



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SAROJINI NAIDU VANITA MAHA VIDYALAYA

(sponsored and managed jointly by Osmania Graduates Association and Exhibition society)
Exhibition grounds Nampally, Hyderabad Ph 04029555676
NAAC Accredited 3rd cycle

DEPARTMENT OF PHYSICS & ELECTRONICS

Organising

ADD ON COURSE
STATISTICS AND DATA ANALYSIS
DURATION (Jan - Mar 2021)

Interested Students can contact Department of Physics and Electronics

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle



Sarojini Naidu Vanita Maha Vidyalaya

Exhibition Grounds, Nampally, Hyderabad



DEPARTMENT OF PHYSICS & ELECTRONICS

Organising

ADD ON COURSE

MULTISIM

(Electronic Circuits Simulation)

Duration (Jan-March 2021)

Interested students can contact
Department of Physics & Electronics

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle



Sarojini Naidu Vanita Maha Vidyalaya

(Sponsored & Managed jointly by Osmania Graduates' Association and Exhibition Society)

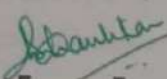
Exhibition Grounds, Nampally, Hyderabad. Ph-0402955676

NAAC Accredited (3rd Cycle)

**IQAC
&**

**Department of
Computer Science
organising a
Online Course on
MICROSOFT OFFICE**

All UG & PG students are
eligible for the course
Batch starts from 3rd March 2021


Principal





SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SYLLABUS

STATISTICS AND DATA ANALYSIS

SUBJECT : PHYSICS

UNIT-1

Statistical Analysis: Mean, Median, Mode, standard deviation, standard deviation of mean, least squares fitting, covariance and correlation, chi square test.

UNIT-2

Data Analysis: Least count of instruments, instruments for measuring mass, length, time, angle, current, voltage. Fundamental units, Precision and accuracy of measurements, source of error in measurements, types of errors, Reading error of instruments, calibration error, random error, systematic error, order of magnitude and rounding of numbers. Rounding error, absolute error and relative error, propagation of errors.

NOTE: Problems should be solved at the end of every unit.

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

Sarojini Naidu Vanita Maha Vidyalaya

Department of Physics & Electronics

Course on MULTISIM

(Syllabus)

SUBJECT: ELECTRONICS

Unit - I

Introduction to simulation, different simulation software's. Advantages and drawbacks of simulation.

Introduction to multisim, familiarisation of software, identifying icons (instruments). Analog and digital components and its values.

Unit - II

Simulation experiments

- [i] Frequency response of RC circuit
- [ii] V-I characteristics of junction diode & zener diode
- [iii] Input and output characteristics of transistor
- [iv] UJT as relaxation oscillator
- [v] Amplitude modulation
- [vi] Frequency modulation



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

[vi] Frequency modulation

Objectives:

- Students can learn the experiments online.
- Experiments can be done virtually before doing in lab .
- Practical errors can be predicted and corrected in the multisim software, and it will be rectified in real lab.

Attendance sheet link:

<https://drive.google.com/file/d/1OidgwUjqZY33G5dvve1ULH3DQ8qyDzfS/view?usp=sharing>

Flyer Link:

https://drive.google.com/file/d/18mTpdIqVXLaiPv4U_8QwCoqHMEz9r1Ha/view?usp=sharing

Syllabus link:

<https://drive.google.com/document/d/1JJDVTu7B-afGM-ZtXjwStN0f791arYiOt/edit?usp=sharing>

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

Report on Short Term Course organized by Department of Computer Science Syllabus

1. Start Date of Program: 03-03-2021
2. End Date of Program: 28-04-2021
3. Faculty Name for the Program: B.Srilaxmi
4. Faculty Mobile Number: 9347328343
5. Faculty Email-id: csdept21@gmail.com
6. Number of Students Registered: 150
7. Number of Students participated: 121
8. Groups: B.Sc (Computers)
9. Mode: Online

Topics Covered:

- i. MS-Windows concepts
- ii. Computer Basics
- iii. Ms-Word
- iv. MS-Excel
- v. MS-Powerpoint
- vi. Internet Concepts
- vii. Emailing

Objectives:

- Microsoft Office is a suite of applications designed to help with productivity and



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

completing common tasks on a computer.

- We can create and edit documents containing text and images, work with data in spreadsheets and databases, and create presentations and posters.
 - To perform complex and repetitive calculations rapidly and accurately..
 - To hold a program of a model which can be explored in many different ways.

- Spice up documents by inserting attention-grabbing graphics.
 - Work from anywhere with Internet access.
- We always need an Internet connection to access up to date files.



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SUMMARY

Department of Physics & Electronics conducted an Add on course titled **Statistics and data analysis**. In online mode from 04-01-2021 to 03-03-2021 (Duration of 30 Hours). Course was offered for free of cost. 30 students registered for the course. After completion of the course, certificates were given to all the students.



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

OUTCOMES

After completion of this course, students

1. Gained knowledge about different types of averages mean, median and mode.
2. Understands standard deviation method, covariance, chi square, and least square distribution and goodness of fit.
3. Able to calculate the least count for various measuring instruments and identify errors in using them.
4. Gain knowledge about different types of errors and how to correct them.

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SAROJINI NAIDU VANITA MAHA VIDYALAYA

Report on Add on Course organised by Department of Physics & Electronics

1. Start Date of Program: JAN-2021
2. End Date of Program: MARCH-2021
3. Faculty Name for the Program: V. SRANVANTHI
4. Faculty Mobile Number: 9440597660
5. Faculty Email id: sravanthi28021986@gmail.com
6. Number of Students participated: 30
7. Groups: B.Sc M.P.C's
8. Mode (Online / Physical in your college): online

Topics Covered:

Chapter -1

Introduction to simulation, different simulation software's. Advantages and drawbacks of simulation.

Chapter -2

Introduction to multisim, familiarisation of software, identifying icons (instruments). Analog and digital components and its values.

Chapter -3

Simulation experiments

- 1. Frequency response of RC circuit
- 2. Characteristics of junction diode & zener diode
- 3. Input and output characteristics of transistor
- 4. Relaxation oscillator
- 5. Amplitude modulation

S. S. S. S.



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

OUTCOMES

After completion of this course, students

1. Gained knowledge about different simulation softwares and their advantages.
2. Able to identify Analog and digital Components and their Values
3. Able to predict practical errors and how to correct them in multi aim Software.

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SUMMARY

Department of Physics & Electronics conducted an Add on course titled **Multisim (Electronic circuits simulation)**. In online mode from 04-01-2021 to 03-03-2021 (Duration of 30 Hours). Course was offered for free of cost. 31 students registered for the course. After completion of the course, certificates were given to all the students.

S. Sankar



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SAROJINI NAIDU VANITA MAHA VIDYALAYA

Add-on Course on MS.Office

Summary Report

Program Outline – Eight Comprehensive Sessions

Session I – MS-Windows concepts

Session II – Computer Basics

Session III – MS-Word

Session IV – MS-Excel

Session V – MS-Powerpoint

Session VI – Internet Concepts

Session VII – Emailing

Notice:

Flyer Link:

<https://drive.google.com/file/d/1eAiMHDfj-AEQLjQD62CEQoofELeEt15L/view?usp=sharing>

Link of Attendance sheet:

<https://docs.google.com/spreadsheets/d/1gqyYdMc5y1tqTDvTrjtbbi9InqHe39yK/e/dit?usp=sharing&oid=117634125951068206670&rtpof=true&sd=true>

Link of Syllabus:

https://docs.google.com/document/d/1lh5_xHl0xeiLTRkJ4qbTvLQlCmp5RoK3/edit?usp=sharing&oid=117634125951068206670&rtpof=true&sd=true



SAROJINI NAIDU VANITA MAHA VIDYALAYA

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY

(Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

NAAC Accredited 3rd Cycle

SAROJINI NAIDU VANITA MAHA VIDYALAYA

Add-on Course on BONJOUR FRANCISE

Summary Report

August 2021, 15 days certificate course Bonjour Française was organized by the department of French for women of all age group from National and International level on virtual platform in collaboration with AIFPRO

