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

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## Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

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#### Signature of the School / Students in-charges

Name of the Staff

1. Mrs. M.R. Deepthi Evans, PG Assistant, G.H.S.S., Arumanai.

2. Mrs. Suja Rani, PG Assistant, G.H.S.S., Arumanai.

3. Mrs. Sheeja, PG Assistant, G.H.S.S., Arumanai.

4. Mr. Reghu Ram, PG Assistant, G.H.S.S., Arumanai.

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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 05.09.2019 Time: 9.30 a.m. to 3.30 p.m.

Venue Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Hr. Sec. School, Arumanai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 36

#### List of Practicals conducted:

#### Physics:

- Determination of the specific resistance of the material of the given coil using Metre Bridge.
- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- Investigation of the voltage current characteristics of PN junction diode.
- Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 24.09.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics & Language Laboratories

School Name

: Govt. Hr. Sec. School, Kollemcode.

Practicals conducted : Physics & Language Lab

Number of Students attended: 80

List of Practicals conducted:

#### Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

Signature of the Workshop in-charges

Name of the Staff

Signature

1. Dr. P. Sekar Ramasubramanian

24/08/19

Signature of the School / Students in-charges

Name of the Staff

Designation

Signature

P. MEENA KUMARI PGASSTPHYSICS

A. Angelin Chilma P.G. Asst. Physics

Nanjil Catholic College of Arts & Science

Kaliyakkavilai - 629 153

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

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1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Dr. M. Sini Margret

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#### Signature of the School / Students in-charges

Name of the Staff

1. Ms. C.P. Ajusha, PG Assistant, Chemistry.

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2. Ms. V. Sreelekshmi, UG Assistant, Biology.

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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 26.09.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry & Zoology Laboratories

School Name

: Badarul Islam Matric School, Kaliyakkavilai.

Practicals conducted

: Physics, Chemistry & Zoology

Number of Students attended: 31

List of Practicals conducted:

## Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



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Kaliyakkavilai - 629 153

#### Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Mr. K.C. Abhilash Sam Paulstin

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## Signature of the School / Students in-charges

Name of the Staff

1. Mrs. S. Stella, PG Assistant

2. Mrs. R. Deepa, PG Assistant

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Kallyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 27.09.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry & Computer Science Laboratories

School Name

: Govt. Boys Hr. Sec. School, Marthandam.

Practicals conducted

: Physics, Chemistry & Computer Science

Number of Students attended: 15

## List of Practicals conducted:

### Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



## Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

### Signature of the Workshop in-charges

Name of the Staff

1. Dr. R. Murali

2. Dr. P. Sekar Ramasubramanian

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

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## Signature of the School / Students in-charges

Name of the Staff

1. Mrs. S. Ajitha, PG Assistant

2. Mrs. J.B. Sails Cablin

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Nanjil Catholic College of Arts & Science Kaliyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 27.09.2019

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Govt. Hr. Sec. School, Thickurichy.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 34

### List of Practicals conducted:

#### Physics:

- 1. Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis



## Computer Science:

- 1. Calculate factorial
- 2. Sum of series
- 3. Odd or Even

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Commerce:

1. Tally

## Signature of the Workshop in-charges

Name of the Staff

Signature

- 1. Dr. R. Murali
- 2. Dr. P. Sekar Ramasubramanian
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret
- 5. Dr. K. Lucas

### Signature of the School / Students in-charges

#### Name of the Staff

- 1. Mr. Justus, PG Assistant, Holy Family H.S.S., Mukkuttukal.
- 2. Mrs. L. Suja, PG Assistant, Holy Family H.S.S., Mukkuttukal.
- 3. Mrs. A. Anisha, PG Assistant, Holy Family H.S.S., Mukkuttukal.

A. Mrs. S. T. Poliz



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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 03.01.2020

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Holy Family Hr. Sec. School, Mukkuttukal.

Practicals conducted

: Physics, Chemistry, Computer Science, Zoology & Tally

Number of Students attended: 54

## List of Practicals conducted:

#### Physics:

- Determination of the specific resistance of the material of the given coil using Metre Bridge.
- 2. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 3. Determination of the magnetic field at a point on the axis of a circular coil.
- 4. Determination of the refractive index of the material of the prism by finding angle of prism and angle of minimum deviation using spectrometer.
- 5 Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 6. Investigation of the voltage current characteristics of PN junction diode.
- 7. Investigation of the voltage current characteristics of Zener diode.
- 8. Verification of the truth table of the basic logic gates using integrated circuits.
- 9. Verification of De-Morgan's theorems using Integrated circuits.

### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis





- SQL and Python
- CSV and Python
- Using Pip

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

## Signature of the School / Students in-charges

#### Name of the Staff

1. Mr. M. Sathianesan, PG Assistant, Govt. Boys Hr. Sec. School, Marthandam.

2. Mrs. R.B. Deepa, PG Assistant, Govt. Boys Hr. Sec. School, Marthandam.

3. Mrs. C. Leema Rosalin, PG Assistant, Govt. Boys Hr. Sec. School, Marthandam.

4. Mr. V. Soundara raj, PG Assistant, Govt. Boys Hr. Sec. School, Marthandam.

Signature

Nanjil Catholic College of Arts & Science Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 12.03.2022 Time: 9.30 a.m. to 3.30 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Boys Higher Secondary School, Marthandam.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 67

#### List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - **CSV** and Python
  - Using Pip

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

## Signature of the School / Students in-charges

#### Name of the Staff

1. Mrs. Ambika A, PG Assistant, Govt. Model Hr. Sec. School, Kadayal.

2. Mrs. Rachel Beula V, PG Assistant, Govt. Model Hr. Sec. School, Kadayal.

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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 14.03.2022

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Model Higher Secondary School, Kadayal.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 40

## List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- Investigation of the voltage current characteristics of PN junction diode.
- Verification of the truth table of the basic logic gates using integrated circuits.
- Verification of De-Morgan's theorems using Integrated circuits.
- Compare the electromotive force of two primary cells using potentiometer.

### Chemistry:

- Organic Qualitative Analysis
- 2. Volumetric Analysis

- Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - · Using Pip

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amglanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

## Name of the Staff

Signature

1. Mrs. J. Mary Nirmala Latha Bai, PG Assistant, Yettacode Hr. Sec. School, Yettacode. Joshany

2. Mrs. D. Shoba, PG Assistant, Yettacode Hr. Sec. School, Yettacode

3. Mr. F. Ramesh Babu, PG Assistant, Yettacode Hr. Sec. School, Yettacode.

4. Mr. R. Ajin, PG Assistant, Yettacode Hr. Sec. School, Yettacode

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Kaliyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 15.03.2022 Time: 9.30 a.m. to 3.30 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Yettacode Higher Secondary School, Yettacode.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 109

#### List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

## Name of the Staff

Signature

1. Mrs. S. Asha Christy, PG Assistant, Yettacode Hr. Sec. School, Yettacode.

Mrs. R. Josphin Latha, PG Assistant, Yettacode Hr. Sec. School, Yettacode





# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 15.03.2022 Time: 1.00 p.m. to 4.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Yettacode Higher Secondary School, Yettacode.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 85

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



## 2. Python

- SQL and Python
- CSV and Python
- Using Pip

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

## Signature of the School / Students in-charges

#### Name of the Staff

1. Mr. G. Reguraman, PG Assistant, Aided Hr. Sec. School, Arumanai.

2. Mr. A. Edwin, PG Assistant, Aided Hr. Sec. School, Arumanai.

3. Mrs. P.R. Suja Rani, PG Assistant, Aided Hr. Sec. School, Arumanai.

4. Mrs. T. Selvi, PG Assistant, Aided Hr. Sec. School, Arumanai.

Signature



Nanjil Catholic College of M

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 16.03.2022 Time: 9.30 a.m. to 1.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Aided Higher Secondary School, Arumanai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 47

List of Practicals conducted:

### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



## 2. Python

- SQL and Python
- CSV and Python
- Using Pip

## Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

## Name of the Staff

Signature

- 1. Mrs. R. Meena Kumari, PG Assistant, Government Hr. Sec. School, Kollemcode.
- 2. Mrs. T. Sheeba Raj, PG Assistant, Government Hr. Sec. School, Kollemcode.

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Catholic College of Arts & Science
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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 16.03.2022

Time: 9.30 a.m. to 1.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Government Higher Secondary School, Kollemcode.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 48

## List of Practicals conducted:

### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

## Computer Science:

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



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Kaliyakkavilai - 629 153

## 2. Python

- SQL and Python
- CSV and Python
- Using Pip

## Zoology:

- ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

## Signature of the School / Students in-charges

## Name of the Staff

1. Mrs. S. Leena, PG Assistant, Government Hr. Sec. School, Vilavancode.

Mrs. Sojeena O.S

- 2. Mrs. Sepeena S, PG Assistant, Government Hr. Sec. School, Vilavancode.
- 3. Mr. G. Stalin, PG Assistant, Government Hr. Sec. School, Vilavancode.
- 4. Mr. K. Sasidharan, PG Assistant, Government Hr. Sec. School, Vilavancode.

Signature



# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 16.03.2022

Time: 1.00 p.m. to 4.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Government Higher Secondary School, Vilavancode.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 37

## List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

## Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
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  - Using Query



### 2. Python

- SQL and Python
- CSV and Python
- Using Pip

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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Signature of the School / Students in-charges

Name of the Staff

Signature

- 1. Mrs. Preetha, PG Assistant, Friends Matric Hr. Sec. School, Panamkalai.
- 2. Mrs. Shynimol, PG Assistant, Friends Matric Hr. Sec. School, Panamkalai.
- 3. Mr. Ratheesh, PG Assistant, Friends Matric Hr. Sec. School, Panamkalai.

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Nanjil Catholic College of Arts & Science
Kaliyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 17.03.2022

Time: 9.30 a.m. to 1.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Friends Matric Higher Secondary School, Panamkalai, Kaliyakkavilai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 31

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

### Chemistry:

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- 2. Volumetric Analysis

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  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

#### Name of the Staff

- 1. Mr. R.L. Shibu, PG Assistant, Government Hr. Sec. School, Palukal.
- 2. Mr. K. Raja, PG Assistant, Government Hr. Sec. School, Palukal.
- 3. Mrs. S. Sindhu, PG Assistant, Government Hr. Sec. School, Palukal.
- 4. Mrs. J.M. Queen Blessy, PG Assistant, Government Hr. Sec. School, Palukal.

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Kaliyakkavilai - 629 153

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# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12<sup>th</sup> STANDARD STUDENTS

Date: 17.03.2022 Time: 9.30 a.m. to 1.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Higher Secondary School, Palukal.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 87

List of Practicals conducted:

#### Physics:

1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.

- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
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  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

## Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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## Signature of the School / Students in-charges

Name of the Staff

1. Mrs. R. Indra Kumari, PG Assistant, Government Hr. Sec. School, Arumanai.

2. Mrs. V C Sobha, PG Assistant, Government Hr. Sec. School, Arumanai.`

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Nanjil Catholic Coilege of Arts & Science Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12" STANDARD STUDENTS

Date: 17.03.2022

Time: 1.00 p.m. to 4.00 p.m.

Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Higher Secondary School, Arumanai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 78

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query

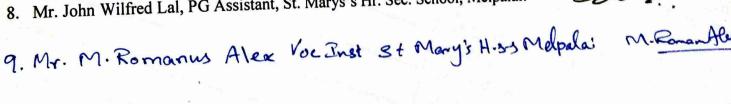


### Signature of the School / Students in-charges

#### Name of the Staff

Signature

- Mrs. R. Premalatha, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- 2. Mrs. R. Jeen Sajera, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- Mr. Bermin Singh, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- Mr. Mahizha Jeba Singh, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- 5. Mrs. M. Sutha, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- Mrs. V. Maria Amritham, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- 7. Mrs. P. Alpha Ezhil Rose, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.
- 8. Mr. John Wilfred Lal, PG Assistant, St. Marys's Hr. Sec. School, Melpalai.





Kaliyakkavilai - 629 153

#### 2. Python

- SQL and Python
- CSV and Python
- Using Pip

#### Computer Technology:

- 1. PageMaker
- 2. CorelDraw

#### Zoology:

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

#### Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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Nanjil Catholic College of Arts & Science Kaliyakkavilai - 629 153

# TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date : 18.03.2022

Time; 9.30 a.m. to 1.00 p.m.

Venne

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: St. Mary's Higher Secondary School, Melpalai.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 187

### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- Xampp MySQL
  - Database Creation
  - Table Creation
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  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

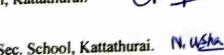
### Signature of the School / Students in-charges

Name of the Staff

Signature

- 1. Mr. Maria Xavier, PG Assistant, Government Hr. Sec. School, Kattathurai.
- 2. Mrs. T. Jeya Latha, PG Assistant, Government Hr. Sec. School, Kattathurai.

3. Mrs. N. Lalitha Usha Kumari, PG Assistant, Government Hr. Sec. School, Kattathurai.





## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 18.03.2022

Time: 1.00 p.m. to 4.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Government Higher Secondary School, Kattathurai.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 83

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Pythen
  - SQL and Python
  - CSV and Python
  - · Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- Determination of colour and pH in given water samples.
- Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Stuff

I. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhillash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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#### Signature of the School / Students in-charges

#### Name of the Staff

- 1. Mrs. C. Ann Shoba, PG Assistant, P.P.M. Higher Secondary School, Anducode.
- 2. Mrs. K.R. Uma, PG Assistant, P.P.M. Higher Secondary School, Anducode.
- 3. Mrs. O. Usha Devi, PG Assistant, P.P.M. Higher Secondary School, Anducode.

Signature

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Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 19.03.2022

Time: 9.30 a.m. to 1.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: P.P.M. Higher Secondary School, Anducode.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 75

### List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- Xampp MySQL
  - Database Creation
  - **Table Creation**
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Staff

Signature

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

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#### Signature of the School / Students in-charges

#### Name of the Staff

Signature

- 1. Mrs. M. Bismi, PG Assistant, St. Joseph's Higher Secondary School, Thiruthuvapuram.
- 2. Mr. G. Clement, St. Joseph's Higher Secondary School, Thiruthuvapuram.
- 3. Mrs. M. Halen Sheela, St. Joseph's Higher Secondary School, Thiruthuvapuram.
- 4. Mrs. W. Jeselet Selva Rani, St. Joseph's Higher Secondary School, Thiruthuvapuram.

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Nanjil Catholic College of Arts & Science Kaliyakkavilai - 629 153



## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 21.03.2022 Time: 9.30 a.m. to 1.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : St. Joseph's Higher Secondary School, Thiruthuwapuram.

Practicals conducted : Physics, Chemistry, Computer Science & Zaulogy

Number of Students attended: 146

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret

Signature

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### Signature of the School / Students in-charges

Name of the Staff

Signature

1. Mrs. Shamini R, PG Assistant, Badharul Islam Matric. Hr. Sec. School, Kaliakkavilai.

2. Mrs. Gulab Jeena R, PG Assistant, Badharul Islam Matric. Hr. Sec. School, Kaliakkavilai



Nanjil Catholic College of Arts & Science
Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 21.03.2022

Time: 1.00 p.m. to 4.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: Badharul Islam Matric Higher Secondary School, Kaliakkavilai.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 7

#### List of Practicals conducted:

#### Physics:

- Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

### Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

Dr. M. Sini Margret

Signature

#### Signature of the School / Students in-charges

#### Name of the Staff

- 1. Mr. G. Clement, St. Joseph's Higher Secondary School, Thiruthuvapuram.
- 2. Mrs. P. Bhamini, St. Joseph's Higher Secondary School, Thiruthuvapuram.
- 3. Mrs. M. Mary Ahila, St. Joseph's Higher Secondary School, Thiruthuvapuram.

Signature

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## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 21.03.2022

Time: 1.00 p.m. to 4.00 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: St. Joseph's Higher Secondary School, Thiruthuvapuram.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 146

List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



#### Signature of the School / Students in-charges

#### Name of the Staff

Signature

- Mrs. Y. Rich Vijaya, PG Assistant, St. Francis Higher Secondary School, Vavarai. Y. Phone-
- 2. Mrs. V. Fency Latha, PG Assistant, St. Francis Higher Secondary School, Vavarai. V. Jeney
- 3. Mrs. S. Alarrym Filda, PG Assistant, St. Francis Higher Secondary School, Vavarai.
- 4. Mrs. C. Leela Bai, PG Assistant, St. Francis Higher Secondary School, Vavarai.
- 5. Mrs. B. Helen Metilda, PG Assistant, St. Francis Higher Secondary School, Vavarai.
- 6. Mr. J. Jerald, PG Assistant, St. Francis Higher Secondary School, Vavarai (1.0)
- 7. Mr. S. Lawrence, PG Assistant, St. Francis Higher Secondary School, Vavarai.



Nanill Catholic College of Arts/6 Science Kaliyakkavitai - 629 153

- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Mathematics:

- 1. Properties of Complex numbers
- 2. Properties in Matrices
- 3. Mathematics Puzzles
- 4. Shortcut in Mathematics

#### English Language Lab:

- 1. Basic Instruction on Communication Lab
- 2. L.S.R.W. Skills
- 3. Introduction to Pronunciation
- 4. Enhancing Communicative Competency
- 5. Comprehension Techniques

#### Signature of the Workshop in-charges

#### Name of the Staff

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
- 4. Dr. M. Sini Margret
- 5. Dr. A. Ajitha
- 6. Dr. R. Rooban Raja Sekhar

Signature

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Nanjil Catholic College of Arts & Science Kallyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 22.03.2022

Time: 9.30 a.m. to 3.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: St. Francis Higher Secondary School, Vavarai.

Practicals conducted: Physics, Chemistry, Computer Science, Zoology,

English Language Lab & Mathematics

Number of Students attended: 237

List of Practicals conducted:

#### Physics:

1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.

- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
  - Table Creation
  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

### Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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#### Signature of the School / Students in-charges

#### Name of the Staff

1. Mr. S. Francis, PG Assistant, St. Mary's Higher Secondary School, Kaliyal.

2. Mr. C. Dellus, PG Assistant, St. Mary's Higher Secondary School, Kaliyal.

3. Mrs. D. Threesha Vetti Selvi, PG Assistant, St. Mary's Higher Secondary School, Kaliyal.

4. Mrs. S.R. Brani Sheela, PG Assistant, St. Mary's Higher Secondary School, Kaliyal.

Signature

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PRINCIPAL
Nanjil Catholic College of Arts & Science
Kaliyakkavitai - 629 153



## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 23.03.2022

Time: 9.30 a.m. to 12.30 p.m.

Venue

: Physics, Chemistry, Computer Science & Zoology Laboratories

School Name

: St. Mary's Higher Secondary School, Kaliyal.

Practicals conducted

: Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 97

#### List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- 2. Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
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- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.

4. Qualitative test for Protein and Carbohydrate.

### English Language Lab:

- 1. Basic Instruction on Communication Lab
- 2. L.S.R.W. Skills
- 3. Introduction to Pronunciation
- 4. Enhancing Communicative Competency
- 5. Comprehension Techniques

### Signature of the Workshop in-charges

Name of the Staff

Signature

- 1. Dr. M. Amalanathan
- 2. Dr. R. Murali
- 3. Mr. K.C. Abhilash Sam Paulstin
  - 4. Dr. M. Sini Margret
  - 5. Dr. R. Rooban Raja Sekhar



Kaliyakkavilai - 629 153

## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 23.03.2022 Time: 12.00 p.m. to 4.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Higher Secondary School, Kulasekharam.

Practicals conducted: Physics, Chemistry, Computer Science, Zoology &

**English Language Lab** 

Number of Students attended: 80

List of Practicals conducted:

#### Physics:

- 1. Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.
- Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.
- 3. Investigation of the voltage current characteristics of PN junction diode.
- 4. Verification of the truth table of the basic logic gates using integrated circuits.
- 5. Verification of De-Morgan's theorems using Integrated circuits.
- 6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
  - Database Creation
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  - Insert values to the Table
  - Using Query



- 2. Python
  - SQL and Python
  - CSV and Python
  - Using Pip

- 1. ABO Blood grouping
- 2. Fermentation by Yeast
- 3. Determination of colour and pH in given water samples.
- 4. Qualitative test for Protein and Carbohydrate.

#### Signature of the Workshop in-charges

Name of the Staff

1. Dr. M. Amalanathan

2. Dr. R. Murali

3. Mr. K.C. Abhilash Sam Paulstin

4. Dr. M. Sini Margret

Signature

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#### Signature of the School / Students in-charges

#### Name of the Staff

1. Mrs. Sheeba S, PG Assistant, Government Model Higher Secondary School, Munchirai.

2. Mrs. Rexlin M, PG Assistant, Government Model Higher Secondary School, Munchirai.

3. Mrs. Nightingale Christy P, PG Assistant, Government Model Higher Secondary School, Munchirai.

4. Mr. Justin Biju J, PG Assistant, Government Model Higher Secondary School, Munchirai.

5. Mr. Sajesh Kumar K P, PG Assistant, Government Model Higher Secondary School, Munchira

6. Mrs. Mercy Helan V, PG Assistant Model Higher Secondary School, Munchirai.

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Signature

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## TRAINING PROGRAMME ON PRACTICAL TECHNIQUES FOR 12th STANDARD STUDENTS

Date: 24.03.2022 Time: 10.30 a.m. to 2.00 p.m.

Venue : Physics, Chemistry, Computer Science & Zoology Laboratories

School Name : Government Model Higher Secondary School, Munchirai.

Practicals conducted : Physics, Chemistry, Computer Science & Zoology

Number of Students attended: 146

List of Practicals conducted:

#### Physics:

 Determination of the value of the horizontal component of the Earth's magnetic field using tangent Galvanometer.

Determination of the wave length of a composite light by normal incidence method using diffraction grating and spectrometer.

3. Investigation of the voltage current characteristics of PN junction diode.

4. Verification of the truth table of the basic logic gates using integrated circuits.

5. Verification of De-Morgan's theorems using Integrated circuits.

6. Compare the electromotive force of two primary cells using potentiometer.

#### Chemistry:

- 1. Organic Qualitative Analysis
- 2. Volumetric Analysis

- 1. Xampp MySQL
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  - Table Creation
  - Insert values to the Table
  - Using Query





## College of Arty & Science

#### NEDUMCODE, KALIYAKKAVILAI - 629 153, K.K.DISTRICT, TAMIL NADU

(Accredited with 'B' by NAAC) (Approved by UGC under section 2(f) status)

Phone: 04651-244788, Mobile: 8903013368, E-mail: nanjilccas@gmail.com, www.nanjilcatholiccollegekk.com

Ref. No.: NACCAS/School/2021-2022/794

Date: 26-02-2022

To

The Chief Educational Officer,

Nagercoil.

Kanyakumari.

Respected Sir,

Greetings from Nanjil Catholic College of Arts and Science, Kaliyakkavilai.

I wish to state that, we will depute our teachers to conduct Practical Training, Career Guidance and Motivation Talk to the students of the following schools.

- 1. Government Higher Secondary School, Munchirai.
- 2. Government Higher Secondary School, Kollemcode.
- 3. Government Higher Secondary School, Palugal.
- 4. Government Higher Secondary School, Kadayalumoodu.
- 5. Government Higher Secondary School, Vilavancode.
- 6. Government Boys Higher Secondary School, Marthandam.
- 7. Government Girls Higher Secondary School, Marthandam.
- 8. Government Higher Secondary School, Kattathurai.
- 9. Government Higher Secondary School, Nattalam.
- 10. Government Higher Secondary School, Koodaithooki.
- 11. Government Higher Secondary School, Arumanai.
- 12. T.C.K. Higher Secondary School, Padanthalumoodu.
- 13. St. Pious XI Higher Secondary School, Thoothoor.
- 14. St. Aloysius Higher Secondary School, Marthandamthurai
- 15. Abraham Memorial Higher Secondary School, Maruthancode.
- 16. Yettacode Higher Secondary School, Yettacode.
- 17. St. Francis Higher Secondary School, Vavarai.
- 18. St. Joseph's Higher Secondary School, Thirithuvapuram.
- 19. St. Mary's Higher Secondary School, Melpalai.
- 20. P.P.M. Higher Secondary School, Anducode.
- 21. Higher Secondary School, Arumanai.
- 22. St. Mary's Higher Secondary School, Kaliyal.
- 23. Sacred Heart Matriculation Higher Secondary School, Padanthalumoodu.
- 24. S.P. Friends Higher Secondary School, Kaliyakkavilai.
- 25. Badharul Islam Higher Secondary School, Kaliyakkavilai.
- 26. St. Ursula's Girls Higher Secondary School, Kulasekharam

I kindly request your good self to give permission to our college to inform the Headmasters of schools cited above.

Best regards,



Yours faithfully,

PRINCIPAL Naniil Catholic College of Arts & Science Kaliyakkavilai - 629 153 -

Learn Lead Transform

- 17. புணித பிரான்சிஸ் மேல்நிலைப்பள்ளி, வாவறை
- 18. புணித ஜோசப் மேல்நிலைப்பள்ளி, திருத்துவபுரம்
- 19. புணித மேரி மேல்நிணைப்பள்ளி, மேல்பாலை
- 20. பி.பி.எம். மேல்நிலைப்பள்ளி, அண்டுகோடு
- 21. அருமனை மேல்நிலைப்பள்ளி, அருமனை
- 22. புணித மேரி மேல்நிலைப்பள்ளி, களியல்
- 23. சேக்ரட் ஹார்ட் மெட்ரிக் பள்ளி, படந்தானுமூடு
- 24. எஸ்.பி. கிரண்டஸ் மேல்நிலைப்பள்ளி, களியக்காவிளை
- 25. ஊர்சுலாஸ் மேல்நிலைப்பள்ளி, குலசேகரம்
- 26. பாரத் இஸ்லாம் மேல்நிலைப்பள்ளி, களியக்காவிளை நகல்

மாவட்டக்கல்வி அலுவலர், குழித்துறை, திருவட்டார் (தகவலுக்காக அனுப்புலாகிறது)

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காம் மேல்டுகை ப்பர்கி கலியப்காவிகை

ி அலுவும். குழித்துகை, சிரு வட்டாத் இது அப்புள்ளில்

#### கண்ணியாகுமரி மாவட்ட முதன்மைக்கல்வி அலுவலரின் செயல்முறைகள்,

நக்.எண்.3240 / இ3 / 2020 நாள். .03 2022

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மாணவ / மாணவியருக்கு நாஞ்சில் கத்தோலிக்க கல்லூரி ஆசிரியர்களால் Practical Training Carrier Guidence and Motivation Task பயிற்சி வழங்கு தல்-சார்பு.

பார்கைவ

நாஞ்சில் கத்தோலிக்க கல்லூரி முதல்வரின் கடிதம்

්ර යා යාද, සහවසාර නිලාග, පුලේනින් පු

ந.க.எண்.794/2022

பார்வையில் காணும் கடிதத்தின் படி களியக்காவிளை, நாஞ்சில் கத்தோலிக்க கல்லூரி ஆசிரியர்கள் மூலம் இணைப்பில் உள்ள பள்ளி மாணவ / மாணவியருக்கு Practical Training Carrier Guidence and Motivation Task பயிற்சு வழங்கப்பட் உள்ளதால் சம்மந்தப்பட்ட பள்ளித் தலைமை ஆசிரியர்கள் மாணவ் / மாண்வியருக்கு எவ்வித் இடையூறும் இல்லாமல் பயிற்சி வழங்கிட தகுந்த ්. කාණාක / කාණාක්මාල වල සුල්ලිව පළිගි ஏற்பாடுகள் செய்து கொடுக்கும் படி தலைமை ஆசிரியர் மீளவும் கேட்டுக் கொள்ளப்படுகிறார். Guicence and Motivation Task unhand one

நாஞ்சில் கழ்தோவிச்சு எற்றுமுதன்றைக்கில்வி அலுவலித்திற

கன்னியாகுமரி மாவட்டம்

முகுள்ளம் கல்லி எ

கள்ளியாகும்கிமாக.

#### பெறுநர்

118

#### கீழ்கண்ட தலைமை ஆசிரியர்கள்.

- அரசு மேல்நிலைப்பள்ளி, முன்சிறை
- அரசு மேல்நிலைப்பள்ளி, கொல்லங்கோடு எனவும் காறியரும்கு Practice

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- அரசு மேல்நிலைப்புள்ளி, பளுகல் 3.
- அரசு மேல்நிலைப்பள்ளி, கடையாலுமுடு
- அரசு மேல்நிலைப்பள்ளி விளவங்கோடு நெறையும் இன்றைக் பயிற்
- அரசு (ஆ)மேல்நிலைப்புள்ளி, மார்த்தாண்டம்
- அரசு (ம) மேல்நிலைப்பள்ளி,மார்த்தாண்டம்
- அரசு மேல்நிலைப்பள்ளி, காட்டாத்துறை
- அரசு மேல்நிலைப்பள்ளி, நட்டாலம்
- அரசு மேல்நிலைப்பள்ளி,கூடைதூக்கி
- அரசு மேல்நிலைப்பள்ளி, அருமனை
- 12. ற்றிசி.கே உதவி பெறும் மேல்நிலைப்பள்ளி, படந்தாலுமூடு
- 13. பயஸ் XI மேல்நிலைப்பள்ளி, தூத்தூர்
- 14. புணித அலோசியஸ் மேல்நிலைப்பள்ளி, மாத்தாண்டன்துறை

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- ஆபிரகாம் நிணைவு மேல்நிலைப்பள்ளி, மருதங்கோடு
- ஏற்றகோடு மேல்நிலைப்பள்ளி, ஏற்றகோடு

Kaliyakkavilai - 629 153

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