

Current activities of the department

SI No	Events in 2021-22	Remark
1	National Statistics Day observance	29/6/2021 Online intercollegiate Quizz and e-posters competition
2	OBE Lectures	6 sessions on various days As FDP
3	External Lectures given	Dr. Fareed – 2 Dr. Mini -2
4	Statistics Colloquium activities	3 + 2 due in Sept 2021 [Talk on Clinical trails, from DA to DS and Scientific writing using LaTeX, Time series and Enhancing employability via Communicative English]
5	Workshop done	2 (one in LaTeX & the other R)
6	International conference due- Funded by CSIR. New Delhi	4 th and 5 th October 2021 Statistical ML & Covid modelling
7	Placement survey	Completed
8	NCW – webinar, fund sanctioned	Conducted on 8 th November 2021

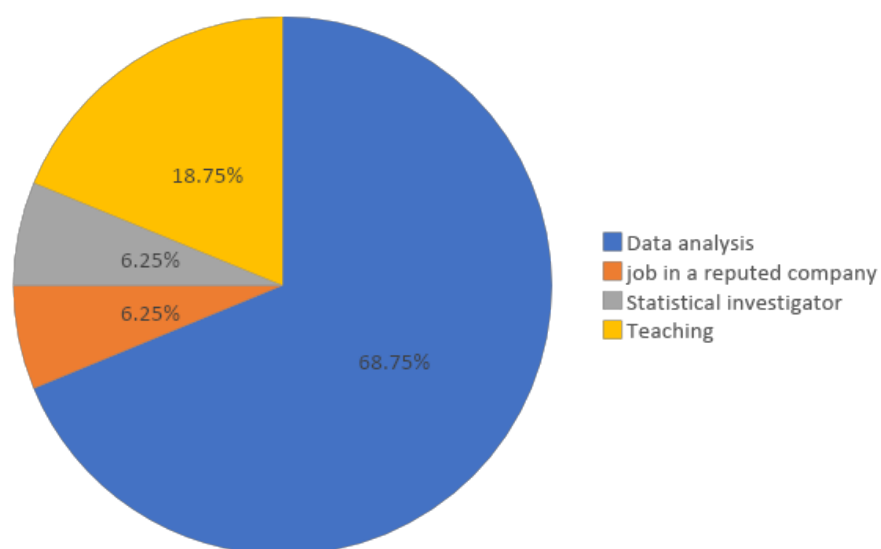
Details of Seminars/ Invited Talk / Workshop/ Conferences Planned

as Part of Colloquium, 2021-22

Date/Time & Occasion	Speaker	Affiliation	Title of Talk
29 th June 2021 12.30pm	Dr.PG Sankaran National Statistics Day, 2021	Pro Vice Chancellor, CUSAT, Kochi	World of Statistics -invited talk
6 th July 2021 10-11 am	Ms. Ashwini	Dept of Statistics, Helsinki, Finland	Biostatistics & its application to pharma – inaugural speech
6 th July 2021 11.30-12.30pm	Dr. Muhammad Fareed	Principal, WMO College, Muttill Wayanad	World of Data Analytics
29/7/2021 10am	Dr. K K Hamsa	Dept of Statistics Farook College Calicut	Workshop - LaTeX tool
10/9/2021	Dr. Krishna Rani	Farook College, Calicut	Time series
17/9/2021	Mr. Siddique & Ms. Shahina madam	WMO Arts & Science College	Communicative English
4 th ,5 th October International Conference on ML	Dept of Statistics	WMO College, Muttill Wayanad	Scientific sessions to be scheduled
8/11/2021	Dept of Statistics	WMO College, Muttill, Wayanad	Webinar sponsored by National Commission for Women
12/11/2021	Dr,Venkata Putcha	Statistics Consultant, UK	On Clinical trails and Pharma industry

Placement information

Career aspiration survey conducted by department gave the following results



Number of students doing internship – 6

Number of students placed - 4

The academic programs attended by faculty members outside college are:-

Sl no.	Hosted by college/university	Name of faculty member attended	Date & platform used	Topic
1	Govt Arts College, Kozhikkode	1. Dr. Mini TC 2. Madhusudanan K	29 th June 2021	Webinar on “The Art of Data Science”
2	Sree Krishna College of Arts and Science, Coimbatore	Dr. Mini TC	20/5/2021 to 25/5/2021 (5days)	Master Training on One student, one family – battle Covid
3	Providence Women’s College, Kozhikkode	1. Dr. Mini TC 2. Madhusudanan K	12/6/2021	National Seminar - on AI & ML

4	Providence Women's College, Kozhikkode	1.Dr. Mini TC 2. Madhusudanan K	19/8/2021	National Seminar -- NEP & the academic bank of credits
5	WMO management committee			INDUCTION PROGRAM for new faculty members
6	MES,Ponnani	1. Dr. Mini TC 2. Madhusudanan K	4/9/2021	National Education Policy – creation of academic banks

About the International Conference conducted in October, 2021

The Conference is an initiative to bring the concept of *Statistical Machine Learning* into the minds of researchers and postgraduate students. Statistical Machine Learning is a set of tools for understanding data. These tools broadly come under two classes: supervised learning & unsupervised learning. Machine learning helps in analysing the data as well as identifying trends. Thus, discover the patterns in the user data and make predictions for answering business questions and solving medical problems of Covid-19.

Subthemes:

- A. Hidden Markov Chain Model (HMM)
- B. Hierarchical Bayes model
- C. Long-short-term-memory model (LSTM)
- D. Mechanistic models based on SEIR (referring to Susceptible, Exposed, Infected, and Recovered states) framework or its modified version
- E. Time series prediction models such as ARIMA/Grey Model
- F. Agent type models (i.e. simulating individual activities for a population)
- G. Impact of Covid-19 vaccination in India

- H. General statistical modelling
- I. Artificial intelligence in COVID-19 drug discovery and development
- J. Big data in COVID-19 analysis
- K. Knowledge representation in COVID-19 analysis
- L. Pattern recognition in COVID-19 risk analysis
- M. Machine learning for COVID-19 tracking and prediction models
- N. Applications of the Internet of Things in healthcare
- O. Computer vision in COVID-19-related medical imaging

External & Internal academic program contributions by faculty members

Sl no.	External college/university where talk/webinar/meeting was given	Name of faculty member	Date & platform used	Topic
1	Govt Arts College, Kozhikkode	Dr.Fareed	29 th June 2021 Google meet	The Art of Data Science
2	WMO College	Dr.Fareed	6 th July 2021 Google meet	From Data Analytics to data Science
3	St John College, Dimapur, Nagaland	Dr.Mini TC	13 th July 2021 Google meet	Blended Learning concept
4	Pazhassiraja College, Pulappally, Wayand	Dr.Mini TC	4 th August 2021 Google meet	Golden Rules of Hypothesis Testing
	WMO Arts & Science College , Muttill, Wayand 1. Languages 2. Social Work, Mass Com, Economics, Commerce -SF 3. Sciences 4. Commerce -aided staff 5. CS -aided staff 6. Sciences – aided staff	Dr Mini TC	Google meet 21/6/2021 23/6/2021 25/6/2021 15/7/2021 19/7/2021 6/8/2021	FDP on OBE

