



SES COLLEGE SREEKANDAPURAM

(Accredited by NAAC with 'B' Grade) Affiliated to Kannur University



Criterion 1
Curricular Aspects

1.2 Academic Flexibility

1.2.2 Number of Add on /Certificate programs offered during the last five years

Sl No	Supporting Documents
1	Brochure of add on/certificate course
2	Certificates of add on/certificate course
3	Syllabus of add on/certificate course

SES COLLEGE SREEKANDAPURAM

DEPARTMENT OF MATHEMATICS

AN INTRODUCTION TO LATEX



A short course in latex

2020-21

Organized by Department of mathematics

Department of mathematics S E S College Sreekandapuram Organizes a certificate course An introduction to latex during the academic year 2020-21. Latex is a document preparing system for high quality typesetting . In this course participants will be exposed to the basic element of latex.

We invite you to the programme

“An introduction to latex”

staring on 16/10/2020

COURSE OBJECTIVES

- Typesetting of journal articles, technical report, thesis, book and slide presentation
- Control over large document containing sectioning, cross-references, table and figures.
- Typesetting of complex mathematical formulae.
- Advanced typesetting of mathematics
- Automatic generation of table of contents, bibliographies and indexes .



DEPARTMENT OF MATHEMATICS

S.E.S. COLLEGE, SREEKANDAPURAM

(Affiliated to Kannur University, Accredited NAAC with B Grade) Kannur, Kerala, India. PIN-670631

Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Zeenath P K has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

Head, Department of Mathematics

Dr. Reena Sebastian

Principal

Dr. Dominic Thomas



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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Abhijith HM has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

Head, Department of Mathematics

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Abhiram T Babu has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms AKARSH C H has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekanthapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms AKSHAY K K has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Akshaya T M has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms AMAL NARAYANAN has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms Amal V has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms Anagha T has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Anisha E has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Anjali Binu has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Anupriya V R has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms ARUNIMA T V has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Athulya Saji has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekanthapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Bhavana TK has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms DANIYA ALPHONSA DEVASIA has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Daya Raj M has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms FARHANA K P has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Krishnapriya P B has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms NISHNI C has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Praveen a s has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekanthapuram, Kannur, during the period of october 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms SEETHAL K P has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms SIDHARTH MC has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekanthapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms SREENANDU M P has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate

This is to certify that Mr/Ms Tinto Mathew has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of October 2020 to March 2021.

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Certificate Course on “An introduction to LATEX”

Certificate

This is to certify that Mr/Ms Vishnu cs has successfully completed the certificate course in “**An introduction to LATEX**” by the Department of Mathematics, S.E.S. College, Sreekandapuram, Kannur, during the period of october 2020 to March 2021.

Head, Department of Mathematics

Dr. Reena Sebastian

Principal

Dr. Dominic Thomas

SES COLLEGE SREEKANDAPURAM

Certificate Course in Mathematics(2020-2021)

Name of the paper : An introduction to LATEX

PROGRAMME : The main objective of the course is Typesetting of complex mathematical formulae. LATEX is a document preparation system for high quality typesetting, which is preferably used for technical /scientific papers writing for journals by researchers , engineers and mathematicians at large . The typesetting system offers programmable writing features and extensive facilities for automating most aspects of typesetting.

OBJECTIVE

- Typesetting of journal articles, technical report, thesis, book and slide presentation.
- Control over large document containing sectioning, cross-references, table and figures.
- Typesetting of complex mathematical formulae.
- Advanced typesetting of mathematics.
- Automatic generation of table of contents, bibliographies and indexes .

COURSE STRUCTURE:

TOTAL HOURS	35
Theory	18
Practical	15
Exam	02

SYLLABUS:

Module I

The document- document class , page numbering ,page style

Displayed text- table of content, index , making list, creating bibliographic databases

Module II

Typesetting mathematics – basics, symbols, equations, math mode environment.

Presentation – beamer, figures and the color package.

THE COURSE SUMMARY REPORT (2020-2021)

An introduction to LATEX

- 29 Students are enrolled in the course **An introduction to LATEX**
- All enrolled students that have successfully finished the course **An introduction to LATEX**.
- Students can Type journal articles, technical report, thesis, book and slide presentation using TeX .
- Students can type complex mathematical formulae.
- Students can generate table of contents, bibliographies and indexes in automatic.

DEPARTMENT OF ECONOMICS
SES COLLEGE, SREEKANDAPURAM
INAUGURATION OF ADD-ON COURSE

on 30-07-2020



**Course Name: “BASIC COURSE ON
ENTREPRENEURSHIP DEVELOPMENT”**

**In collaboration with RUDSET
Institute, Thaliparamba 30-07-2020**

Applications are invited from interested students.



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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Aiswarya A** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Arya T Jayan** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Riswana A C** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Sanika Sunny** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Mr. Aswin Prakash** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Afeefa K T** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Certificate

This is to certify that **Ms. Aiswarya P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Anusha P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Certificate

This is to certify that **Ms. Anusree K P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Archana M** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Ashitha M V** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Ayisha K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Fabeena P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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(Dr.Sreekumar.N.M.)

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Fathimath Shifna C** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Helana P V** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with **A-Grade**.

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Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Jeeshma V** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

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DEPARTMENT OF ECONOMICS

S.E.S. COLLEGE, SREEKANDAPURAM

(Affiliated to Kannur University, Accredited NAAC with B Grade)

Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Jincy K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Keerthi P P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Nithyadas P K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Radhika O B** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with **A-Grade**.

Head, Department of Economics
(Dr. Sreekumar.N.M.)

Principal
(Dr. Dominic Thomas)



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S.E.S. COLLEGE, SREEKANDAPURAM

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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Revathy Raveendran** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with **A-Grade**.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Sanika V** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Shabeera P V** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms. Shafeena B** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Sreya P** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Swetha K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Varsha K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Ms.Vyshna Narayanan** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Mr. Abhijith K** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)



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Kannur, Kerala, India. PIN-670631

Add on Course in “Basic Entrepreneurship Development Programme”

Certificate

This is to certify that **Mr.Ajil Shyju** has successfully completed the add on course in “Basic Entrepreneurship Development Programme” by the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, during the period of February 2021 to May 2021 with A-Grade.

Head, Department of Economics
(Dr.Sreekumar.N.M.)

Principal
(Dr.Dominic Thomas)

ADD-ON COURSE - Syllabus

Course Name : Basic Entrepreneurship Development Programme

Parent Department : Economics

Unit – 1 Entrepreneurship - Introduction - Meaning and Importance - Evolution of term
'Entrepreneurship' - Factors influencing entrepreneurship' - Psychological factors - Social factors -
Economic factor - Environmental factors (10 hrs)

Unit – 2 Entrepreneurial Motivation - Motivation - Maslow's theory - Risk taking behaviour (5 hrs)

Unit- 3 Creativity - Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions -
Legal Protection of innovation. (5 hrs)

Unit - 4 Organisation Assistance - Assistance to an entrepreneur - New Ventures - Industrial Park
(Meaning, features, & examples) - Special Economic Zone (Meaning, features & examples) - Financial
assistance by different agencies - MSME Act Small Scale Industries. (10 hrs)



BASIC STATISTICS FOR RESEARCH

**Certificate Course
Offered by
Department of Commerce
S.E.S College, Sreekandapuram**

‘Basic Statistics for Research’ is a certificate course designed by Department of Commerce with a view to equip the students to acquire additional knowledge to complete their project work.

Course Duration : 30 Hours
Course begins : 5 April 2021

Course objectives

1. To learn the statistical Package for the Social Science Research
2. To Apply the statistical Package for the Social Science Research in Project report

Course Coordinator: Mr.Sajeesh T J

Assistant professor and HOD, Department of Commerce

Place: Sreekandapuram

Signature of Head of the Department

Date: 3-4-2021

S.AJEESH.T.J
Asst. Professor & HOD
Dept. of Commerce
S.E.S College, Sreekandapuram



SES COLLEGE SREEKANDAPURAM
Academic Year:2020-2021

Name of Department :Department of Commerce

Name of Certificate Course :Basic Statistics for Research

Course Duration :30 Hours(5-4-2021 to 26-5-2021)

Course Syllabus

Module 1: Basics of SPSS-Data view-Variable View-Data entry in SPSS

Module 2: Measures of central tendency-Mean-Median-Standard Deviation with the help of SPSS

Module 3: Parametric test and Non Parametric test –t test-F test-Chi-Square test Using SPSS.

Module 4:How to interpret the output of SPSS and Report writing

SAJEEESH.T.J
Asst. Professor & HOD
Dept. of Commerce
S.E.S College, Sreekandapuram



DEPARTMENT OF COMMERCE

SES COLLEGE SREEKANDAPURAM

Accredited by NAAC with 'B' Grade, Affiliated to Kannur University



Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Anusree K T has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

Principal





DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Aswanth.p has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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Principal





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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Shafnasheri.k has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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Principal





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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms VISMAYA TK has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Abhinand P has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Abhishek k has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Afseera cp has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
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SREEKANDAPURAM

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DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Gokul AV has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
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Principal





DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms John Varghees has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
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Principal





DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Shahana kn has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

Principal





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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms MUHAMMED SHINAS K P has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Shine Raj has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Sreerag kp has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Vignesh C V has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Ajinesh.c has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Aswanth vv has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Aswathi p p has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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SES COLLEGE SREEKANDAPURAM

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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Neha Thomas has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Sneha.k has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Aparna. C has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Athira N.K has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms KEERTHANA M has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

Principal





DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Rasna Valsan has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

Principal





DEPARTMENT OF COMMERCE

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Add on Course in “ Basic Statistics for Research”

Certificate

This is to certify that Mr/Ms Soorya cv has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

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DEPARTMENT OF COMMERCE

SES COLLEGE SREEKANDAPURAM

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Add on Course in “ Basic Statistics for Research ”

Certificate

This is to certify that Mr/Ms Sreya.M has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

Dr. DOMINIC THOMAS
Principal
S.E.S. COLLEGE
SREEKANDAPURAM

Principal





DEPARTMENT OF COMMERCE

SES COLLEGE SREEKANDAPURAM

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Add on Course in “ Basic Statistics for Research”

Certificate

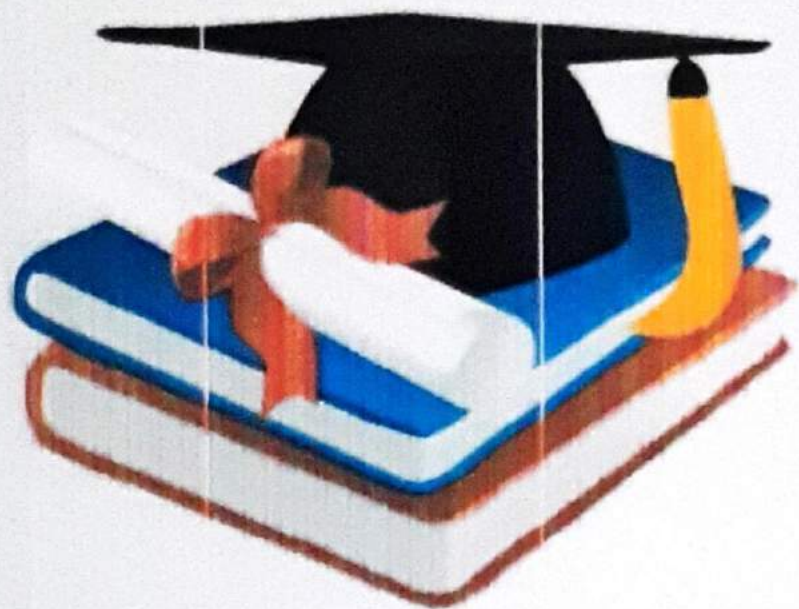
This is to certify that Mr/Ms Swathi Mohanan has successfully completed the add on course in ‘Basic Statistics for Research’ by the Department of Commerce, SES College, Sreekandapuram, Kannur, during the period of 5 April 2021 to 26 May 2021.

Head of the Department

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Principal
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SREEKANDAPURAM

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DEPARTMENT OF ENGLISH
S.E.S COLLEGE, SREEKANIDAPURAM



Certificate Course
ON REVIEW WRITING

to BA ENGLISH Students

Registration started via Google form
Classes commence by October, 2020

Take this as a chance to improve your
Reading, Writing and Appreciation skills.



CERTIFICATE COURSE ON REVIEW WRITING

Provided by Department of English

Course Name	Review Writing
Course Code	CC20. ENGO2
Total Contact Hours	30
Year	2020-21
Semester	Even
Course Co coordinator	Mrs. Shyna Janardhanan

Assessment: Based on the reviews written at the end of the course

Course Objectives:

- Give a foundation to the skills of the students.
- Improve the employability of the students

Course Outline

Module I – Introduction: 5 hrs.

1. Appreciation-Criticism-Definition-Review Writing
2. Purpose-Features-Importance of Review Writing
3. Methodology of review Writing
4. Dos and Don'ts of a review

Module II –Book Review: 10 hrs.

1. Introduction to book review
2. Pre-activities of book review
3. Tips for Reviewing
4. Essential elements of book review
5. Structure of book review
6. Sample reviews.

Module III – Film Review: 10 hrs.

1. Introduction to film review
2. Types of films
3. Tips for film Review
4. Structure of film review
5. Format and process of a film review
6. Sample reviews

Module IV –Assignments-5 hrs.

1. Reviewing of films and books of their choice.
2. Reviewing of films and books from a prescribed list.



Samson Rajan

SAMSON RAJAN
Assistant Professor & Head
Department of English
S.E.S. College
Sreekanthapuram-670631

	16/12/20	17/12/21	18/12/21	20/12/21	21/12/21
	abs	abs	abs	abs	abs
1 Nandana P K	x	x	x	x	x
2 Ashin	x	a	x	x	x
3 Ashritha	x	x	a	x	x
4 Ashritha K K	x	x	x	x	x
5 Anasalla	x	x	x	x	x
6 Anishma	a	x	x	x	x
7 Anyana	x	x	x	x	a
8 Devika	x	x	x	x	x
9 Dasha	x	x	x	x	a
10 Gopika	x	a	x	x	a
11 Harsha	x	x	a	x	x
12 Sourav	x	x	x	x	x
13 Pooja	x	x	x	x	x
14 Thagus Mohanan	x	a	x	x	x
15 Thomas Nirmaal	x	x	x	x	x
16 Anasalla Anusree	x	x	x	x	x
17 Akshaya V V	x	x	x	x	a

	22/12/21	23/12/21	24/12/21	25/12/21	26/12/21	27/12/21	28/12/21	29/12/21	30/12/21	31/12/21	1/1/22	2/1/22	3/1/22	4/1/22	5/1/22	6/1/22	7/1/22	8/1/22	9/1/22	10/1/22	
	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs	
1	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
13	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Samson Rajan
SAMSON RAJAN
 Assistant Professor & Head
 Department of English
 S.E.S. College
 Sreekanthapuram-700371

Date : 04/01/21

Duration : 2 hr

Topic :

Introduction to Review Writing

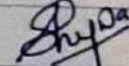

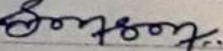
Learning Outcome :

a) Students will be able to ~~familiarise~~ state the definition of Review Writing and get familiarise with the term.

b) Students will get an idea of how to appreciate and criticise a work.

c) Students get an idea of the scope of review writing.

d) able to know more about the employability opportunity of review writing.

Signature of Course Co-ordinator : Signature of resource person : Signature of HOD : 



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Department of English

REVIEW WRITING

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This is to certify that *Mr/Ms* NANDANA P.K student
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Samson Rajan

SAMSON RAJAN
Assistant Professor & Head
Department of English
S. E. S. College
Sreekanthapuram-670631
HOD.



Bmish

Principal



S.E.S. COLLEGE SREEKANANDAPURAM

Department of English

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Assistant Professor & Head
Department of English
S.E.S. College
Sreekanthapuram-670631
HOD.



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REVIEW WRITING

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This is to certify that *Mr/Ms* Ashin. P *student*
of English *Department has successfully completed*
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Sampath

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Rajish
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Saravani

SARAVANI RAJAN
Assistant Professor & Head
Department of English
S.E.S. College
Sreekanthapuram-5/06031



Ravi
Principal



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This is to certify that Mr Ms Arshitha. K. K student
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Deputy

SAMSON RAJAN
Assistant Prof. for & Head
Department of English,
S.E.S. College
Sreekanthapuram-670831



Rishi
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Saimson

SAIMSON RAJAN
Assistant Professor & Head
Department of English
S.E.S. College
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HoD



Principal

Bhish



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Assistant Professor & Head
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Certificate

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Department of English,
S. E. S. College
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Saxena

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Assistant Professor & Head
Department of English
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Support.

SAMSON RAJAN
Assistant Professor & Head
Department of English
S. E. S. College
HoD, Veekanandapuram-670631



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the 30 hours certificate course in 'Review Writing' provided by the Department
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Sarbojan

HoD,

SAMSON RAJAN
Assistant Professor & Head
Department of English
S.E.S. College
Sreekanndapuram-670631



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Rishi



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This is to certify that *Mr/Ms* *Souval T.P* student
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Samsan R. Jan

SAMSON RAJAN
Assistant Professor & Head
Department of English
S. E. S. College
Sreekanthapuram-670631



Souval T.P
Principal



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Certificate

This is to certify that *Mr/Ms* Pooja A student
of English Department has successfully completed
the 30 hours certificate course in 'Review Writing' provided by the Department
of English S. E. S. College Sreekanthapuram

Signature

SAMSON RAJAN
Assistant Professor & Head
Department of English
S.E.S. College
HoD, Sreekanthapuram: 570031



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Principal



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REVIEW WRITING

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This is to certify that *Mr/Ms Thejas Noharan* student
of *English* Department has successfully completed
the 30 hours certificate course in 'Review Writing' provided by the Department
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Signature

SAMSON RAJAN
Assistant Professor & Head
Department of English
HoD. S.E.S. College
Sreekanandapuram-570631



Signature
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of *English* Department has successfully completed
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Saravanan



Saravanan
Principal

SAMSON RAJAN
Assistant Professor & Head
Department of English
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H.O.D.



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REVIEW WRITING

Certificate

This is to certify that *Mr/Ms Anasua A* student
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Assistant Professor & Head
Department of English
S. E. S. College
Sreekanthapuram: 57/0631

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Rmish



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SARASWATI RAJAN
Assistant Professor & Head
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**LENSES
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Certificate

This is to certify that Mr/Ms *Ashishhek P.*

student of *Ummar's Asha* *Arad* *Journalism* Department has successfully completed the 30 hours certificate course 'PHOTOGRAPHY FOR BEGINNERS' offered by the Department of Communication and Journalism at S.E.S. College Sreekanthapuram, Kannur, during the academic year 2020-21 with *A* Grade.

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This is to certify that Mr/Ms *Anga R.*
student of *Communs cadric and Journalism* Department has successfully
completed the 30 hours certificate course 'PHOTOGRAPHY FOR BEGINNERS' offered by the
Department of Communication and Journalism at S.E.S. College Sreekandapuram, Kannur, during the
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student of *Communi. Sec. 1st and Journalism* Department has successfully
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This is to certify that Mr/Ms *Uyayalshi Pradeep*
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student of *Commons Cadre and Journalism*..... Department has successfully
completed the 30 hours certificate course 'PHOTOGRAPHY FOR BEGINNERS' offered by the
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This is to certify that Mr/Ms *Shanika E.K.*
student of *Esmeralda* and *Jayashree* Department has successfully
completed the 30 hours certificate course 'PHOTOGRAPHY FOR BEGINNERS' offered by the
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student of *Commons class and Journalism* Department has successfully
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[Signature]
HEAD



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Certificate

This is to certify that Mr/Ms *Sahana P. P.*

student of *Communication and Journalism* Department has successfully completed the 30 hours certificate course 'PHOTOGRAPHY FOR BEGINNERS' offered by the Department of Communication and Journalism at S.E.S. College Sreekandapuram, Kannur, during the academic year 2020-21 with ..*A*.. Grade.

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student of *Communication and Journalism* Department has successfully
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Module I

A preface to photography; Evolution and history, The Aesthetics in Photography

Module II

The Basics of Camera, Types of Camera, DSLR Photographic Lenses for Beginners

Module III

The Basic Rules frame composition, Controlling Depth of Field

Module IV

Painting with Light, Exposure Control, ISO, Aperture and Shutter Speed

Module V

Photo Editing, Basics of Photoshop



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of

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has successfully completed ONLINE CERTIFICATE COURSE on

“Basics of Analytical techniques”

from *1 January - 31 March, 2021* and obtained

Grade A+.

Course Co-ordinator

Salija P V

HOD, Chemistry

Saumya Maria Jacob



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Salija P V

HOD, Chemistry
Saumya Maria Jacob



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of

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Grade A+.

Course Co-ordinator

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HOD, Chemistry

Saumya Maria Jacob



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Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

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Course Co-ordinator

Salija P V

HOD, Chemistry

Saumya Maria Jacob



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Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

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Grade A+.

Course Co-ordinator
Salija P V

HOD, Chemistry
Saumya Maria Jacob



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DEPARTMENT OF CHEMISTRY

**BASICS OF ANALYTICAL TECHNIQUE
TECHNIQUE**

A certificate course in basics of

Analytical technique 2020-2021

Organized by department of

Chemistry SES College Sreekadapuram.

Venue

College campus

Department of Chemistry SES College

Sreekandapuram organizes a certificate

Course **BASICS OF ANALYTICAL
TECHNIQUE**

during the academic year 2020-21. In this

course participants could understand

various analytical technique

We invite you to the programme basics of

Analytical technique on **01/01/2020**

CERTIFICATE COURSE IN BASICS OF ANALYTICAL TECHNIQUES -2020

Total Hours: 30

The objectives of the course are :

- 1.To equip students about handling the important instruments and interpret the results.
- 2.To familiarise with various analytical techniques and its application.

MODULE I: LABORATORY OPERATIONS (15 Hrs)

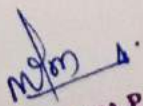
- ❖ Single pan analytical balance: (operation and theory of the balance, construction details, errors in weighing, care of an analytical balance).
- ❖ Description and use of common laboratory apparatus: Volumetric flasks, burettes, pipettes, meniscus readers, weighing bottles, different types of funnels chromatographic columns, chromatographic jars, desiccators, drying ovens, filter crucibles, rubber policeman. Calibration and use of volumetric glass ware.

MODULE II (15 Hrs)

Principle, instrumentation and application : Conductometer, Potentiometer, Refractometer, PH Meter, UV, IR & Colorimeter, NMR, MS, Rotational, Vibrational, Raman, ESR. **Separation Methods,** Chromatography : paper chromatography, thin layer chromatography, column chromatography, Solvent extraction: Soxhlet extraction .

The Expected outcomes of the course are:

- ❖ The student got practical skills in managing and interpreting conductivity bridge, potentiometry, refractometry, etc.
- ❖ They also were acquainted with practical knowledge of various spectroscopic techniques such as UV-Visible and IR. Which enhanced their awareness modern scientific technology.


SALIJA P.V.
Assistant Professor
Department of Chemistry
S.E.S College
Sreekandapuram-670631

THE COURSE SUMMARY REPORT(2020-2021)

Basics of Analytical techniques

- 26 students are enrolled in the course of Basics of analytical techniques.
- All enrolled students that have successfully finished the course Basics of analytical techniques.
- The student got practical skills in managing and interpreting conductivity bridge, potentiometry, refractometry, etc.
- They also were acquainted with practical knowledge of various spectroscopic techniques such as UV-Visible and IR. Which enhanced their awareness modern scientific technology.



SALUJA P.V.
Assistant Professor
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SES COLLEGE SREEKANDAPURAM



DEPARTMENT OF CHEMISTRY

Offers Online Certificate Course on

Digital Aids for Undergraduate Chemistry Students

01 JULY - 31 SEPTEMBER 2020 - (Total 30 hours only)



Faculty in charge: Mrs.Saumya Maria Jacob
HOD,Chemistry

Expected learning outcomes

- To introduce the art of communication and presentation in online mode
- To enable the students to make standard soft copy documents.
- To introduce the online meeting platforms.
- To introduce the e-learning platforms.
- To introduce the ways to do a systematic review.
- To learn the referencing techniques .
- To familiarize some of the simple softwares for a chemist.

Grading

Theory exam – 20 marks

Assignments/Presentation

Certificate Course in Chemistry (2020-2021)

Name of the paper : Digital Aids for Undergraduate Chemistry Students

Traditional learning as we know it has evolved. Gone are the days when students need to travel to a physical location to learn. With the increase of mobile devices and broadband Internet services, learning can take place anywhere at any time. Effective Digital Learning is here to help you make the paradigm shift with ease. The main objective of the course is to introduce the digital aids for undergraduate chemistry students and to introduce the ways to do a systematic literature review. It also aims at introducing some software for chemists.

OBJECTIVES

- To introduce the art of communication and presentation in online mode
- To enable the students to make standard soft copy documents.
- To introduce the online meeting platforms.
- To introduce the e-learning platforms.
- To introduce the ways to do a systematic review.
- To learn the referencing techniques .
- To familiarize some of the simple softwares for a chemist.

Grading : Students will have a final theory exam for 20 marks and have to submit an assignment/presentation .

SYLLABUS

Unit 1: Basics of computer literacy (12 hrs)

Use of Microsoft word, PowerPoint and excel for making documents, Photoshop and an introduction to google apps-Get more done with a single, connected experience, Google docs and its uses, Google sheets and its uses, Google slides and its uses.

Unit 2: Online tools for digital learning (2 hrs)

Google meet and zoom, Google classroom and Moodle. Google drive and link sharing

Unit 3:E-learning (3 hrs)

NPTEL,E-PG Pathshala, Swayam, YouTube and its playlists

Unit 4: How to do a systematic review (8 hrs)

Google scholar ,Connected papers, Scholarcy. Google scholar and manual referencing

Unit 5: Referencing tools (3 hrs)

Zotero, Mendeley, End note

Unit 6: Chemistry softwares (4 hrs)

Chemdraw, Chemcraft, Gaussian.

References

1. Mercurio, Ralph, and Brian Merrill. "Beginning Microsoft 365 Collaboration Apps." Sousa, Maria José, and Álvaro Rocha. "Digital learning: Developing skills for digital transformation of organizations." *Future Generation Computer Systems* 91 (2019): 327-334.
2. Al-Emran, Mostafa, and Sohail Iqbal Malik. "The impact of google apps at work: Higher educational perspective." *Int. J. Interact. Mob. Technol.* 10.4 (2016): 85-88.
3. Oishi, Lindsay. "Working Together: Google Apps Goes to School." *Technology & Learning* 27.9 (2007): 46.
4. <https://support.microsoft.com/en-us/training>
5. <https://meet.google.com/>
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7. https://www.google.com/intl/en_in/drive/
8. <https://nptel.ac.in/>
9. <https://swayam.gov.in/>
10. <https://epgp.inflibnet.ac.in/>
11. <https://www.youtube.com/>
12. <https://scholar.google.com/>
13. <https://www.connectedpapers.com/>
14. <https://www.scholarcy.com/>
15. <https://www.zotero.org/>
16. <https://www.mendeley.com/download-reference-manager>
17. <https://endnote.com/>
18. <https://perkinelmerinformatics.com/products/research/chemdraw/>
19. <https://www.chemcraftprog.com/>
20. <https://gaussian.com/>



Saumya Maria Jacob
Head, Department of Chemistry
Faculty in-charge



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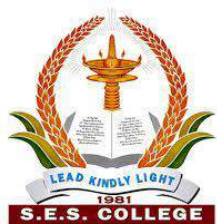
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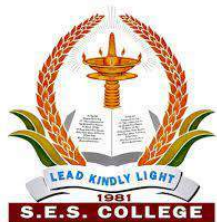
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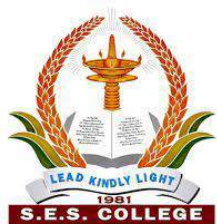
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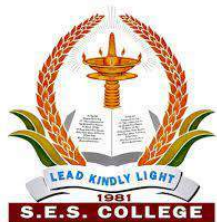
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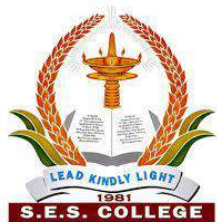
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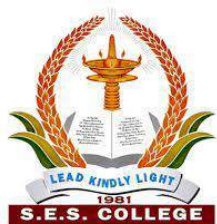
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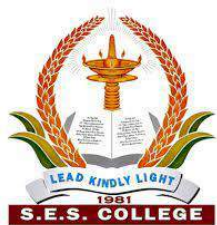
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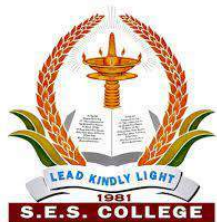
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SREEKANDAPURAM**



This is to certify that

RISWANA U

of

Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

has successfully completed ONLINE CERTIFICATE COURSE on

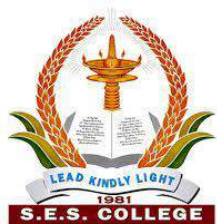
“Digital Aids for Undergraduate Chemistry Students”

from *1 July - 31 September, 2020* and obtained

Grade A+.

Course Co-ordinator
Saumya Maria Jacob

HOD, Chemistry
Saumya Maria Jacob



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SES COLLEGE
SREEKANDAPURAM**



This is to certify that

SWETHA T V

of

Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

has successfully completed ONLINE CERTIFICATE COURSE on

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Course Co-ordinator
Saumya Maria Jacob

HOD, Chemistry
Saumya Maria Jacob



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SES COLLEGE
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This is to certify that

AKASH K V

of

Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

has successfully completed ONLINE CERTIFICATE COURSE on

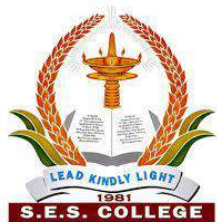
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Course Co-ordinator
Saumya Maria Jacob

HOD, Chemistry
Saumya Maria Jacob



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SES COLLEGE
SREEKANDAPURAM**



This is to certify that

MUHAMMED MUSTHAFA P C

of

Department of Chemistry, S E S COLLEGE, SREEKANDAPURAM

has successfully completed ONLINE CERTIFICATE COURSE on

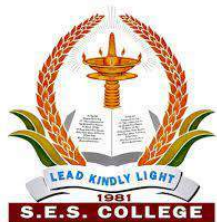
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Course Co-ordinator
Saumya Maria Jacob

HOD, Chemistry
Saumya Maria Jacob



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Course Co-ordinator
Saumya Maria Jacob

HOD, Chemistry
Saumya Maria Jacob

THE COURSE SUMMARY REPORT (2020-2021)

“Digital Aids for Undergraduate Chemistry Students”

- 26 Students are enrolled in the course.
- Able to learn the basic computer skills for a UG student.
- All enrolled students that have successfully finished the course and passed the exam.
- Students found the course interesting and useful for their curriculum.



Saumya Maria Jacob

Head, Department of Chemistry

Faculty in-charge