



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2019 -2020) EVEN SEM

REPORT

ON

FACULTY DEVELOPMENT PROGRAMME

(SPOKEN TUTORIAL WORKSHOP ON LATEX & e-SIM)

(29-04-2020 & 04-05-2020)





**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2019-2020 (EVEN SEM)**

05-04-2020

From

Mrs.D.Vennila, AP,
Department of ECE,
Kings College of Engineering,
Punalkulam.

To

The Principal
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission to conduct FDP for ECE Faculty members - reg.

As a part of our IQAC activities, it was planned to conduct Faculty Development Programme for all our ECE department faculty members in the title of Spoken Tutorial workshop on Latex & e-SIM. In this regard I request your kind permission during the last week of April and first week of May.

Thanking you

Yours faithfully,

IQAC Member



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2019-2020 (EVEN SEM)**

IIT Bombay Spoken Tutorial Workshop on – LATEX

CIRCULAR

23.04.2020

All the faculty members of ECE are requested to attend the FDP in IIT Bombay spoken tutorial workshop in the title of “LATEX” arranged by the IQAC of our Institution on 29-04-2020 (Wednesday).

Objective of the Workshop:

To have a knowledge on 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.

Department IQAC Member

HOD/ECE



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2019-2020 (EVEN SEM)**

IIT Bombay Spoken Tutorial Workshop on – “e-SIM”

CIRCULAR

02.05.2020

All the faculty members of ECE are requested to attend the FDP in IIT Bombay spoken tutorial workshop in the title of “**e-sim**” arranged by the IQAC of our Institution on 04-05-2020 (Monday).

Objective of the Workshop:

This workshop will help participants to develop ease of use as any equivalent proprietary software for schematic creation, simulation and PCB design, without having to pay a huge amount of money to procure licenses. The main focus of the course is on imparting the importance of using such tools and as well making the participants familiar with industry grade problems and solutions in engineering.

Department IQAC Member

HOD/ECE



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2019-2020) EVEN SEM**

REPORT ON SPOKEN TUTORIAL WORKSHOP – LATEX & e-Sim

Overview of the IIT-Bombay Spoken Tutorial Workshop:

The Spoken Tutorial project is being developed by IIT Bombay for MHRD, Government of India. This is the initiative of the ‘Talk to a Teacher’ activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.

The main objective of this Spoken Tutorial workshop is to improve the employment potential of our students by teaching them IT skills. There are about 630 original spoken tutorials, created in English. Spoken Tutorials cover many useful IT topics, such as Basic IT Literacy, Tux Typing, KTurtle, C, C++, Java, PHP, Linux, Scilab, Python, OpenFOAM, PERL, Ruby, LibreOffice, Blender, GeoGebra, Jmol, GChemPaint and Inkscape.

These videos are dubbed into all 22 Indian languages. In each of the following languages, we have more than 100 tutorials: Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Nepali, Punjabi, Sanskrit, Tamil, Telugu and urdu. Including the dubbed tutorials, there is a total of 4200 videos.

Spoken Tutorials can be downloaded free of cost from the website, <http://spoken-tutorial.org>.

About the Workshop - LATEX:

In KCE, department of Electronics and Communication Engineering, has organized a Spoken Tutorial Workshop for ECE faculty members in online mode on 29-04-2020. Totally 16 staff members have enthusiastically participated in this Workshop.

As a part of our IQAC activities, we have conducted the spoken tutorial workshop in the topic of **LATEX**.

This workshop aims to provide a comprehensive theoretical and hands on practical experience on LaTeX to the beginners.

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 .

Some useful features of LaTeX are:

- ✓ Typesetting of journal articles, technical reports, thesis, books, and slide presentations.
- ✓ Control over large documents containing sectioning, cross-references, tables and figures.
- ✓ Typesetting of complex mathematical formulae.
- ✓ Advanced typesetting of mathematics with AMS-LaTeX.
- ✓ Automatic generation of table of contents, bibliographies and indexes.



The staff members enthusiastically attending the workshop on LATEX.

After attending the workshop the staff members had an idea about this **LATEX**. More videos on **LATEX** were given as softcopy to the staff members to prepare themselves and to attend the online Exam.

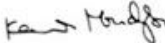


Certificate of Participation

This is to certify that **SHANTHI T** participated in the **LaTeX** training organized at **Kings College Of Engineering** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **LaTeX** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

March 2nd 2020


Prof. Kannan M Moudgalya
IIT Bombay

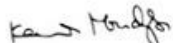


Certificate of Participation

This is to certify that **PASUPATHI T** participated in the **LaTeX** training organized at **Kings College Of Engineering** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **LaTeX** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

March 2nd 2020


Prof. Kannan M Moudgalya
IIT Bombay

The sample certificates.

About the Workshop - e-SIM:

In KCE, department of Electronics and Communication Engineering, has organized a Spoken Tutorial Workshop for ECE faculty members in online mode on 04-05-2020. Totally 16 staff members have enthusiastically participated in this Workshop.

As a part of our IQAC activities, we have conducted the spoken tutorial workshop in the topic of **e-SIM**.

Overview of e-SIM:

eSim (previously known as OScad / FreeEDA) is an open source EDA tool for circuit design, simulation, analysis and PCB design. It is an integrated tool built using open source software such as KiCad (<http://www.kicad-pcb.org>) and Ngspice (<http://ngspice.sourceforge.net/>). eSim is released under GPL.

eSim offers similar capabilities and ease of use as any equivalent proprietary software for schematic creation, simulation and PCB design, without having to pay a huge amount of money to procure licenses.

Hence it can be an affordable alternative to educational institutions and SMEs. It can serve as an alternative to commercially available/ licensed software tools like OrCAD, Xpedition and HSPICE.



The staff members enthusiastically attending the workshop.

After attending the workshop the staff members had an idea about this **e-Sim**. More videos on **e-Sim** were given as softcopy to the staff members to prepare themselves and to attend the online Exam.



The sample certificates.