STTP – Econometrics phase II

IPS Academy
Institute of Business Management & Research, Indore
is Organizing
AICTE Sponsored Online Short Term Training Program (STTP)
on
ECONOMETRICS

Venue: Virtual Platform- ZOOM, Duration - 6 Days

THERE IS NO REGISTRATION FEES

IBMR IPSA in Top 100 Management Institutes of India since 2017... Rank Band (76-100) in 2020

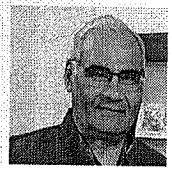
Phase I
Feb 08- 13, 2021

Phase II
Mar 01-06, 2021

Phase III
May 03-08, 2021

Resource Persons

Dr. C.P Gupta
Professor, Department of Finance & Business Economics
University of Delhi



Dr. Ganesh Kawadia
Retired Professor & Ex Head
School of Economics
DAVV Indore

Dr. Pritee Sharma
Associate Professor
Department of Economics
IIT Indore

Dr. Joyshankar Bhattacharya
Associate Professor
Economics Area
IIM Indore

Dr. Arindam Laha
Associate Professor
Department of Commerce
Burdwan University, West Bengal

Dr. Kulbir Singh
Associate Professor
Department of Finance
IMT Nagpur

IPS Academy, IBMR, Indore

Program Overview

The present workshop aims to impart knowledge of Econometrics and its applications in the context of empirical research in the field of Business, Commerce, Economics, Management and other Social Sciences. To introduce key concepts of Econometrics through hands on experience in using software in concrete management situations. Expose participants to a selected set of econometrics tools that help in taking key management decision in Research/ Industry.

Learning Outcomes

On successful completion of this program, participants will be able to:

- Understand the concept of integration of Mathematics and Economics.
- To empirically confirm economic theories
- Apply IT based tools for econometrics analysis.
- Analyze time series real time data and create forecasting models.

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Program Details

- Introduction to Econometrics using Software, Basics of Linear Regression and Regression Diagnostics
- Structural Break, Dummy Variable Model & Difference in Difference Model
- Time Series Data and Econometrics, Stationarity and Unit Root Test , Granger Causality Test
- Logit Model, Probit Model & ARIMA Modeling
- Co-integration and Error Correction Models Volatility Models: ARCH and GARCH
- Panel Data, Random Effects and Fixed Effects model

Key Highlights

- No registration fees.
- The number of seats are limited
- This STTP is for faculty members, research scholars, participants from industry.
- The STTP will be conducted in online mode on Zoom platform.
- Participants should have relevant resources viz., laptop/desktop with adequate internet connectivity.
- The participants who have attendance 80% or more and also score minimum 60% in the online test will be issued certificate.
- Intimation to the participants about registration confirmation shall be given through email.
- The STTP is organized in three Phases, however similar content will be delivered in each STTP, hence participants shall only participate in one of the Phases (1 , 2 or 3) of STTP.
- The 6 days STTP will have sessions of five hours each day (Tentative Timings: 10 A.M - 11.30 A.M, 12 Noon - 1.30 P.M, 2.30 P.M - 4.30 P.M).

Important Information

The soft copy of completely filled registration form should be sent to the course coordinator on or before:

1st of February, 2021 for Phase 1
22nd of February, 2021 for Phase 2
and 26th of April,2021 for Phase 3
Email id: sttpibmr.eco@ipsacademy.org

Program Registration

Click on the following Link:
http://forms.gle/AoM7d1joi2Has3iq7

STTP Dates

Phase -1: Feb 08 -13, 2021 (Mon -Sat)

Phase -2: Mar 01-06, 2021 (Mon -Sat)

Phase -3: May 03-08, 2021 (Mon -Sat)

Program Chair
Dr. Vivek Singh Kushwaha
Director
IBMR, IPS Academy
Indore, M.P

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Program Coordinator
Dr. Sachin Mittal
Professor
IBMR, IPS Academy
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Program Co-coordinators
Ms. Pallabi Mukherjee
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All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

STTP- Sanction Letter

Date 10 AUG 2020

Ref. No. 34-66/199/FDC/STTP/Policy-1/2019-20

From

Director,
Faculty Development Cell,
AICTE, New Delhi-110070

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2019-20 during the financial year 2020-21– reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 309167 /- (Rupees Three Lakh Nine Thousand One Hundred SixtySeven Only) for conduct of Short Term Training Program as per details given below:

1.	Name and address of the beneficiary University / Institution	IPS ACADEMY, INSTITUTE OF BUSINESS MANAGEMENT AND RESEARCH, INDORE, (M.P.) HUKMAKHEDI RAJENDRA NAGAR A B ROAD INDORE Madhya Pradesh 452011
2.	Permanent ID of Institute	1-3930783
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. VIVEK KUSHWAHA
5.	Amount sanctioned	Rs. 309167/-
6	Amount to be released	Rs.309167/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	STTP on Econometrics

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.

2. This grant in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released.

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PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATI3186K	HDFC BANK LTD	INDORE	UPPER GRD FLR COMMERCE HOUSE 7 RACE COURSE ROAD	IPS ACADEMY	Current Account	50200012278632	HDFC0001240

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

a. The full amount of the grant sanctioned is being released as advance to the University/Institute.

b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.

b. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2020-21.

II Maintenance of Accounts

a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.

b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.

c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.

d. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc.

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Monitoring Committee (PMC) at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

IV. Submission of Documents by the University/Institutions to AICTE

a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-

(i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal

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The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

(ii) Feedback form in the prescribed proforma.

(iii) Copy of the proceedings and completion report.

(iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Monitoring Committee (PMC).

(v) Report submitted by Program Monitoring Committee (PMC).

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

a. Preferably 10% of the participants may be Industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.

b. The grant released/or part thereof, if remains unutilized for any reason after expiry of stipulated time period (for any reasons to include unspent amount, interest , penalty if imposed) shall be refunded back to AICTE in the form of RTGS payable to Member Secretary, AICTE, New Delhi. The bank details of AICTE are as under:-

Account No	:	55113199952
Name of the Account Holder	:	Member Secretary, AICTE, New Delhi
Bank Name	:	State Bank of India
Branch Name	:	Shastri Bhawan, New Delhi
IFSC Code	:	SBIN0050203

c. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within six months from the date of release of funds.

d. If programme is not conducted within the period of six months of the release of the 100% grant, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month through RTGS.

d. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.

g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.

h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No 34-66/199/FDC/STTP/Policy 1/2019-20 in your future correspondence.

i. Steering Committee/Project Monitoring Committee (PMC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:

(i) Principal/Director/Registrar of the institution (Chairperson)

(ii) (ii) Coordinator of the programme (Secretary)

(iii) Two HoDs and one subject expert (Member)

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The members of the said PMC shall not be below the rank of Associate Professor. A test shall be conducted by Project Monitoring Committee (PMC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PMC report, are to be submitted to the Council at end of the program along with other mandatory documents.

j. GoI GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.

k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Col. B Venkat)
Director (FDC)
10 AUG 2020

Copy forwarded for information and necessary action to:

1. Name and Address of the Coordinator
   Dr. VIVEK KUSHWAHA
   IPS ACADEMY, INSTITUTE OF BUSINESS MANAGEMENT AND RESEARCH, INDORE, (M.P.)
   HUKMAKHEDI RAJENDRA NAGAR A B ROAD INDORE
   Madhya Pradesh452011

2. The Registrar / Director / Principal
   IPS ACADEMY, INSTITUTE OF BUSINESS MANAGEMENT AND RESEARCH, INDORE, (M.P.)
   HUKMAKHEDI RAJENDRA NAGAR A B ROAD INDORE
   Madhya Pradesh452011

3. Guard File

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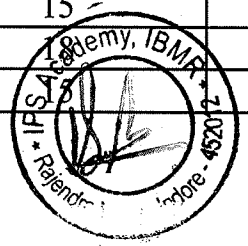
AICTE Sponsored online Short Term Training Program (STTP)
on
"Econometrics"

Attendance Sheet: STTP on Econometrics (Phase II: From 1st March to 6th March 2021)

	Participants Name	Email	Overall Attendance18	% out of 18 session
1	Alka Narula	alka.davim@gmail.com	18	100
2	Alka Singh	singhpbbau123@gmail.com	18	100
3	Arjun Naikba Patil	arjun.patil40@gmail.com	18	100
4	Ashish Sharma	asharma0303@gmail.com	15	83
5	Ashwini Bhadre	bhadreashu13@gmail.com	18	100
6	Bandla Prathyusha	prathyusha2003@gmail.com	9	50
7	Bhanu Pratap Singh	bhanupratapims@gmail.com	18	100
8	Dharmendra Kumar G	dk.gangeshwar@bitdurg.ac.in	15	83
9	Debi Prasad Satapathy	dsatapathy5@gmail.com	18	100
10	Dimple Sukhija	dimple.sukhija@indoreinstitute	15	83
11	Golakh Kumar Behera	golakhkumar@gmail.com	12	67
12	Gourab Panja	biltupanja5@gmail.com	18	100
13	Haldhar Sharma	haldhar.sharma@medicaps.ac.i	18	100
14	J.Suresh Kumar	jsuresheco@gmail.com	15	83
15	Jaishree	jasssharma1996@gmail.com	15	83
16	Ketki Kumari	ketkikumari92@gmail.com	15	83
17	Krishna Murari	krishnamurari9@gmail.com	18	100
18	Muskan Wadhwani	1005789@emeraldheights.edu.	15	83



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19	Madhu Kumari	19madhulika@gmail.com	18	100
20	Mukesh Kumar	mukeshb656@gmail.com	15	83
21	Neha Kumar	kumarneha89@gmail.com	18	100
22	Om Prakash	omprakashnep1@gmail.com	18	100
23	Osheen Modi	osheenmodi@gmail.com	12	67
24	Palak Sukhija	palaksukhija21@gmail.com	15	83
25	Prateek Kumar Tripat	prateek.94.lee@gmail.com	18	100
26	Priya Saxena	phdpriyasaxena@gmail.com	18	100
27	Pushpendra Kumar Si	pushpendraraj28@gmail.com	18	100
28	Roli Pradhan	rpradhan@nitttrbpl.ac.in	18	100
29	Sandeep Soni	sandeep.k.sony@gmail.com	3	17
30	Saswati Jena	saswatij849@gmail.com	9	50
31	Seema Sharma	seemaashish24@gmail.com	3	17
32	Shalu Pandey	shalu.jssgiw@gmail.com	6	33
33	Shalu Purswani	shalu.purswani@gmail.com	9	50
34	Shaswati Das	shaswati.das2@gmail.com	18	100
35	Shobana D	shobanasahayam@gmail.com	3	17
36	Sk Mujibar Rahaman	skmujibar@gmail.com	18	100
37	Sonia Goyal	soniapankaj2015@gmail.com	9	50
38	Srawan Kumar KC	srawankc@kusom.edu.np	6	33
39	Sunita Ramchandani	ramchandanisunita04@gmail.c	18	100
40	Tanya Rastogi	tanya.rastogi20@gmail.com	6	33
41	T Triveni	t.triveni87@gmail.com	18	100
42	Vikas Singh	vikassingh@cusb.ac.in	18	100
43	Vikash Kumar	vikash.davv2011@gmail.com	18	100
44	Dr.Jolly Sushma	jolly.sushma@ipsacademy.org	18	100
45	Dr. Kali Charan Moda	kali.modak@gmail.com	18	100
46	Dr.Nidhi Jhawar	nidhijhawar@ipsacademy.org	17	89

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AICTE Sponsored online Short Term Training Program (STTP)
On
"Econometrics"
Phase II (1 March 21- 6 March 21)

Session wise Report

Day 1 (1 March 2021):

The first session 1 was conducted at 10 a.m. to 12 noon. The resource person for session was Dr. Ganesh Kawadia (Retired Professor & Ex Head School of Economics, DAVV, Indore). The introductory session saw Dr. Kawadia shedding light upon the concept of economic theory and the integration of mathematics and economics to create mathematical and econometric models. He explained in detail how to use these models to test the hypothesis for proving the economic theory and how to apply the models for control and policymaking. Dr. Kawadia also provided deep insights into linear regression, least-square method, types of data, econometrical models and forecasting using econometrical models. The average Feedback of the session was 4.51

Session 2 started at 12:30 Noon to 2 pm. The resource person for the session was Dr. Narain (Associate Professor University of Delhi). The topic covered by him was Introduction to Regression. In this insightful session, Dr. Narain gave a detailed introduction about Regression and explained the various aspects of Regression Analysis. He covered topics like Regression Modelling, Classical Linear Regression Analysis and Properties of OLS Estimators. He demonstrated the use of Excel and Stata software for creating Regression Models - Linear as well as Multiple. The average feedback was 4.377

Session 3 was conducted at 2:30 p.m.to 5 p.m. Dr. Narain (Associate Professor University of Delhi) continued this session with the topic Multiple Regression and Regression Diagnostics. The session witnessed Dr. Narain illustrating the use of Stata software to run Regression Diagnostics. He further elucidated how to use the results from Diagnostics to improve the overall model fit. He also explained about Regression Model assumptions and the validity of the Model. The session also covered topics like Homosedasticity, Hetrosedasticity and Residual Terms in detail. The average feedback for the session was 4.49

Day 2 (2 March 2021)

Session 1 started at 10 a.m. to 11:30 a.m. The resource person for the session was Dr. Karunesh Saxena (Professor, Mohan Lal Sukhadiya University, Udaipur) and the topic covered by his was Time Series Data and Econometrics. Dr. Karunesh Saxena started the session with the statement "Mathematics is Music". He told a story and connect it beautifully with Time Series. He explained the basics of Time series analysis. Dr. Saxena explained the utility of time series in practical life. He also shed light on components of time series. He

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illustrated how time series is helpful in forecasting. Dr. Saxena provides practical examples and showed videos to explain the above concepts. The average feedback for the session was 4.0

Session 2 began at 11:30 a.m. and ended at 1:30 p.m. Dr Karunesh Saxena (Professor, Mohan Lal Sukhadiya University, Udaipur) continued the session as a resource person and the topic covered by him was Stationarity and Unit Root Test. In the second session, Dr. Saxena elucidates the Stationarity and Unit root concept. He also gave an in-depth insight into the Dickey Fullar test. Dr. Saxena then illustrated BOX JENKIN's Model. The average feedback for the session was 4.414.

Prof. Joysankar Bhattacharya (Associate Professor, IIM, Indore) was the resource person for session 3. Session was conducted from 2:30 p.m. to 4:30 p.m. The topic covered during the session was Diff in Diff Model.He started the session explaining Difference-in-Difference (DID) Model. Prof. Bhattacharya illustrated the pre and post analysis of treatments with treatment group and control groups. He explained the DID assumptions, DID estimator and DID in regression analysis. The average feedback for the session was 4.323

Session 4 was taken by Dr. Pallabi Mukherjee by 4:30 p.m. to 5:30 p.m. She is Associate Professor at IBMR, IPS Academy and has vast knowledge of Econometrics. She took hands of practices and review on session of the day. Dr. Mukherjee has has summarised the sessions of entire day taken by Dr. Arup Kumar Chattopadhyay and also took hands on practice of explained concepts on Eviews. She provided the data to the participants and explained the working of Eviews on that particular data. She also handled the quarries of participants related to the entire day sessions.

Day 3 (3 March 2021)

Session 1 of the day 2 started at 10 a.m. and ended at 11:30 am. The resource person for the session was Dr Preeti Sharma (Associate Professor, Department of Economics, IIT Indore). Topic Covered by her in first session was Panel Data and FEM and REM. Dr. Preeti Sharma started the session with the explanation of panel data & cross-sectional data and also touched upon the concepts of parametric and stochastic variables. She then illustrated the method to calculate pooled/panel data. Dr. Preeti used practical examples to explain the concepts, helping the participants grasp them easily. Average Feedback for the session was 4.45.

The second session began with a detailed explanation of Durbin Wattson Statistic. Session 2 was also taken by Dr. Preetin Sharma (Associate Professor, Department of Economics, IIT Indore). from 12:00 p.m. to 1:00 pm. In this session she more elaborately covered the topic Panel Data and FEM and REM. Dr. Preeti then gave in-depth insights into Random effect Model and Fixed Effect Model. She then illustrated the pooled regression OLS in a detailed manner. The average feedback of the session was 4.481

Session 3 conducted from 2:30 p.m. - 4:30 p.m. Dr. Preeti Sharma continued this session with the topic Panel Data and FEM and REM. In this session, Dr. Preeti provided the participants

hands-on knowledge about Eviews software. She taught them how to import the excel files into the software, define variables and estimate Random Effect Model and Fixed Effect Model. Dr. Preeti then illustrated how to apply the Houseman test to compare Random effect & Fixed effect model and showed which model is a better fit between the two. In the same vein, Dr. Preeti explained the testing of hypothesis and interpretation of the above test in detail. Mr. Danish and Dr. Pradhan were the teaching assistants for the session. The average feedback for the session was 4.391.

Session 4 conducted at 04:30 p.m. to 05:30 p.m. Dr. Sunita Jatav has taken this session. Dr. Jatav is an Associate Professor at IBMR, IPS Academy and has vast experience of dealing with data. Dr. Jatav has summarised the sessions taken by Dr. Preeti Sharma and also took hands on practice of explained concepts on Eviews as well as on Stata. She explained how to write a good research paper by incorporating all the tools explained during previous sessions.

Day 4 (4 March 2021)

Session 1 was held on 10:00 am to 11:30 am. The Resource Person for the session was Prof Kulbir Singh(Associate Professor, Department of Finance, IMT Nagpur). The topic covered by him was Introduction to ARIMA. Dr. Kulbir Singh started the session with the introduction of auto-correlation in time series analysis. He explained the concept in great detail covering topics like reasons for auto-correlation in time series and regression models with auto-correlation disturbance. He then illustrated auto-regression, from first order to higher order. He explained the models theoretically and then practically with the help of Stata software. The average Feedback for the session was 4.517

Session 2 started at 1:00 and ended at 2:00 pm. Prof Kulbir Singh (Associate Professor, Department of Finance, IMT Nagpur), continued the session with the topic ARIMA modelling and co integration. The second session was based on testing auto-correlation between variables using the Durbin Wattson Test. Dr. Kulbir Singh explained the Durbin Wattson Test covering every big and small detail like its assumptions, how to run the test in Stata, how to interpret its result and also its drawback. He then illustrated the Durbin Alternative Test and showed how this test solves the drawback of Durbin Wattson test. The average Feedback for the session was 4.455

Session 3 was also continued by Prof Kulbir Singh (Associate Professor, Department of Finance, IMT Nagpur) from 2:00 to 4:30 pm. This session covered the topic Error Correction Models. The final session of Prof. Kulbir was centred on the ARMA model. Dr. Kulbir Singh explained this model comprehensively using Stata and underlined this model's high relevance in the business world. He then provided deep insights into White Noise, General Linear Model and LAG Operators. He also illustrated how to construct a general linear process by using LAG operator. The average feedback for the session was 4.597

Session 4 was conducted by Dr. Tarika Nandedkar from 4:30 to 5:00. She is an Associate Prof. At IBMR, IPS Academy Indore Dr. Tarika has summarised the sessions taken by Prof. Kulbir Singh and also took hands on practicum for the topics covered by Prof. Kulbir on

STATA. Data was provided by her to participants in advance. Participants learn how to applied tools on particular data with the help of Stata.

Day 5 (5 March 2021)

Session 1 started at 10:00-11:30 am. Dr. C P Gupta (Professor, Department of Finance and Business Economics, South Campus, University of Delhi.) was the resource person for the session. He covered Granger Causality in this session. Dr. C. P. Gupta started the session by explaining the time series concept with multiple variables. He illustrated how one can estimate the models for multiple time series with the examples of GDP and Inflation. He shed light upon the two approaches to achieve the above objective - Bottom Up Approach and Top Down Approach. He then explained the Causality concept in great detail. In continuation to this, Dr. Gupta illustrated the Granger Causality Test with the help of Eviews software. He also touched upon the VAR Model concept. The average feedback for the session was 4.659

Session 2 was also taken by Dr. Gupta (Professor, Department of Finance and Business Economics, South Campus, University of Delhi.) from 12:00-1:30 pm. In this session he covered Logit and Probit Model – 1. The second session began with the explanation of Linear Probability Model. Dr. Gupta detailed the nature of this model, its limitations, and how to calculate & interpret the model. Dr. Gupta also explained the concepts of Logit and Probit models. He taught how to run and interpret these models in Eviews as well as in Stata software. The average feedback for the session was 4.609.

Session 3 was the extension of session two from 2:30 – 4:30 pm taken by Dr. C P Gupta (Professor, Department of Finance and Business Economics, South Campus, University of Delhi.) on the same topic Logit and Probit Model – 2. In the third session, Dr. Gupta did a comparative analysis of the Logit and Probit model. He also explained the concept of Pseudo R-Squared covering all its measures viz. MC Fadden R- Square, Cox and Snell R- Square and Nagelkerke. He illustrated these test on Stata and also explained the interpretation as well the utility of different measures in different situations. The average feedback for the session was 4.615.

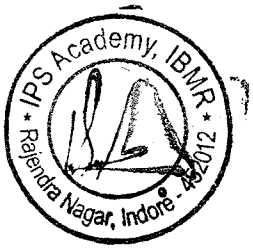
Day 6 (6 March 2021)

Session 1 of the last day was taken by Dr. Arindam Laha from (Associate Professor Department of Commerce Burdwan University, West Bengal) from 10:0011:30 am. topic covered by him was Dummy Variable Model. The session of Dr. Arindam Laha was centred on a very important concept of Econometrics - Dummy Variables. He explained the application of dummy variable in the regression analysis and also covered the topics Intercept and Dummy Variables, Dummy Variable Trap and Seasonal Dummy Variable. Dr. Laha then illustrated the concepts of ANOVA & ANCOVA model and explained how to use dummy variables in these models. He shed light upon the cautions which one should exercise while using Dummy variables. The average feedback for the session was 4.567.

Session 2 was taken by Dr. Arindam Laha from (Associate Professor Department of Commerce Burdwan University, West Bengal) from 12:00-1:30 pm. Topic Covered by him during

the session was Difference in Difference Model, Structural Break. The second session Dr. Arindam Laha started by explaining Difference-in-Difference (DID) Model and Structural Break. He then talked about the concept of experimentation and its importance in research. He also illustrated the concept of Difference-in-Difference Model. He explained the DID assumptions, DID estimator, DID in regression analysis and how to estimate the DID model in STATA. Dr. Laha also illustrated Structural Break model with the help of STATA. Dr. Laha also introduced a new open source software to participants viz. "GRETL- GNU Regression, Econometrics and Time Series Library". Dr. Laha demonstrated how to run DID in GRETL and how to interpret the result using GRETL. The average feedback for the session was 4.603.

Session 3 of the day was Test &Valedictory session and held from 2:30 – 4:30 pm. In the third session, a test was conducted to gauge the learning and understanding of the participants from the programme. The test was held on the online platform - Testmoz. Online test link with password was provided to the participants. There were 50 multiple choice questions and the participants had to solve them within an hour. There was no negative marking for the test. The minimum criteria of passing the test was 60% marks. After the completion of the test, there was a valedictory session. In the valedictory session, the participants shared their views and gave feedback about the STTP. Participants were extremely satisfied with the learning outcomes of the programme. Participants expressed that the concepts explained by the resource persons, the study material provided by them, the way they clarified their doubts, had greatly enriched their knowledge. The participants were also impressed by the quality of invited speakers. They were also satisfied with the way STTP was conducted by the organizers. Dr. Sachin Mittal expressed gratitude towards all the participants for their active participation and support in making this STTP a great success. Overall Average Feedback of the STTP was 4.591.



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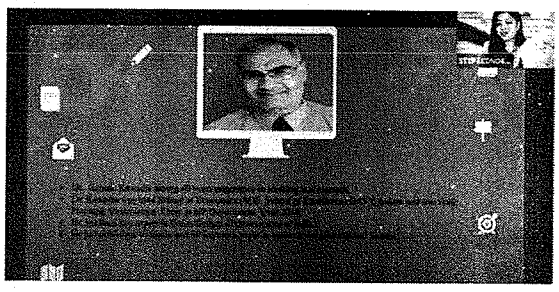
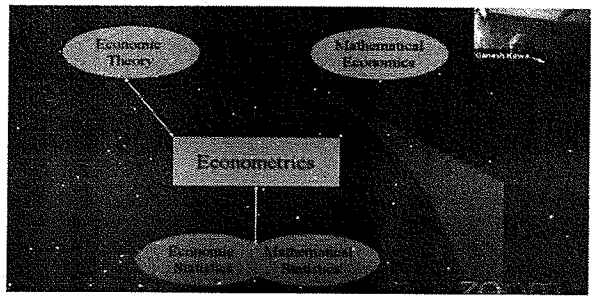
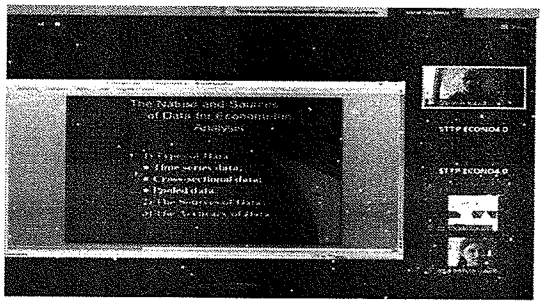
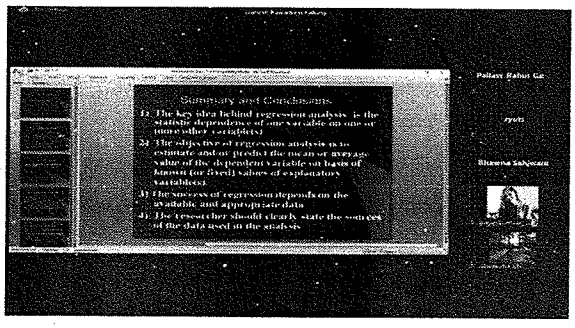
Day 1: 1 March 2021
Session: 1
Time: 10 a.m. to 11:30 a.m.

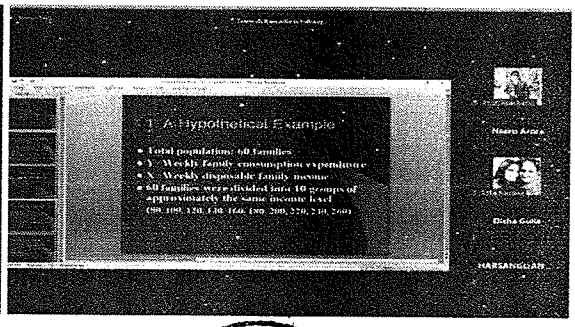
Speaker: Dr. Ganesh Kawadia











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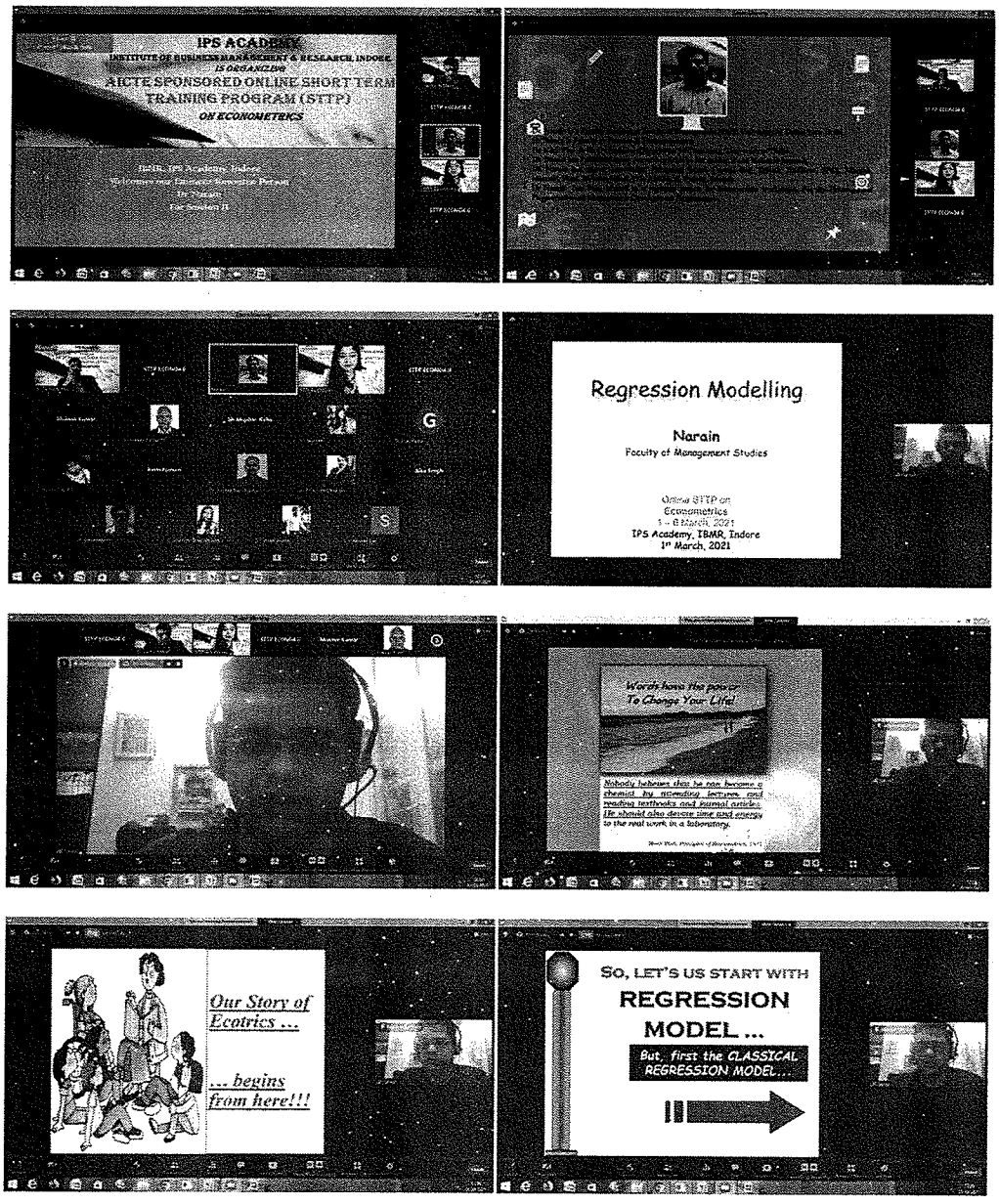
Day 1: 1 March 2021
Session: 2
Time: 12:00 pm to 1:30 pm

Speaker: Dr. NARAIN



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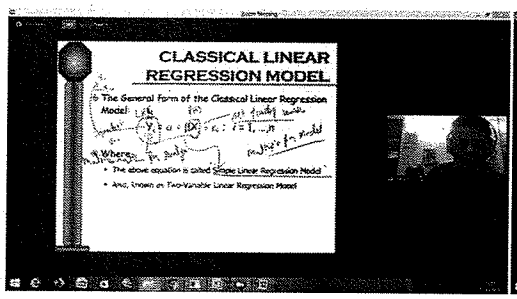

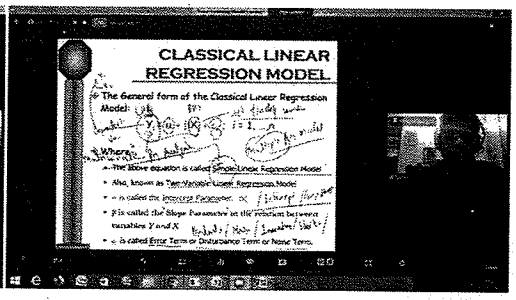

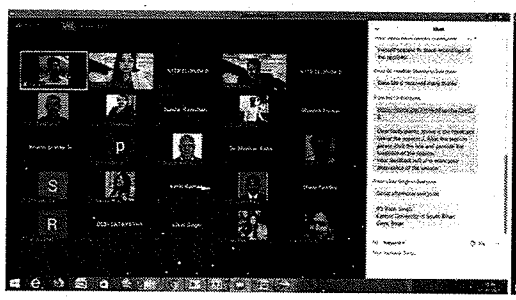

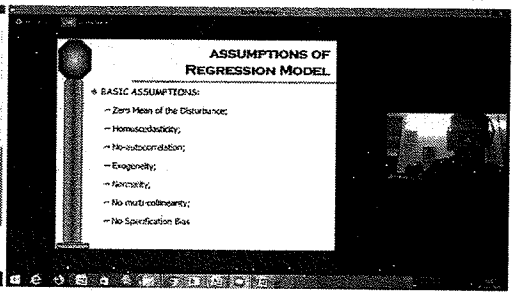

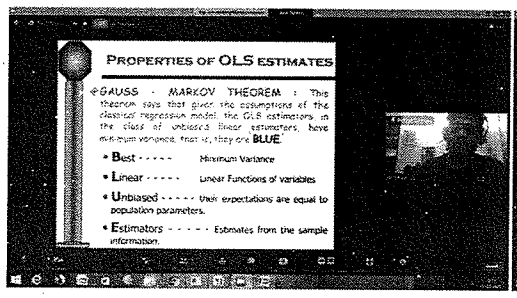

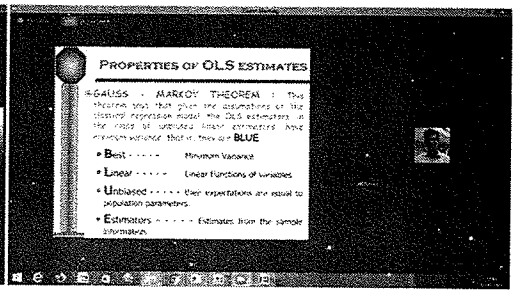

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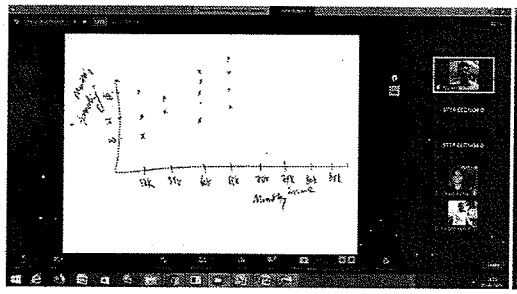
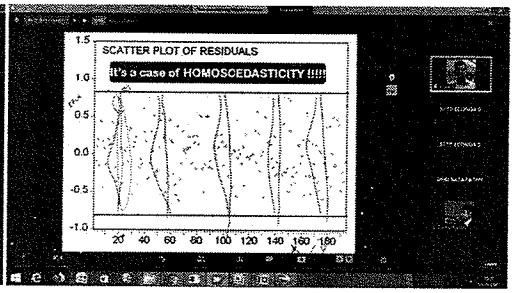
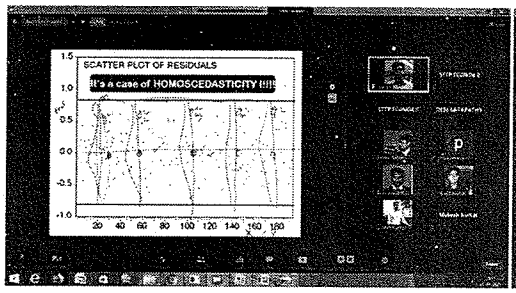
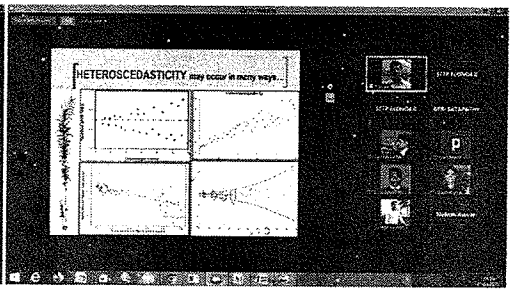
Day 1: 1 March 2021
Session: 3
Time: 2:30 pm to 4:30 pm

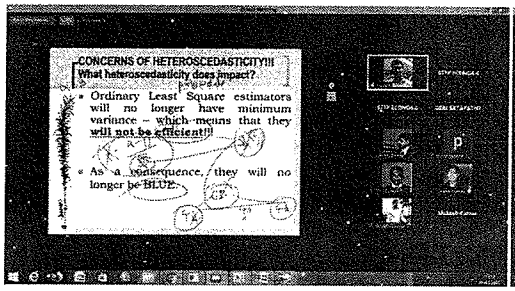
Speaker: Dr. NARAIN

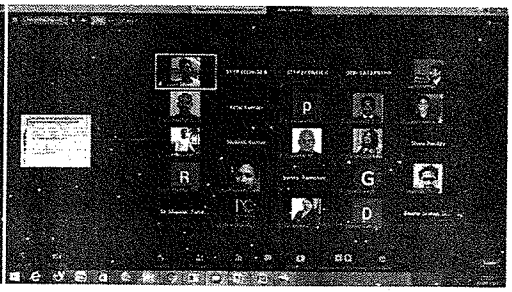


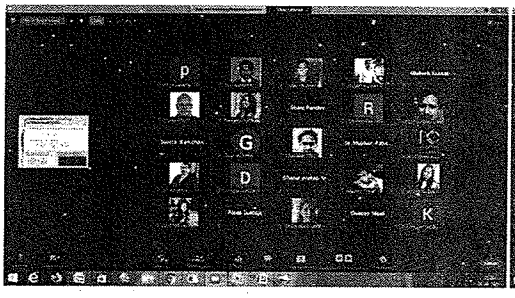


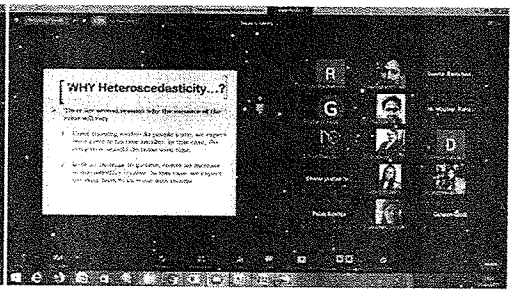












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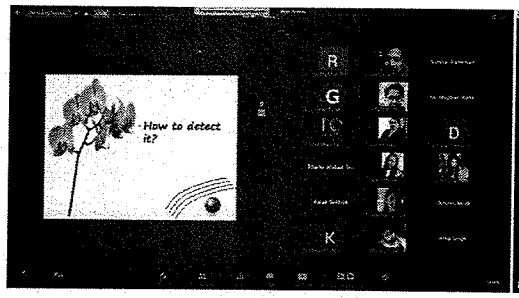

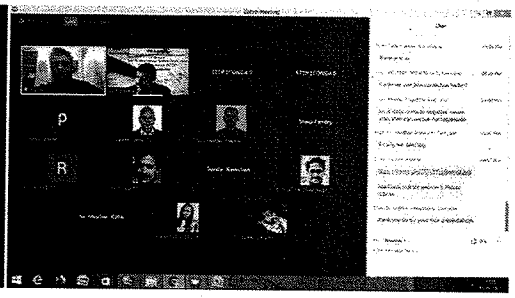

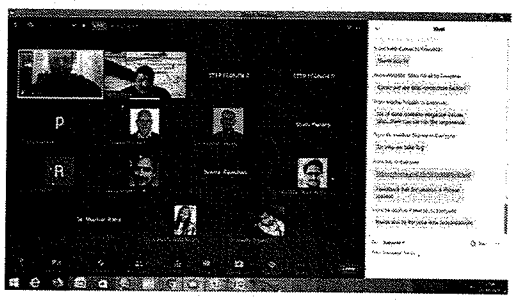

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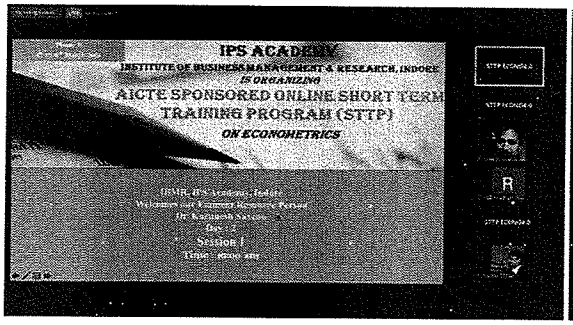
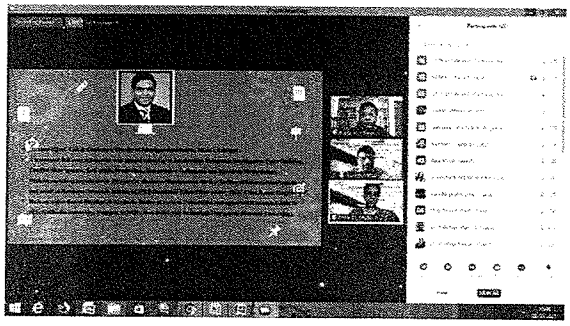
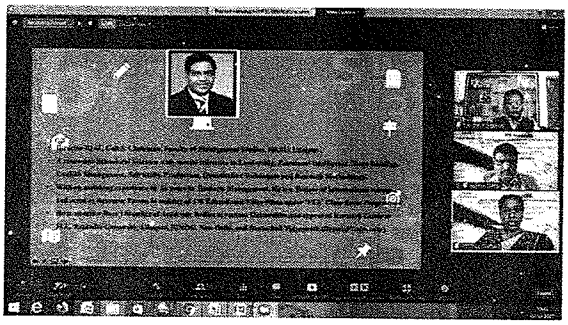
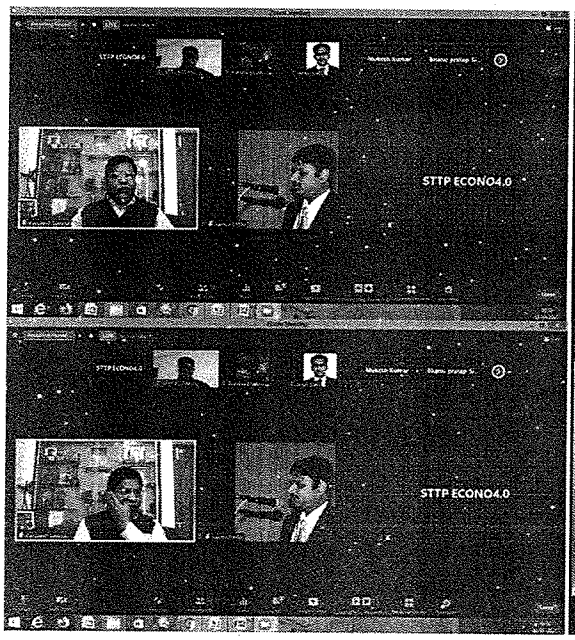
Day 2: 2 March 2021
Session: 1
Time: 10:00 am to 11:30 am

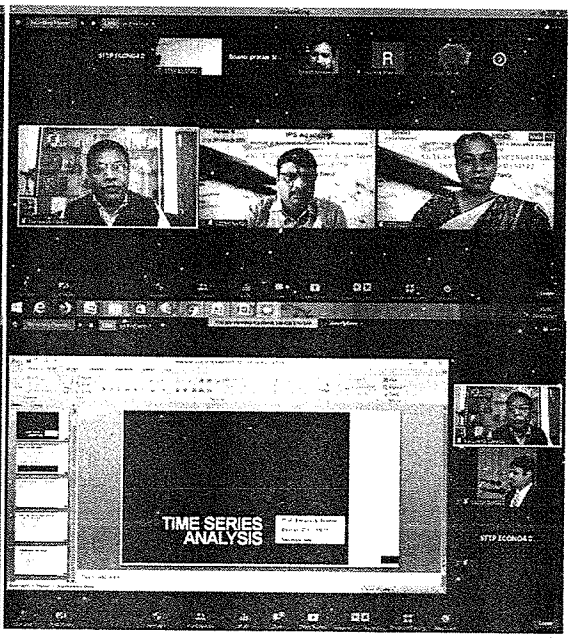
Speaker: Dr Karunesh Saxena











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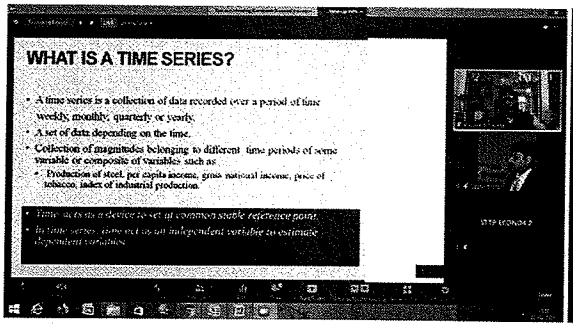

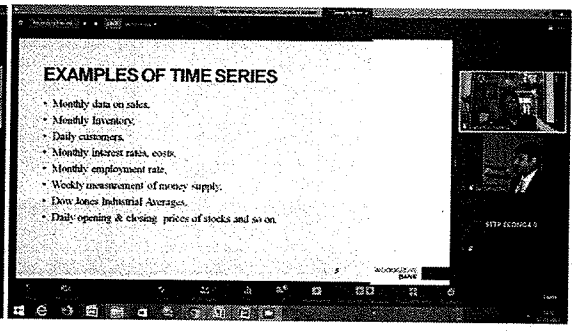

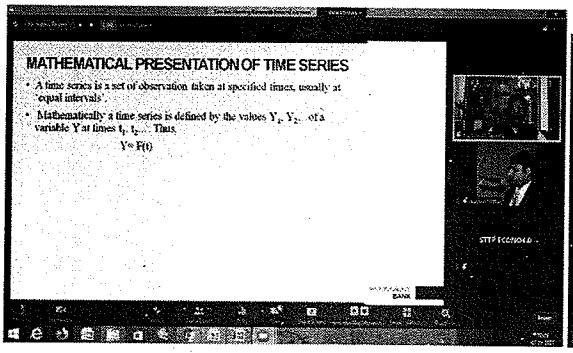

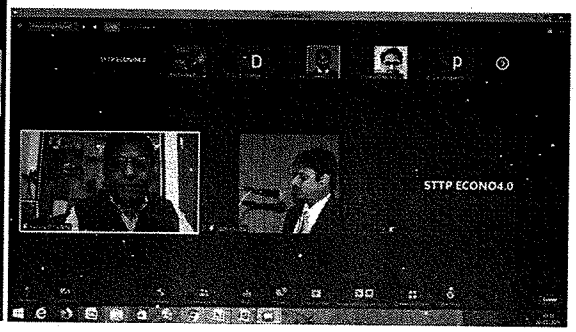

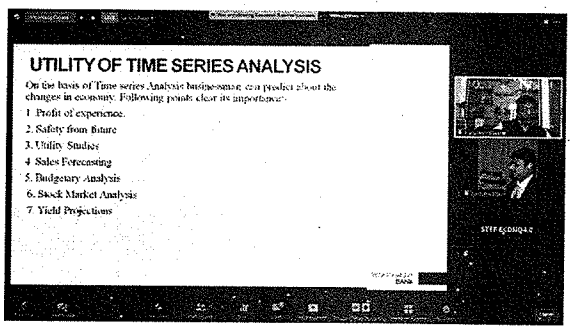

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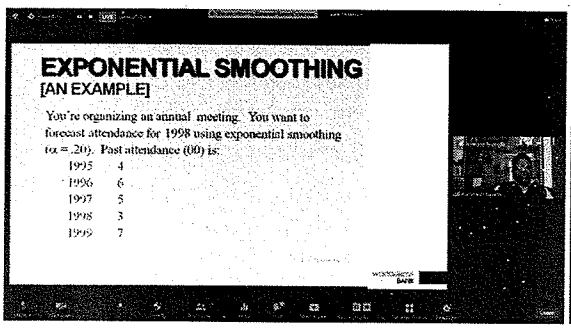
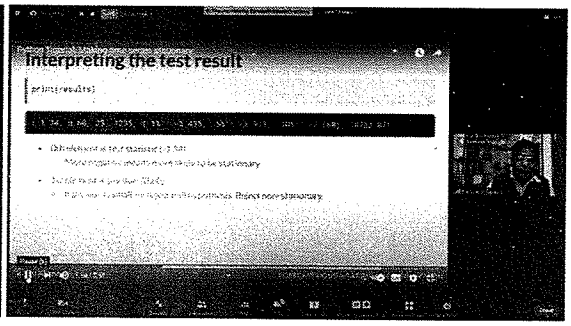
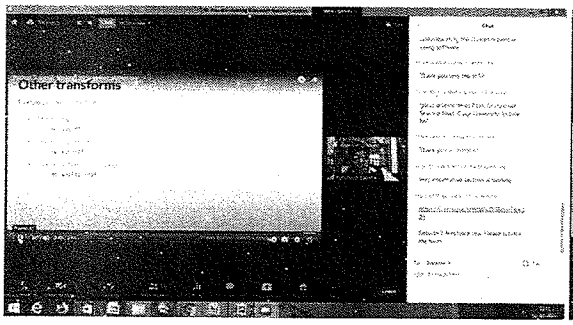
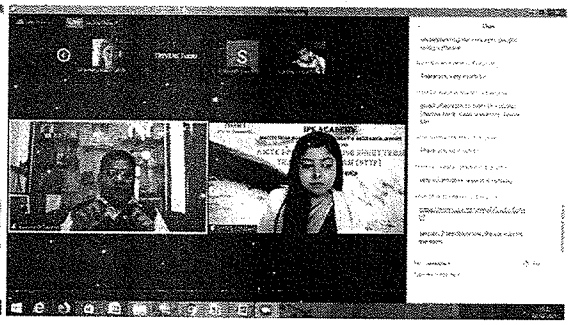
Day 2: 2 March 2021
Session: 2
Time: 12:00 pm to 1:30 pm

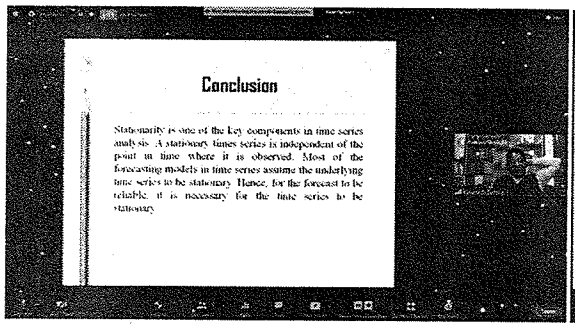
Speaker: Dr Karunesh Saxena

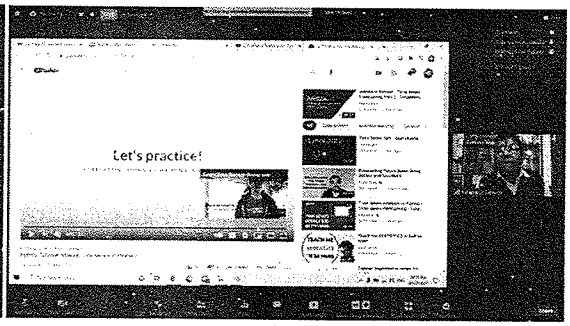












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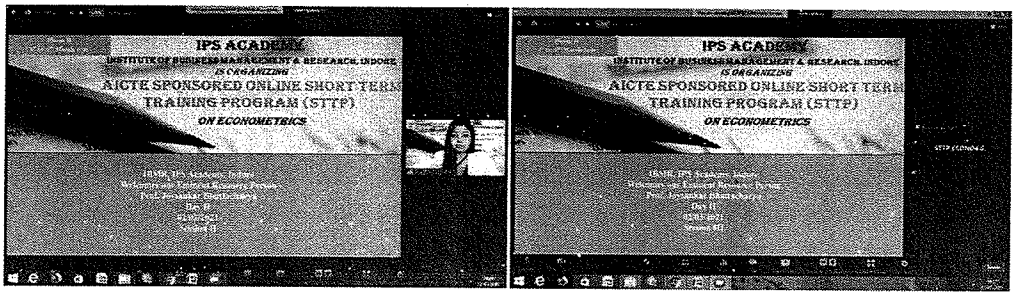
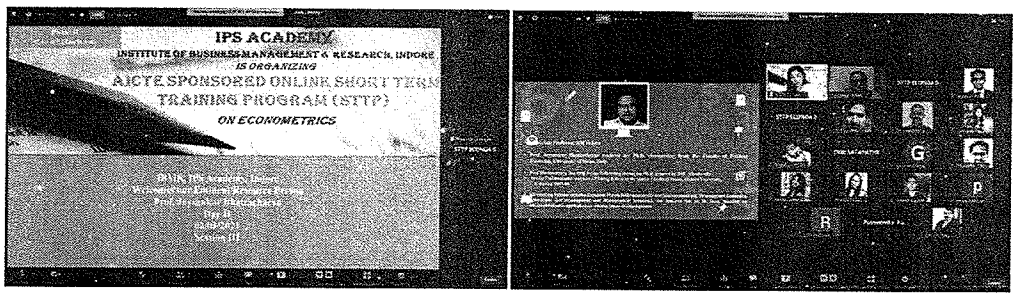
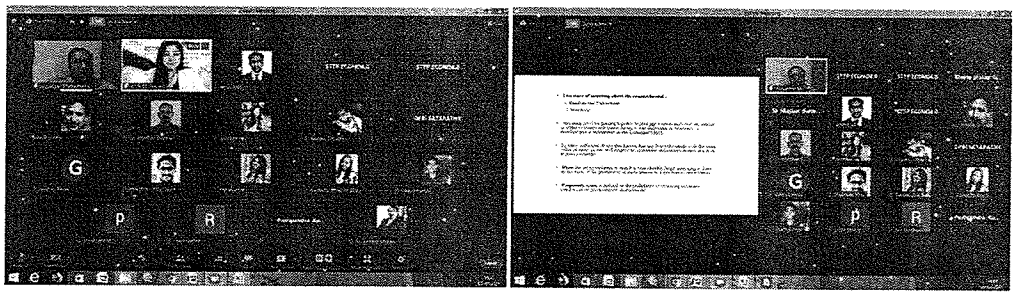
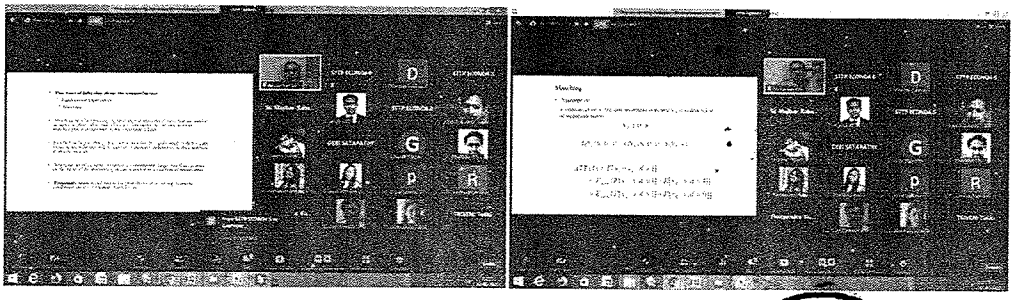
Day 2: 2 March 2021
Session: 3
Time: 2:30 pm to 4:30 pm

Speaker: Prof. Joysankar Bhattacharya









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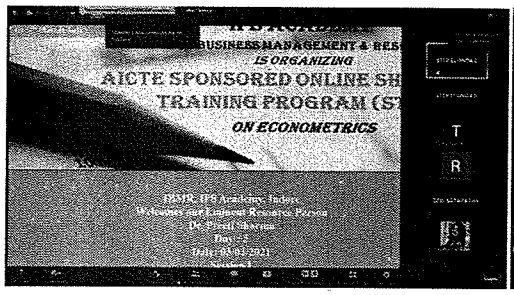
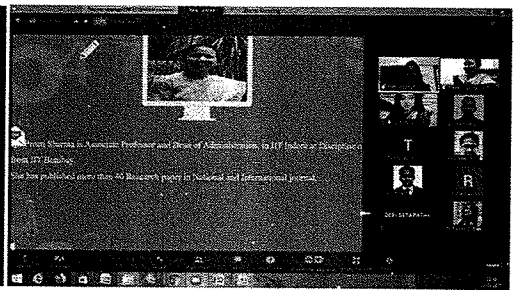
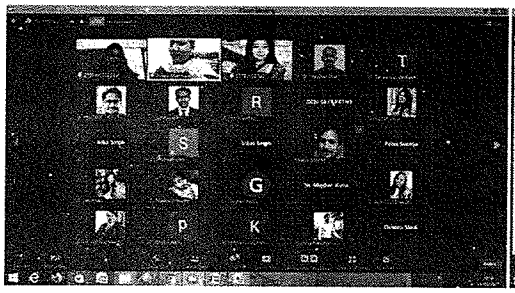
Day 3: 3 March 2021

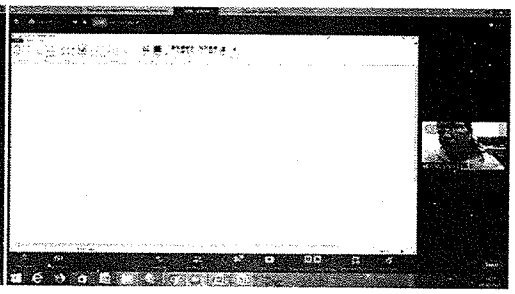
Session: 1
Time: 10:00 a.m. to 11:30 a.m.

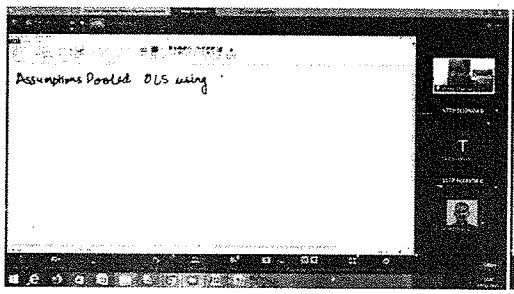
Speaker: Dr. Preeti Sharma

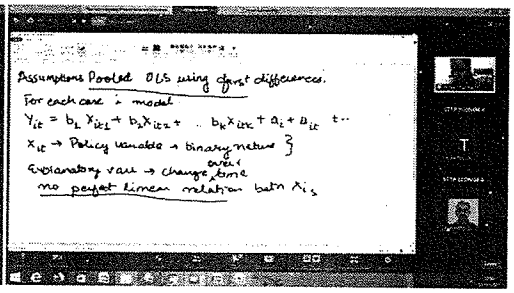


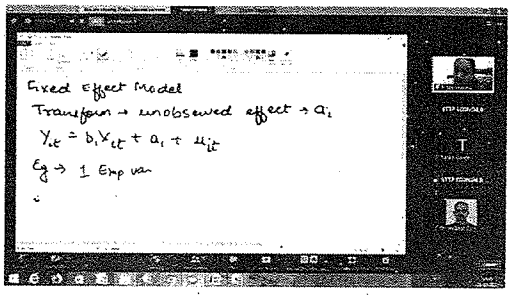












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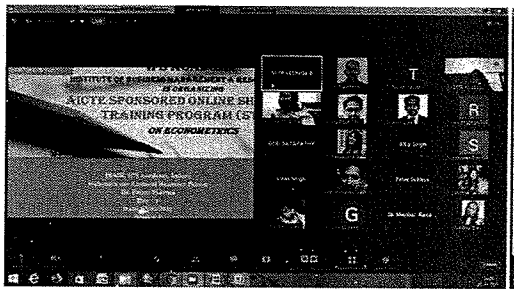
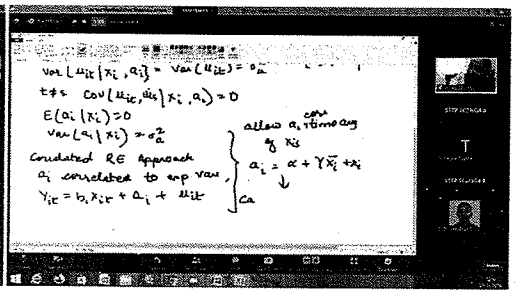
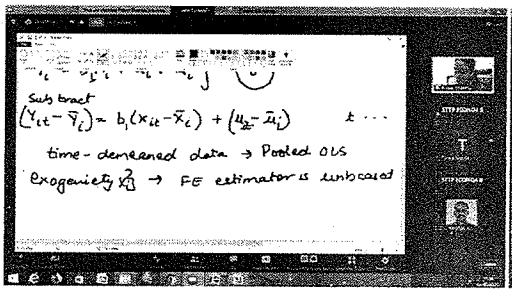
Day 3: 3 March 2021

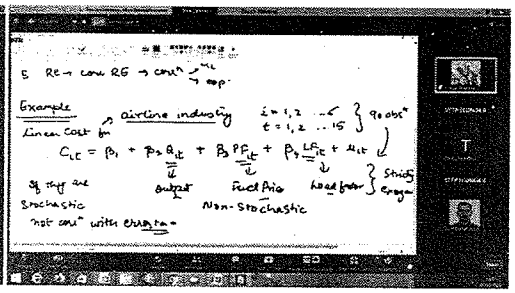
Session: 2
Time: 12:00 p.m. to 1:30 p.m.

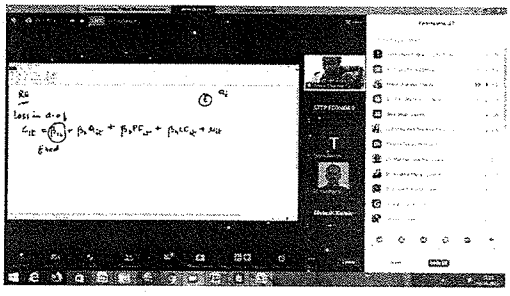
Speaker: Dr. Preeti Sharma











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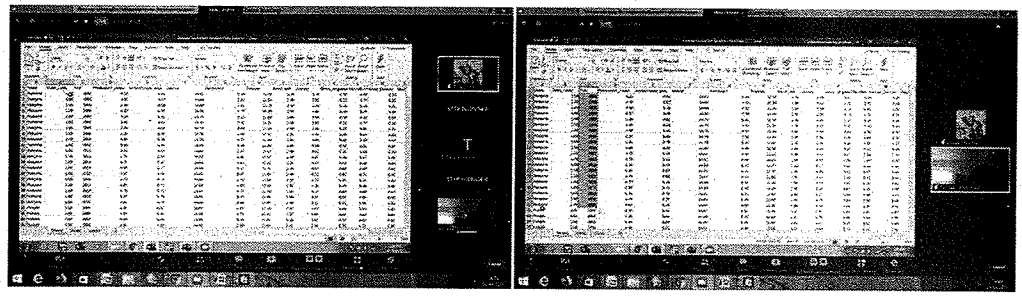
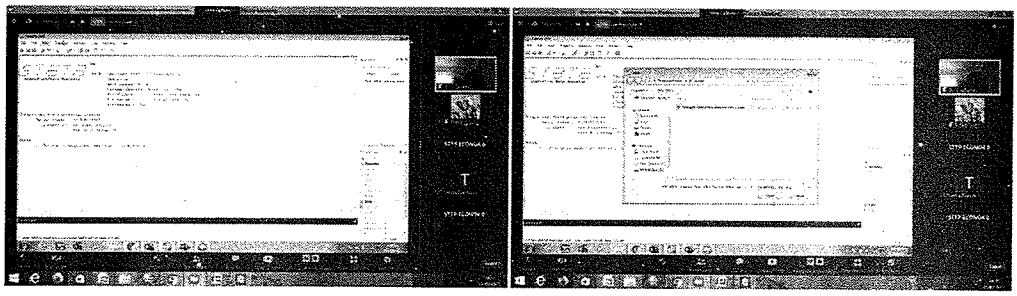
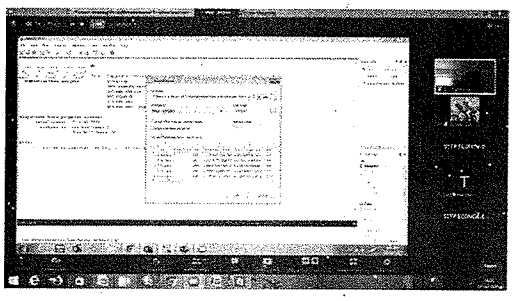
Day 3: 3 March 2021

Session: 3
Time: 2:30 p.m. to 4:30 p.m.

Speaker: Prof. Dr. Preeti Sharma







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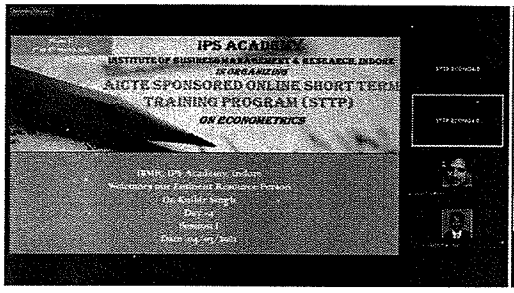
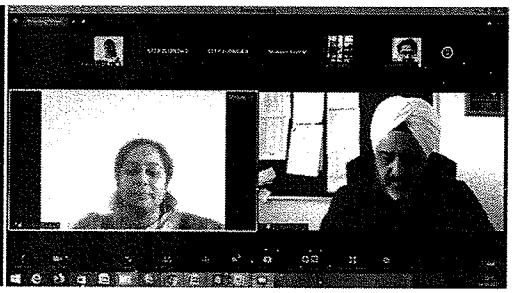
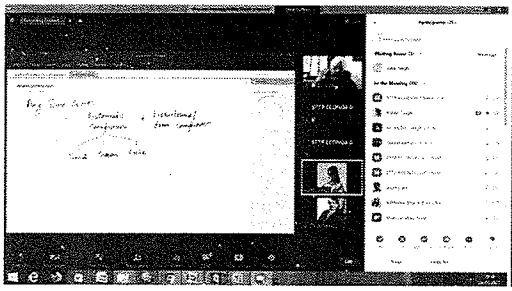
Day 4: 4 March 2021

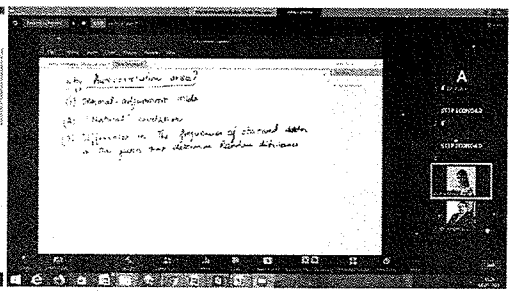
Session: 1
Time: 10:00 a.m. to 11:30 a.m.

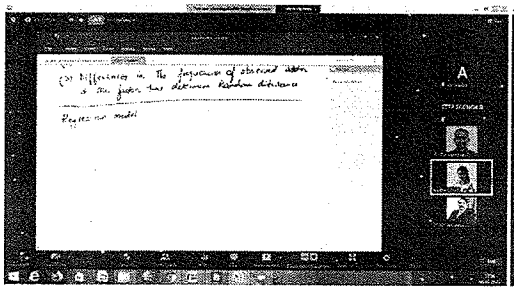
Speaker: Dr. Kulbir Singh

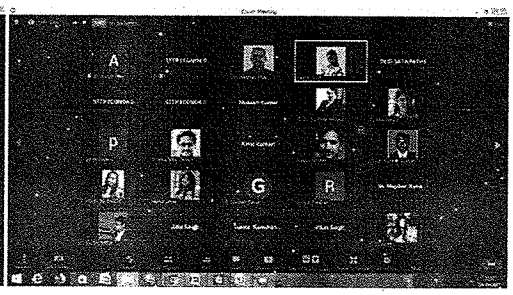


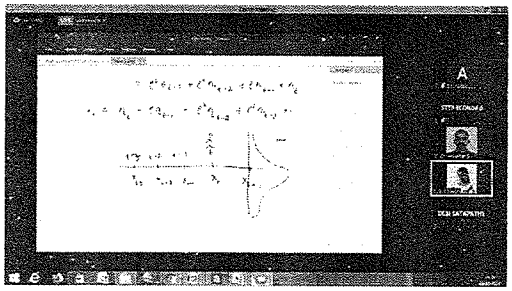












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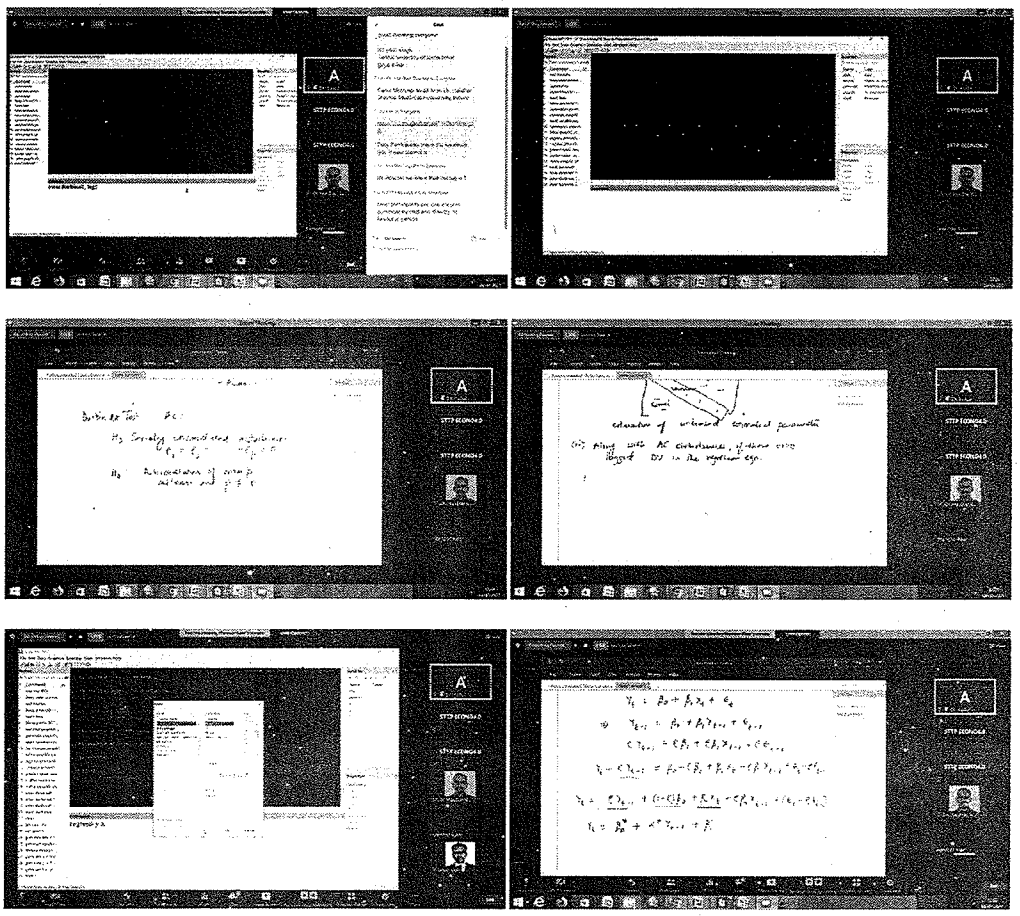
Day 4: 4 March 2021

Session: 2
Time: 12:00 p.m. to 1:30 p.m.

Speaker: Dr. Kulbir Singh



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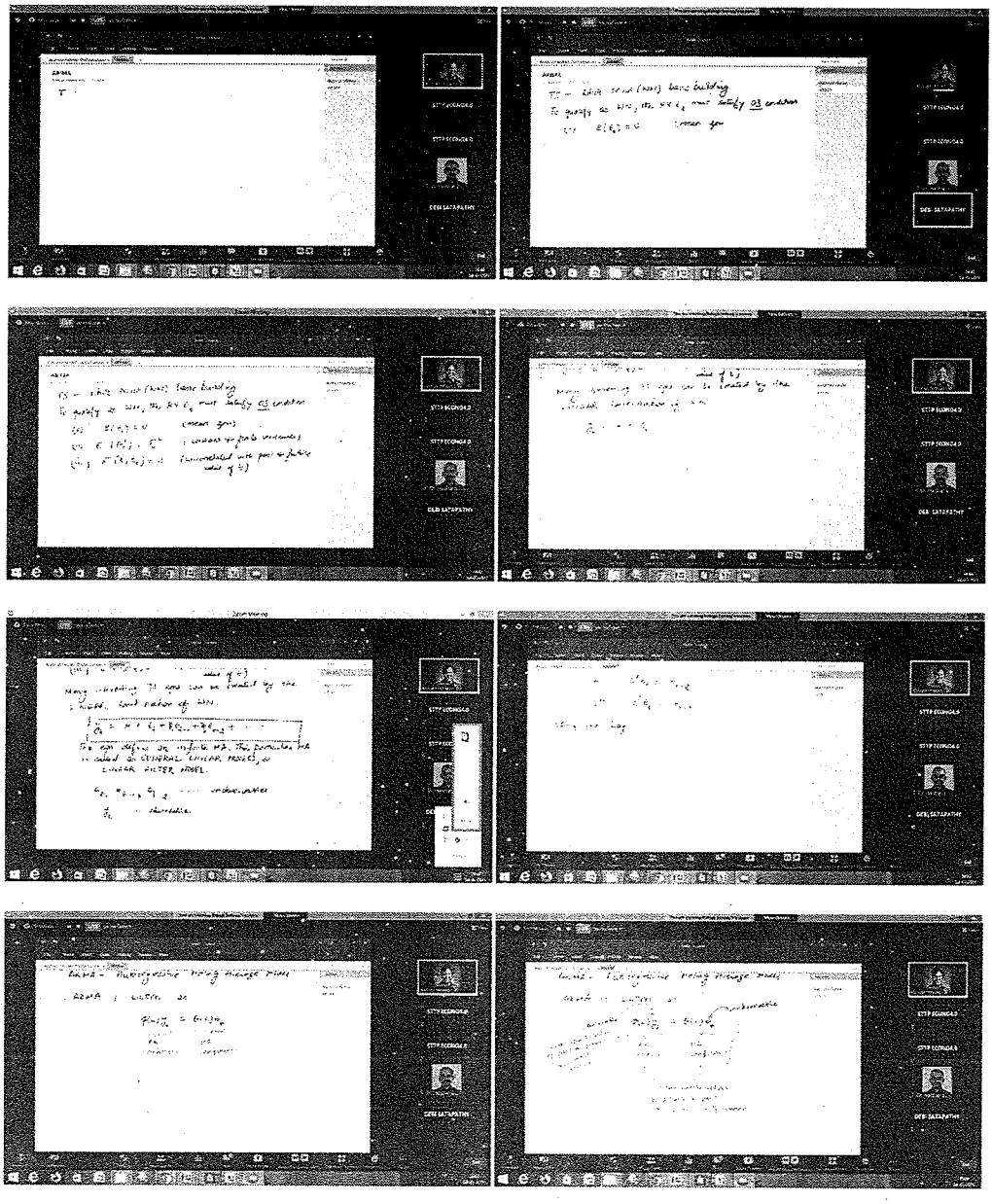
Day 4: 4 March 2021

Session: 3
Time: 2:30 p.m. to 4:30 p.m.

Speaker: Dr. Kulbir Singh



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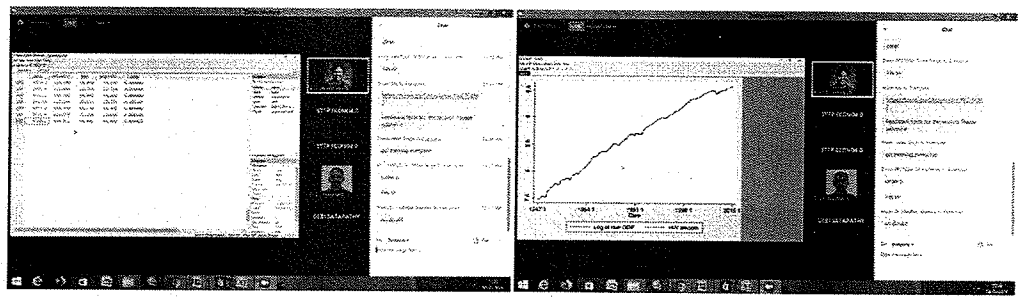

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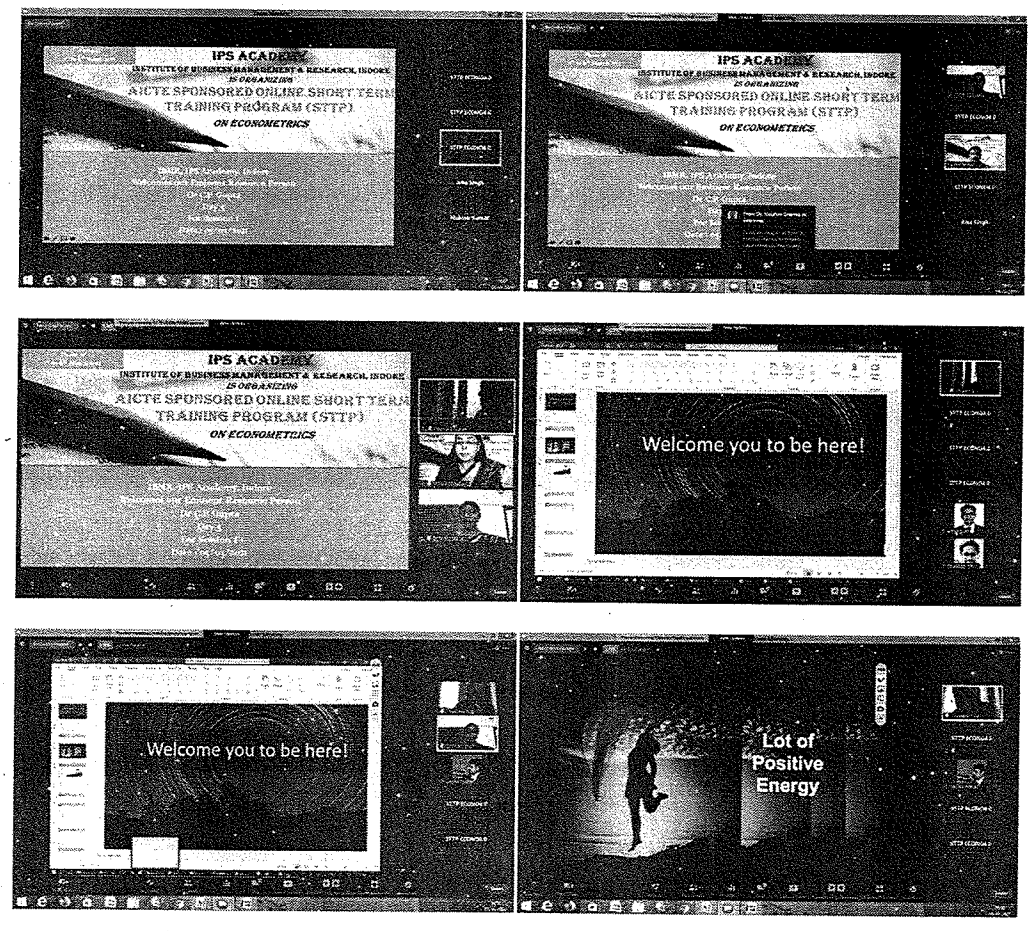
Day 5: 5 March 2021

Session: 1

Time: 10:30 a.m. to 11:30 a.m.

Speaker: Dr. C P Gupta



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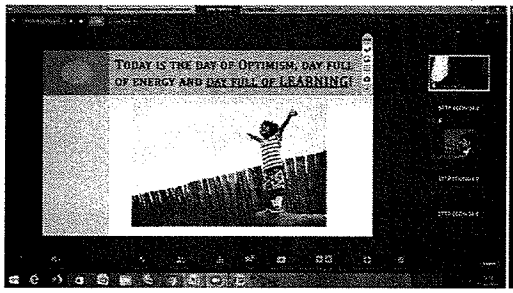

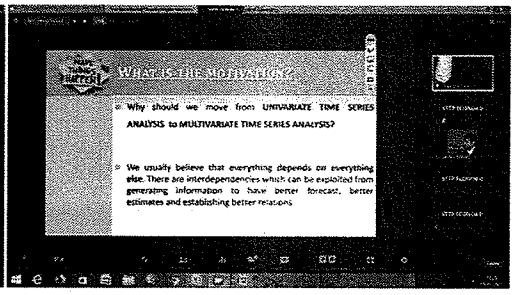

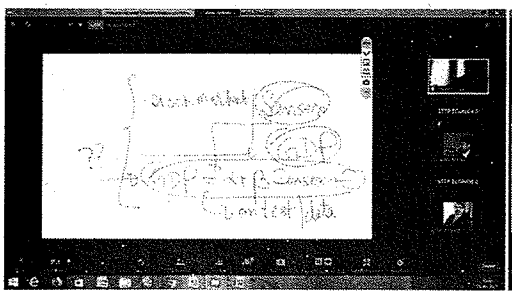

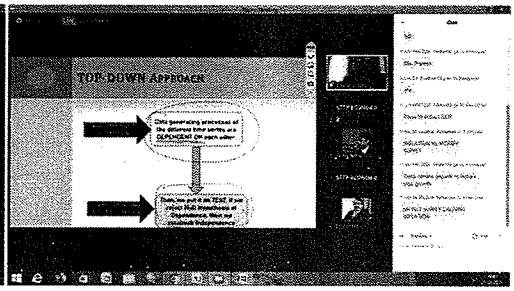

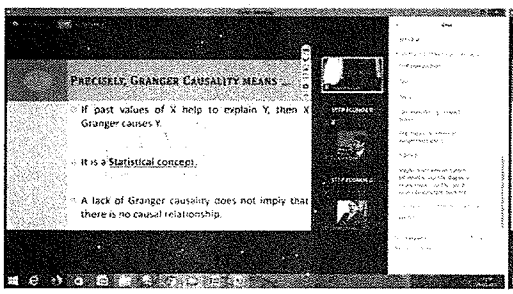

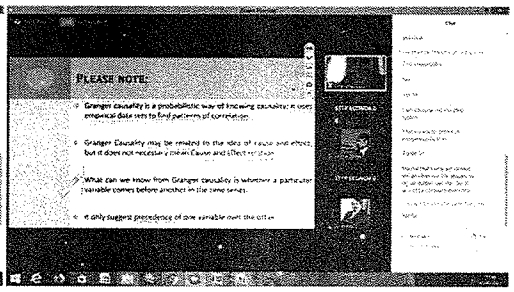

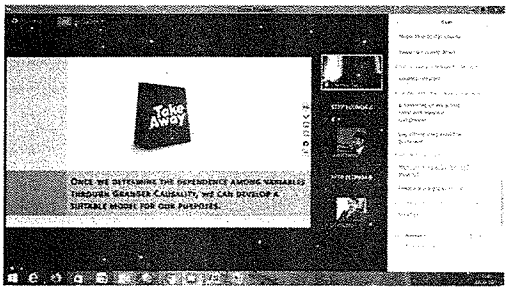

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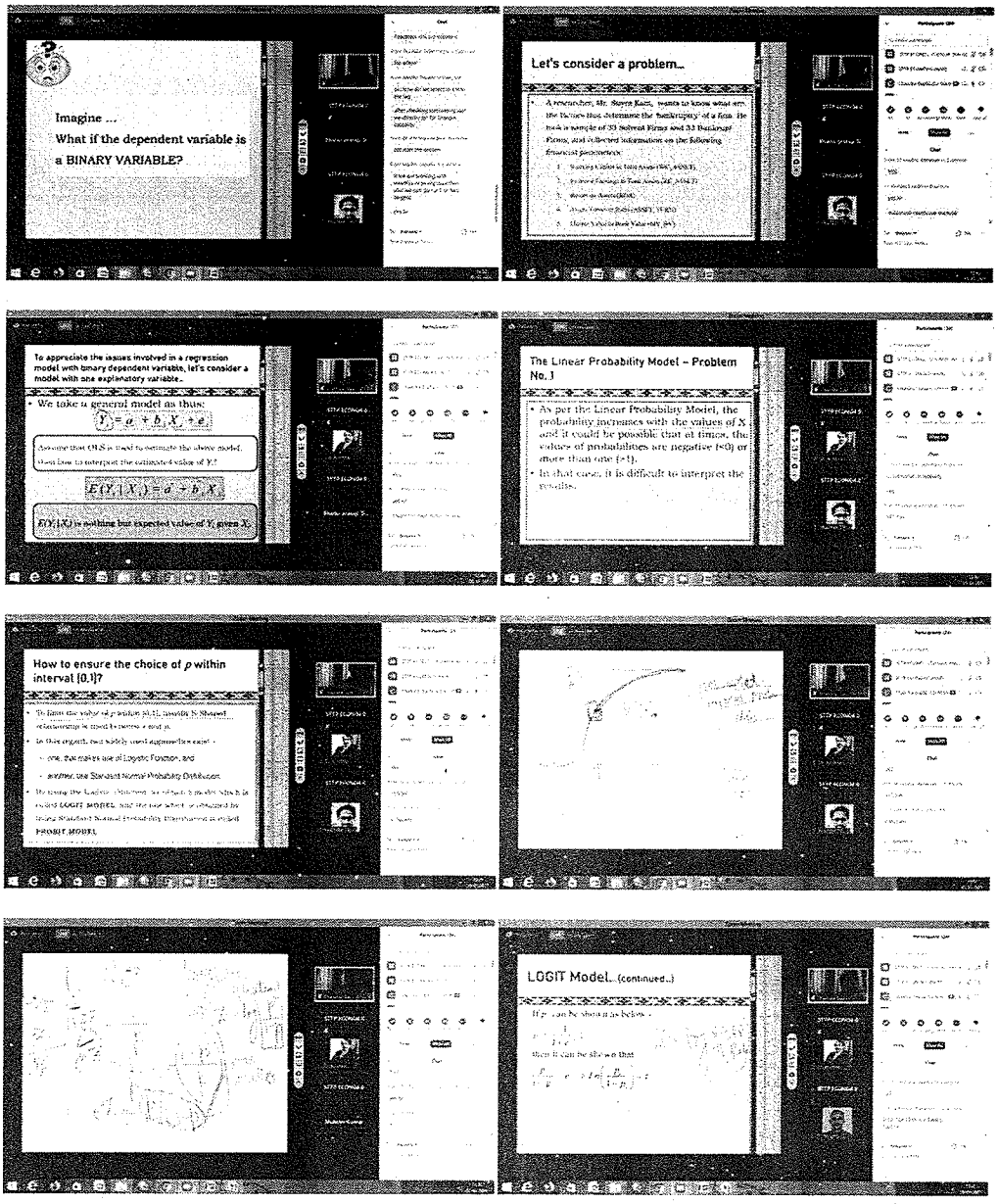
Day 5: 5 March 2021

Session: 2

Time: 12:00 p.m. to 1:30 p.m.

Speaker: Dr. C P Gupta



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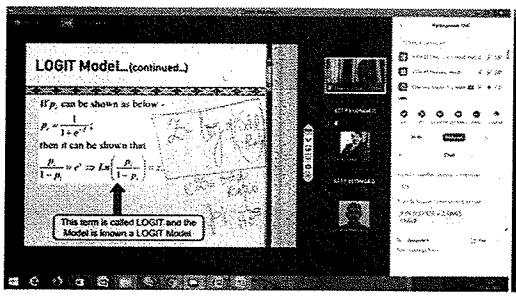

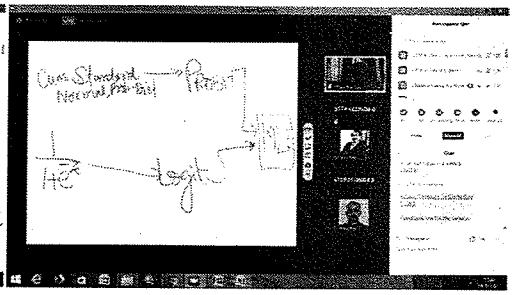

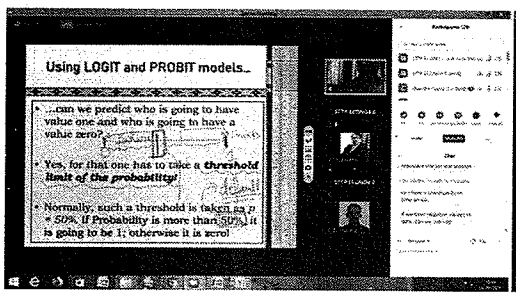

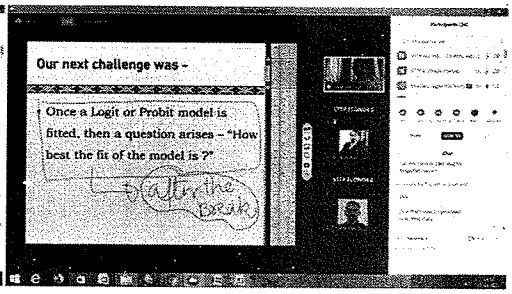

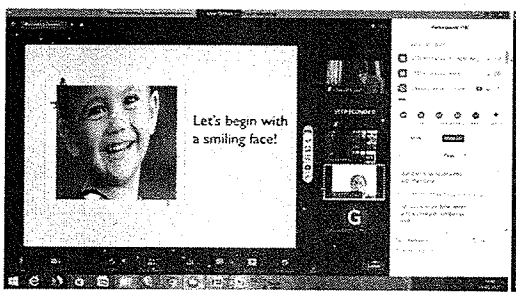

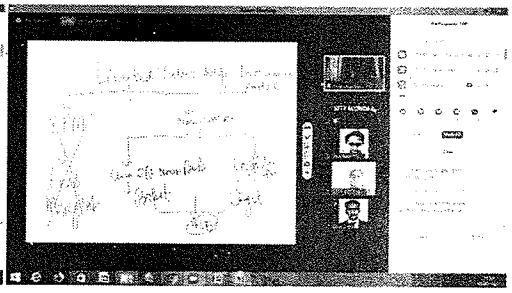

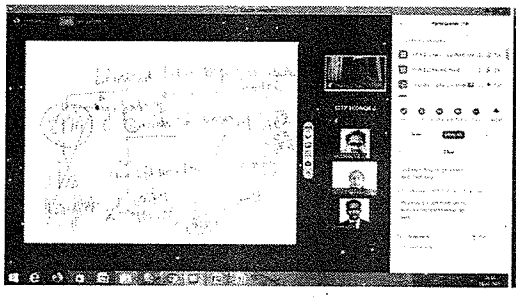

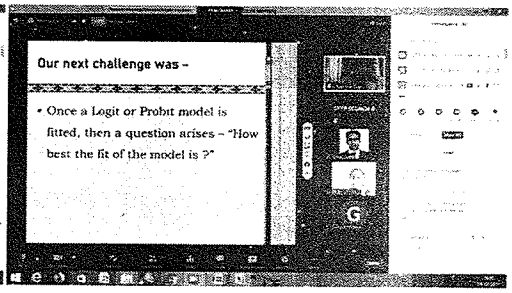

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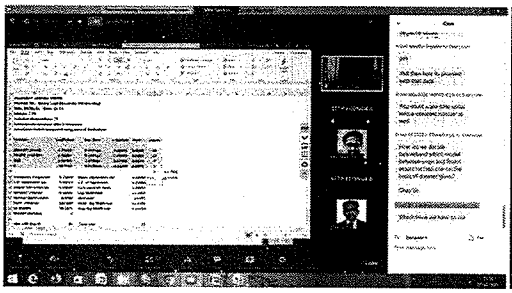
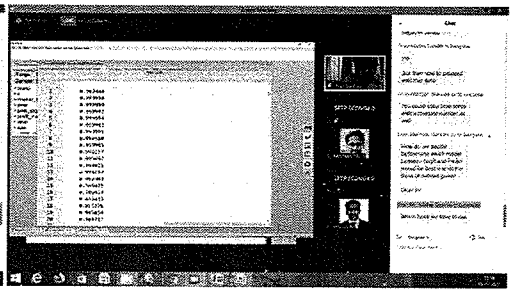
Day 5: 5 March 2021

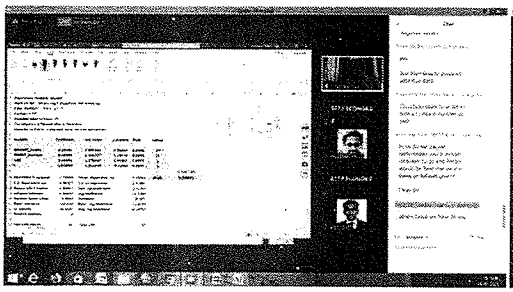
Session: 3

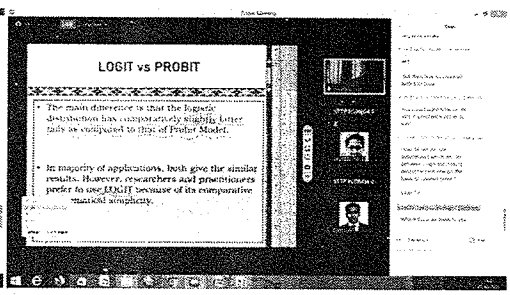
Time: 2:30 p.m. to 4:30 p.m.

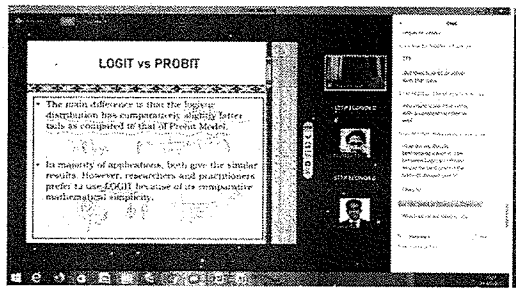
Speaker: Dr. C P Gupta

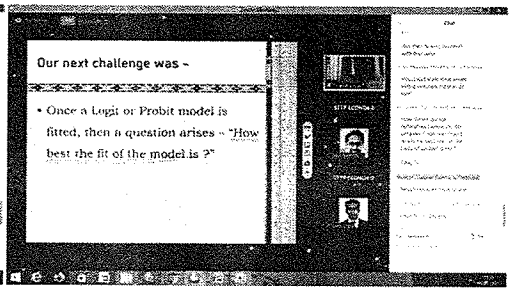


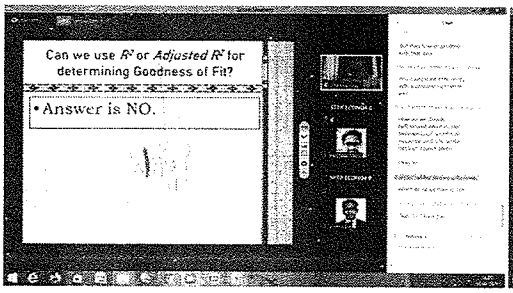


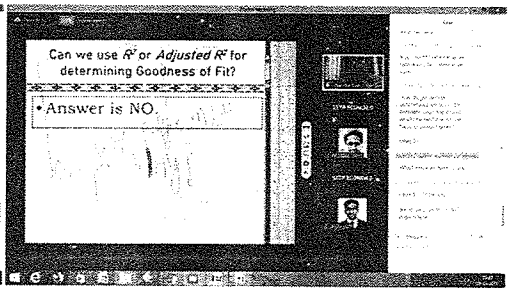












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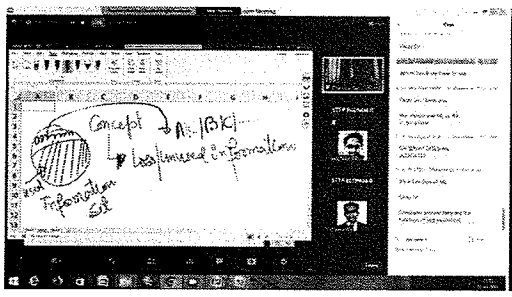

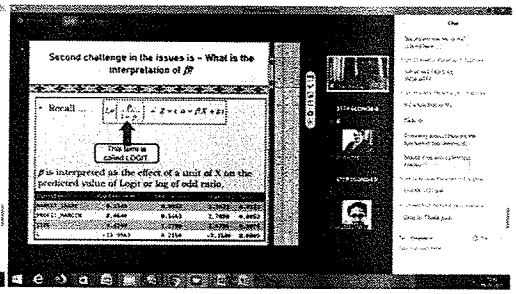

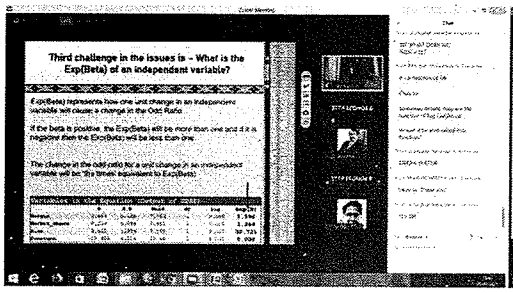

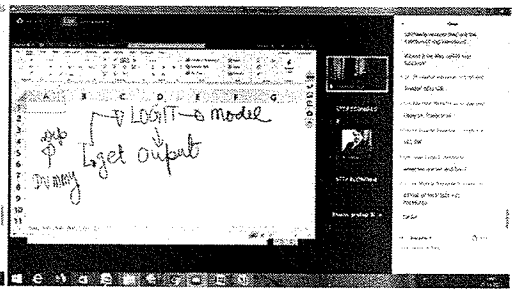

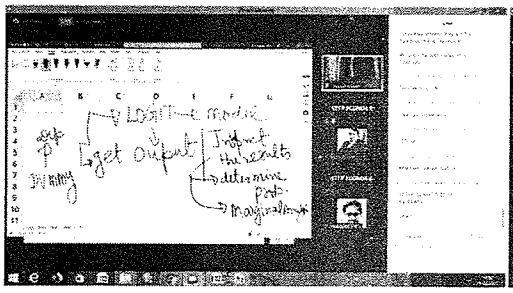

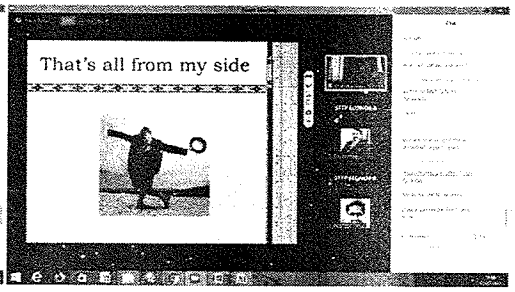

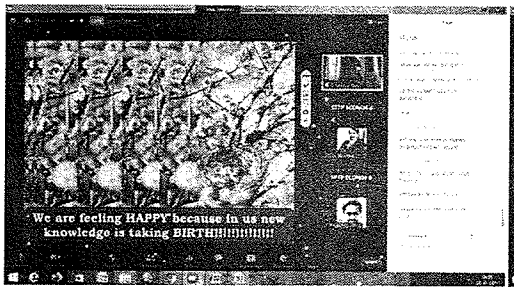

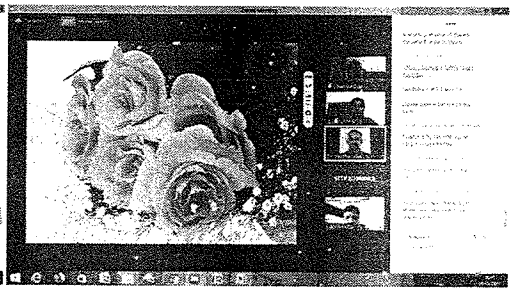

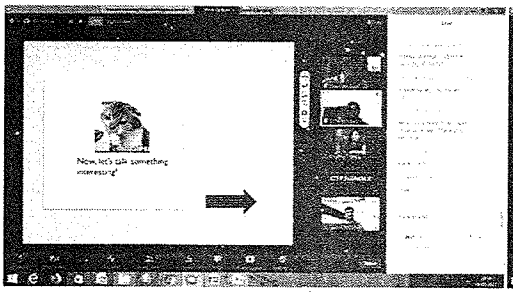

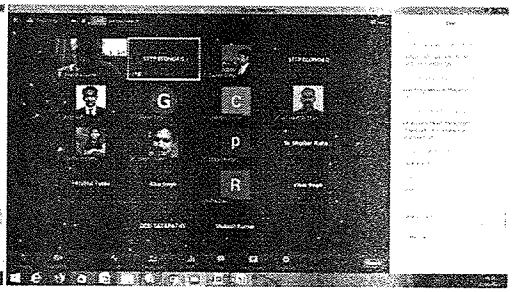

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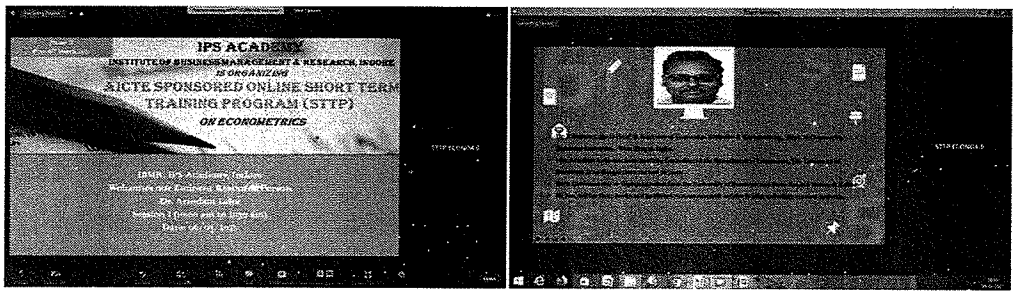
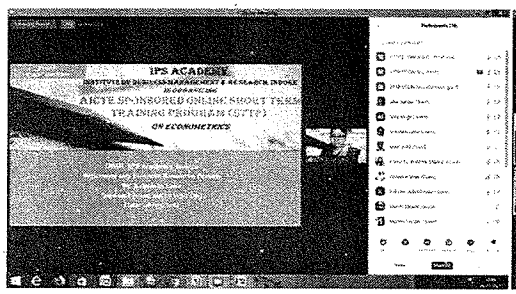
Day 6: 6 March 2021

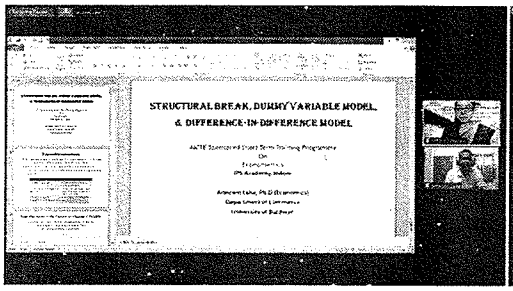
Session: 1

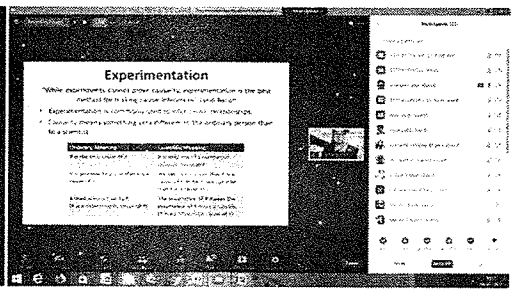
Time: 10:30 a.m. to 11:30 a.m.

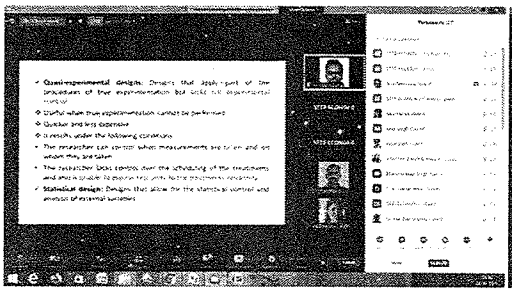
Speaker: Dr. Arindam Laha

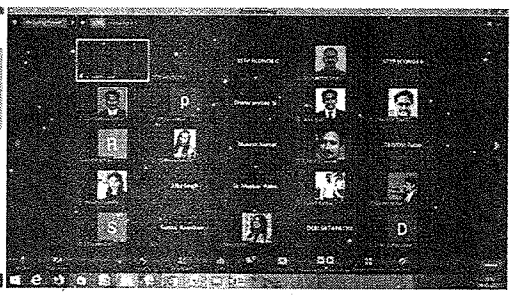












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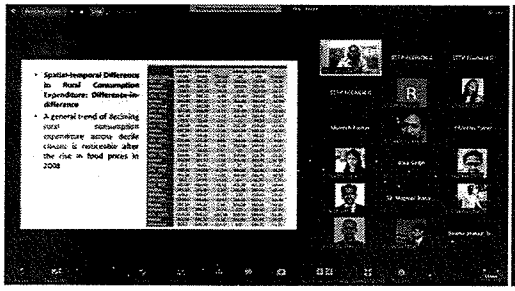
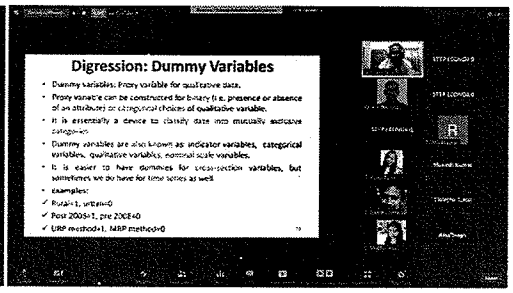
Day 6: 6 March 2021

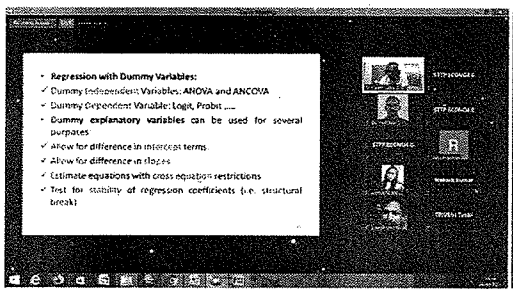
Session: 2

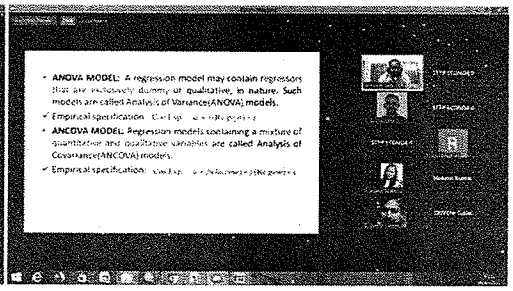
Time: 12:00 p.m. to 1:30 p.m.

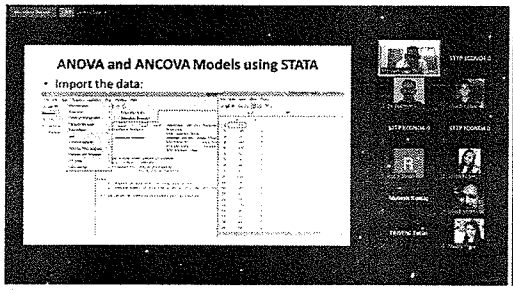
Speaker: Dr. Arindam Laha

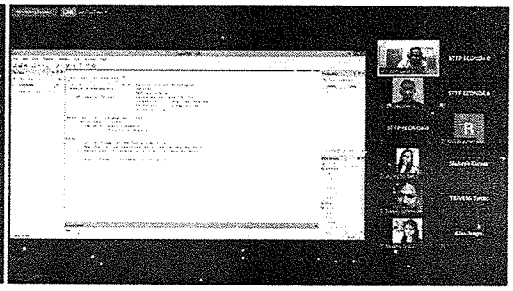


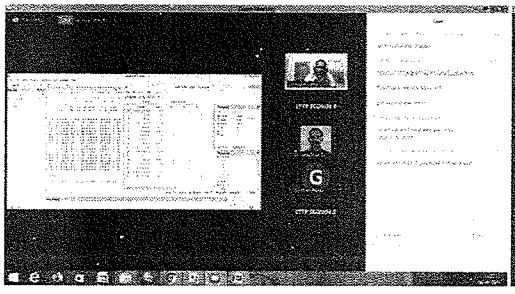


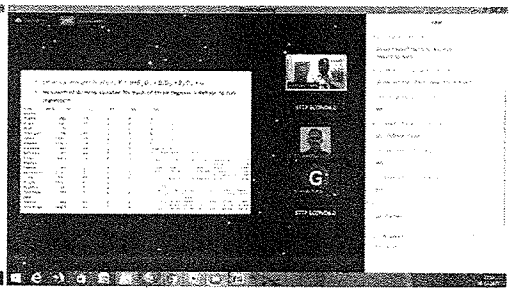












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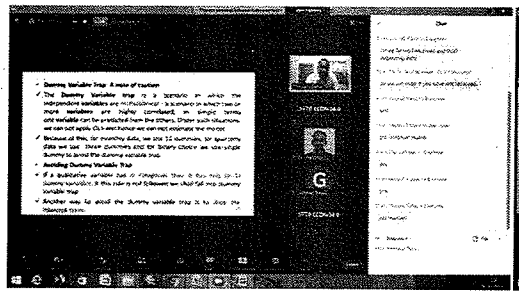

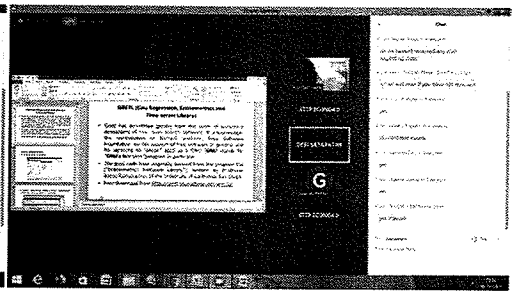

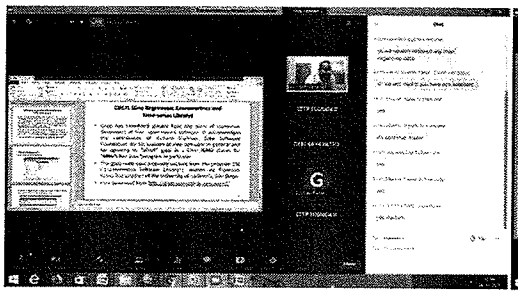

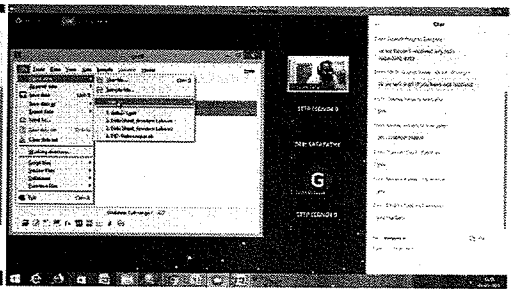

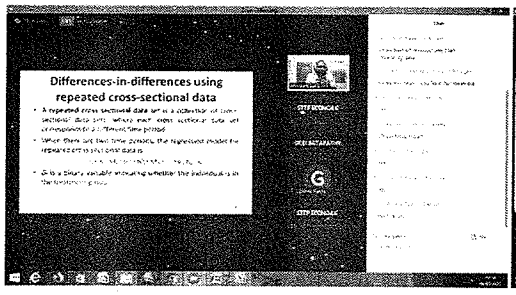

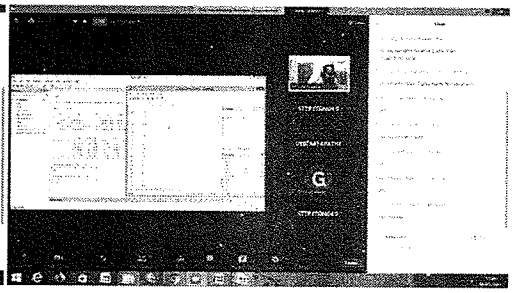

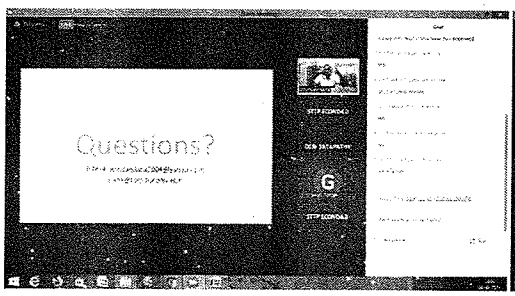

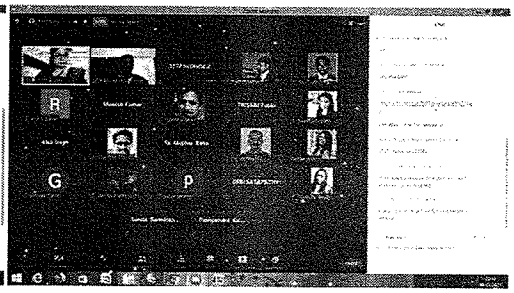

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