

LaTeX-One Week -IIT B Spoken Tutorial FDP

Date : February 22nd to 28th, 2021

 **CHRIST
ACADEMY**
INSTITUTE FOR ADVANCED STUDIES

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

ORGANIZES

ONE WEEK FACULTY DEVELOPMENT PROGRAMME

LaTeX

22nd to 28th February 2021

IN ASSOCIATION WITH



IIT BOMBAY, SPOKEN TUTORIAL

Report:



Christ Academy Institute for Advanced Studies, Department of Computer Science and Applications organized a **One-Week Online FDP on “LaTeX”** in association with **IIT Bombay** (Spoken Tutorial) from **22-February 2021 to 28-February 2021**. The purpose of this FDP is to acquaint all university / college faculty members and research scholars with the “LaTeX” environment, introduce methods to create typesetting for scientific and mathematical research papers as well as other documentation such as thesis, presentations, notes, book chapters, etc. We invited the academic community across the nation to participate in this virtual learning to understand and gain knowledge about LaTeX software. The report of FDP as follows:

1. Registration of FDP started Date: 04-02-2021 and Last Date for registration: 21-02-2021
2. The Brochure along with Registration link sent to all participants in various Arts and Science and Engineering Colleges throughout the nation.
3. Registration Fee of Rs 700/- is collected from External Participants where in-house faculties it is offered for free of cost
4. The Total Number of Registrations: 53.
5. Materials on LaTeX and Instructions about FDP communicated through mails to all registered faculty members.
6. Answered all the queries received from participants every day.
7. The FDP date from: 22-02-2021 to 28-02-2021.
8. Master Batch of participants Batch1. csv file was upload to the IITB-ST website.
9. The first LaTeX exam was conducted online by IIT-B Spoken Tutorial on 28th February 2021 Sunday. The invigilator for the test was Ms Jithy Lijo and re-test was conducted for participants who could not attend the test and those who could not clear the test in the first attempt on 20/3/2021. Totally 35 participants cleared the test.
10. e-Certificate has been provided by IIT Bombay to all the participants who took up the exam with a minimum pass criteria of 40%.

IOT Trends, Security Challenges and Solutions



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Date: 22 Jan 2021



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Organizes

INTERNATIONAL WEBINAR ON

“IoT Trends, Security Challenges and Solutions”

22nd January 2021, 10:45 AM (IST)

Session 1	Session 2	Session 3
11.00 AM TO 11.45 AM (IST)	12.00 PM To 12.45 PM (IST)	1.30 PM TO 2.15 PM (IST)
		
Dr. B. Sundaravadivazhagan Professor University of Technology and Applied Sciences Al-Musanna, Mulladdah, Sultanate of OMAN	Dr. Hanumanthappa M Professor Bangalore University, INDIA	Dr. Zdzisław Pólkowski Professor Jan Wyżykowski University, POLAND, EUROPEAN UNION

Moderator



Dr. Benjamin
Assistant Professor, CAIAS

Inaugural and Welcome Address

10.45 AM TO 11.00 AM (IST)

Valedictory

2.30 PM TO 2.45 PM (IST)

Registration Fee
INR. 100



SCAN QR CODE TO PAY

Google Pay No: +91 99649 36679

Registration Form Link: <https://forms.gle/r8TyU2LyDzdLgAbe9>

Google Meet Link : <https://meet.google.com/ysx-irou-qhx>



Dr. Fr. Babu Paul CMI
Principal, CAIAS



Fr. Antony Davis CMI
Vice Principal, CAIAS



Dr. Sangeetha Govinda
HOD, CAIAS

For More Details Contact: Mr. Ramesh: +91 99649 36679, Ms. Sabarmathi G: +91 99003 94470

Report of Session1:



The webinar organized by the Department of Computer Science and Applications began at 10.45 am on 22nd of Jan 2021. It began by welcoming of all the Keynote Speakers and participants followed by Inaugural Address by Dr. Fr Babu Paul which later followed by the warm welcoming of the 1st session Keynote speaker Dr. B. Sundaravadivazhagan, Professor, Department of Information Technology of University of Technology and Applied Science, Al Mussanah, Sultanate of Oman. Dr. B. Sundaravadivazhagan then took over the session and introduced IOT Trends, Security Challenges and Solutions to the participants in a elaborate and eloquent manner. It included the real time applications of IoT works with the demonstration of an IoT simulation model for the automation of the fan to the participants. Through his webinar, Dr. B. Sundaravadivazhagan gave an inclusive in-depth of the IoT Industrial application. Diverse Threats, Vulnerabilities of IoT were discussed w.r.t the applications which included the sniffing, spoofing attacks leading to denial of services of IoT's. He emphasized on the Authentication principles, counter methods to safeguard and IoT mechanisms. He used few simulation models to demonstrate the concepts throughout and so enlivened the session. This was followed by a very interactive question answer session. Finally, Dr. B. Sundaravadivazhagan was thanked for an enlightening session and the session was brought to a close.

Report of Session1The webinar organized by the Department of Computer Science and Applications began the 2nd session at 12.00 pm on 22nd of Jan 2021. It began by welcoming the Keynote Speaker 2, Dr M Hanumanthappa Professor, Department of Computer Science and Applications, Director ISA, IQAC, Bangalore University, and the participants. Dr M Hanumanthappa then took over the session and introduced IOT Trends, Security Challenges and Solutions to the participants in a comprehensive and detailed manner. It included how IoT works, Knowledge Management-From Data to Wisdom, Future of IoT, Potential of IoT and Technological challenge of IoT. Internet of Things (IoT) is an upcoming automation of human life. Through his webinar, Dr M Hanumanthappa gave a comprehensive in-depth of the RFID. Diverse Applications in the field of home consumer, transport mobility, health body, building infrastructure and cities industry was explained to the participants. He emphasized how much more IoT can do is only left to our imagination. He used a number of real time examples to demonstrate the concepts throughout and so enlivened the session. This was followed by a very interactive question answer session. Finally, Dr M Hanumanthappa was thanked for an enlightening session and the session was brought to a close.



Report for Keynote Speaker 3

The webinar organized by the Department of Computer Science and Applications began the 3rd session at 01.30 pm on 22nd of Jan 2021. It began by welcoming the Keynote Speaker 3, Dr. Zdzislaw Polkowski, Professor of UJW at Faculty of Technical Sciences, Jan Wyzykowski University Polkowice, Poland, and the participants. Dr. Zdzislaw Polkowski then took over the session and introduced education universities at Poland and its working to the participants in a comprehensive and detailed manner. It included how the universities work at Poland and the the nature of the educational system in perspective of knowledge gaining of the subjects to the students. He also spoke about how business automation IoT is an upcoming automation of education universities. Through his webinar, Dr. Zdzislaw Polkowski gave a view of collaboration between India and Poland University in an eloquent manner to the participants. He highlighted his collaborative works which he conducted with the Indian universities by visiting several times to India. He shared his interest of continuing the collaborative work with Indian universities and so invigorated the session. This was followed by a very interactive question answer session. Finally, Dr. Zdzislaw Polkowski was thanked for an enlightening session and the session was brought to a close.



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National-Level Student Symposium PARAAMARSH 2020

Date: 5th JUNE, 2020

CHRIST ACADEMY
INSTITUTE FOR ADVANCED STUDIES

PARAAMARSH
2020

A ONE-DAY VIRTUAL NATIONAL LEVEL
STUDENT SYMPOSIUM

In association with

NO REGISTRATION FEE

Eco - Watch

Centre for Environment
& Sustainable Development,
Bengaluru

CHIEF GUEST
Mr. Akshay Heblikar
Director (Projects) - ECO-WATCH
Member, Biodiversity Management
Committee (BBMP)
(KINSHIP Fellow, USA)

Please register on the link
[HTTPS://FORMS.GLE/IGSBEKN27ITE9XHA6](https://forms.gle/IGSBEKN27ITE9XHA6)
After which the G meet Link will be sent to you
one day in advance

For more details:
Help line: Mr. Nidhish: 81059 00892
Ms. Neha: 88660 05914

June 5, 2020
10:00 AM

Report:

The national-level student symposium Paraamarsh 2020 was organized on 5th June, 2020 as a virtual event on Google Meet. The theme of the symposium was 'Building Ecological Civilization (ECZ) for Sustainable Development: Prospects and Challenges'. Fitting the theme, it was held on World Environment Day. The inaugural ceremony began at 10 am and included an opening address by the Director of Christ Academy Institute for Advanced Studies Rev. Fr. Antony Pottokaran CMI. This was followed by the release of the Book of Proceedings for the symposium and an enlightening key note speech by the Chief Guest Mr. Akshay Heblikar, Director, ECO-WATCH. The symposium was divided into six tracks that were



hosted simultaneously to facilitate the presentation of research papers on a varied spectrum tackling the issues of sustainable development. The tracks were Commerce & Management, Computer Science, English & Journalism, General, Psychology and Science. At 11.30 am, each track commenced its programme with the welcoming of the esteemed session chairs. Next, students from all over the country presented their original research on the theme of the symposium, making use of a variety of approaches. They attempted to formulate the challenges of sustainable development from technological, systemic and personal perspectives as well as the solutions to be found in them. Each paper presentation was followed by vigorous and enthusiastic discussion of not only its implications but also the quality of the research itself. A total of 42 papers were presented by 68 researchers across all tracks.

Objectives:

The theme of Paraamrsh 2020 was 'Building Ecological Civilization (ECZ) for Sustainable Development: Prospects and Challenges'. Sustainable Development is a challenge that becomes exceedingly urgent with every day that goes by. Thus, the student symposium gave the budding researchers of tomorrow a chance to contemplate and tackle this vital question. The inaugural ceremony included an address by the Chief Guest Mr Akshay Heblikar who is well acquainted with the practical challenges of attempting development that is sustainable. He emphasized the difficulties in balancing economic and environmental goals and highlighted the various local, home-grown solutions to such challenges. The speech was stimulating and informative. The following paper presentation in the individual tracks offered a broad variety of approaches to understand and resolve the problems associated with sustainable and inclusive development, as well as exciting areas of innovation. Each individual track – Commerce & Management, Computer Science, English & Journalism, General, Psychology and Science – was chaired by national or international experts in their field. As such, their appreciation and criticism of the various papers presented by the aspiring researchers gave the latter a deeper understanding of their research area. Even more importantly, it helped them understand the *how* of research – the positives and negatives in their conceptualization, approach, methodology and execution as they went about answering a particular research question. The virtual environment gave the freedom for participants to explore areas of interest outside their primary subject. While most would normally be restricted to attending only a single track, it was seen that a number of participants also chose to interact with adjacent tracks and thus, broaden their knowledge.

Topics discussed:

A national level virtual student symposium on the theme 'Building Ecological Civilization (ECZ) for Sustainable Development: Prospects and Challenges' organized with the aim of offering a unique platform for students in the nascent stages of their careers as researchers to showcase their efforts in front of an appreciative and discerning audience.



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Three-day National Level Workshop on “ML using Python in Data Analytics – A way forward

Date: 07/02/2020 to 09/02/2020

The poster features the Christ Academy logo at the top. Below it, the text reads: 'Department of Computer Science & Applications Organizes A Three-day NATIONAL LEVEL WORKSHOP on "ML USING PYTHON IN DATA ANALYTICS - A WAY FORWARD"'. A circular portrait of Mr. Rohit Ravinder is shown, with his name and title 'Associate Vice President Training Rooman Technologies' below. At the bottom, the venue '1st Floor, Seminar Hall', time '9.30 to 4.30 p.m.', and date '7-9 February 2020' are listed.





Report :

The Computer Science and Applications Department of Christ Academy Institute of Advanced Studies organized A Three-day National Level Workshop on “ML using Python in Data Analytics – A way forward” on 7th February 2020. The resource person for the event was Mr. Rohit Ravinder, Associate Vice President, Rooman Technologies, Bangalore.

The inaugural function commenced with prayer song and lighting of the lamp by the dignitaries. After that welcome address was delivered by Ms. Jithy Lijo, Assistant Professor, Department of Computer Science and Applications followed by the introduction of the guests and their felicitation.

Dr. Sangeetha Govind, Convener, FDP gave a brief insight about the topic “ML using Python in Data Analytics – A way forward”.

Fr Antony, Director, CAIAS addressed the gathering and he mentioned the importance of faculties upgrading their technical skills to cope up with the industry requirements he also appreciated Mr Rohit Ravinder for his continuous support. The formal inaugural function came to an end by 11:00 AM.

The technical session started with the introduction of the workshop by Mr. Rohit Ravinder the resource person from Rooman Technologies, explained about the need of Machine Learning and its usage in Data science. After the lunch break by 2 ‘o’clock the session resumed in which the resource person explained in detail about the Machine learning models.

In the second day he gave the insight to python for data science and brief explanation on statistics and probability. Post the lunch the session resumed in which he discussed on Linear Regression with detailed explanation along with the case studies

In the third day he started with Logistic regression and its case studies. Later he discussed on EDA and visualization with real time case studies. He also explained the job opportunities in the field machine learning where all can get equipped for the new job requirements.

The program concluded with the valedictory session where two faculties voluntarily gave feedback about the FDP program and they said it was a very informative and very well-organized program. Later the certificates were distributed to participants and finally the vote of thanks was proposed by Ms. Sabarmati Assistant Professor, Department of Computer Science and Applications



In-House Faculty Hands-on-Session

Date : 05th March 2021

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Organizes

Hands-on Session

On

Tally ERP9

05.03.2021, 10:50 AM to 12:15 PM

Audience: III BCA Students

In House Faculty
Dr. Upendra Wagle
Assistant Professor
Department of Commerce
CAIAS
Bangalore-083

Report:

“Tally ERP-9” Hands-on-Session was held on 5th March 2021 by Dr. Upendra Wagle, Assistant Professor, Department of Commerce for III BCA students. The session started with an introduction about Tally ERP-9, followed by brief explanation on the basic concepts of Tally ERP-9. A detailed explanation was given on how to create a company in tally, how to create ledgers, how make single, multiple ledgers and how to choose an account under which they fall. The different voucher creation was explained in detail w.r.t the example considered. The speaker also shared few shortcut keys involved in tally ERP-9 for choosing a different element of gate of tally directly.