

The academic year 2021-22 of the department started with the commencement of classes for the I and III semester of the MSc programme. The department officially started the I semester of the MSc programme on 4<sup>th</sup> January 2021 and the III semester of the MSc programme on 2<sup>nd</sup> September 2020.

This annual report will provide an overview of the department's activities during the past year, including academic achievements, research accomplishments, and outreach efforts. This year we organized several programmes, including seminars, workshops, invited talks, exhibitions etc.

### **I. STUDENT STRENGTH.**

PROGRAMME	YEAR	STUDENT STRENGTH	Total
MSc Statistics	I Year	18	32 (MSc)
	II Year	14	
TOTAL STUDENTS			<b>32</b>

### **II. UNIVERSITY EXAMINATION RESULTS**

PROGRAMME	No of students attended the examination	No of students passed	Pass %
MSc Statistics	16	9	56%

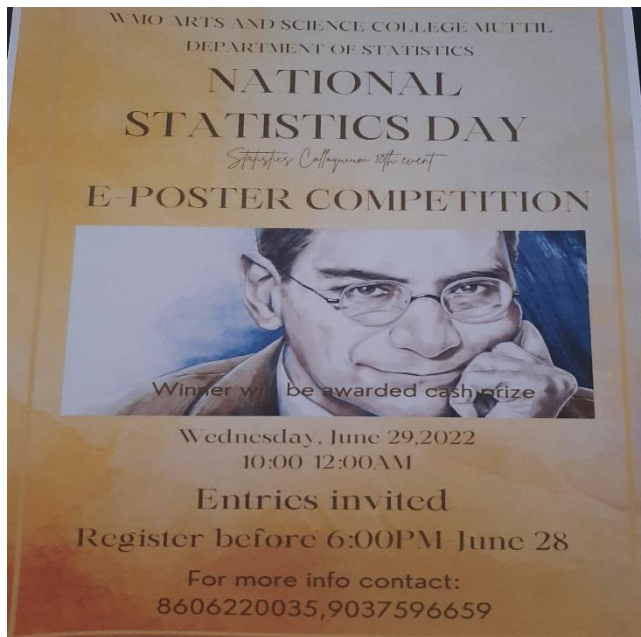
### **III. NEW APPOINTMENTS.**

Six faculty members are newly appointed in the department. The details are as under.

Sl.No:	Name	Designation	Remarks
1	Dr. Mini TC	Assistant Professor	
2	Madhusoodhanan K	Assistant Professor	
3	Raseena K	Assistant Professor	
4	Archana Maria Dominic	Assistant Professor	
5	Vihitha K	Assistant Professor	
6	Nihala P	Assistant Professor	

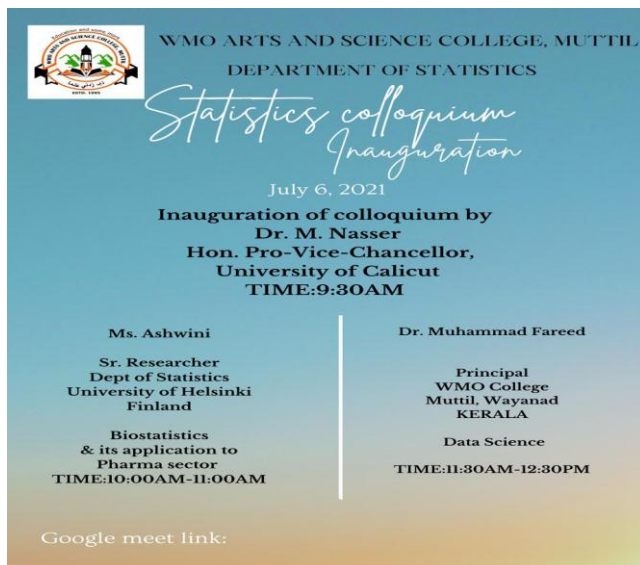
## IV. DEPARTMENTAL ACTIVITIES.

### 1. NATIONAL STATISTICS DAY



The statistics department arranged a webinar on National Statistics Day at 29<sup>th</sup> June 2021. The session was handled by Dr. P.G.Sankaran, Pro Vice Chancellor CUSAT. It was followed by competitions, quiz, e-poster.

### 2. STATISTICS COLLOQUIUM INAUGURATION



Statistics department organized an online formal inaugural session on 6<sup>th</sup> July 2021. It was inaugurated by Dr.M.Nasser, Hon.Pro-Vice-Chancellor, University of Calicut. Ms.Ashwini, Sr.Researcher, Dept of Statistics, University of Helsinki, Finland handled the session of “Biostatistics & its application to Pharma sector”.

### 3. WORKSHOP ON LATEX TOOLS



The Statistics department conducted an online workshop for LaTeX tools on 22<sup>nd</sup> July 2021. The session was handled by Dr.K.K.Hamsa. UG and PG students attended the programme.

### 4. COLLOQUIUM-TIME SERIES ANALYSIS



The Statistics department conducted an online statistical colloquium on the topic "Time series analysis" on 10<sup>th</sup> September 2021. The session was handled by Dr.Krishnarani S.D,HOD of statistics, Farook College.

## 5. COLLOQUIUM-TECHNICS TO IMPROVE COMMUNICATION SKILLS



WMO ARTS AND SCIENCE COLLEGE MUTTIL  
DEPARTMENT OF STATISTICS

*Statistical colloquium*

As part of statistical colloquium,  
department announces a Session  
on "Techniques to improve communication  
skills"

Invited talk by

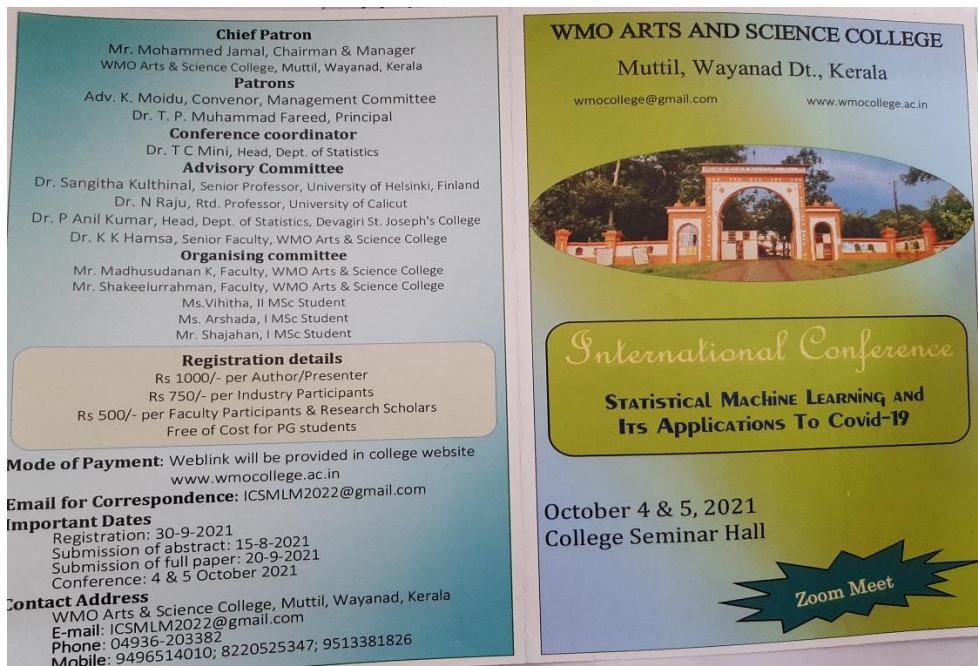
Mr. Siddique TS HOD Dept of English WMO college Muttill	Shaimina C Assistant professor Dept of English WMO college Muttill
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17th September 2021  
4:00PM

Google meet link:  
<https://meet.google.com/ecg-pzgp-qyy>

The Statistics department conducted an online statistical colloquium on the topic "Technics to improve communication skills" on 18<sup>th</sup> September 2021. The session was handled by Siddique and Shaheena, Department of English, WMO College.

## 6. INTERNATIONAL CONFERENCE ON MACHINE LEARNING & ITS APPLICATION TO COVID-19



**Chief Patron**  
Mr. Mohammed Jamal, Chairman & Manager  
WMO Arts & Science College, Muttill, Wayanad, Kerala

**Patrons**  
Adv. K. Moidu, Convenor, Management Committee  
Dr. T. P. Muhammad Fareed, Principal

**Conference coordinator**  
Dr. T C Mini, Head, Dept. of Statistics

**Advisory Committee**  
Dr. Sangitha Kulthinal, Senior Professor, University of Helsinki, Finland  
Dr. N Raju, Rtd. Professor, University of Calicut  
Dr. P Anil Kumar, Head, Dept. of Statistics, Devagiri St. Joseph's College  
Dr. K K Hamsa, Senior Faculty, WMO Arts & Science College

**Organising committee**  
Mr. Madhusudanan K, Faculty, WMO Arts & Science College  
Mr. Shakeelurrahman, Faculty, WMO Arts & Science College  
Ms. Vihitha, II MSc Student  
Ms. Arshada, I MSc Student  
Mr. Shajahan, I MSc Student

**Registration details**  
Rs 1000/- per Author/Presenter  
Rs 750/- per Industry Participants  
Rs 500/- per Faculty Participants & Research Scholars  
Free of Cost for PG students

**Mode of Payment:** Weblink will be provided in college website  
[www.wmocollege.ac.in](http://www.wmocollege.ac.in)

**Email for Correspondence:** [ICSMLM2022@gmail.com](mailto:ICSMLM2022@gmail.com)

**Important Dates**  
Registration: 30-9-2021  
Submission of abstract: 15-8-2021  
Submission of full paper: 20-9-2021  
Conference: 4 & 5 October 2021

**Contact Address**  
WMO Arts & Science College, Muttill, Wayanad, Kerala  
E-mail: [ICSMLM2022@gmail.com](mailto:ICSMLM2022@gmail.com)  
Phone: 04936-203382  
Mobile: 9496514010; 8220525347; 9513381826

WMO ARTS AND SCIENCE COLLEGE  
Muttill, Wayanad Dt., Kerala  
[wmocollege@gmail.com](mailto:wmocollege@gmail.com) [www.wmocollege.ac.in](http://www.wmocollege.ac.in)

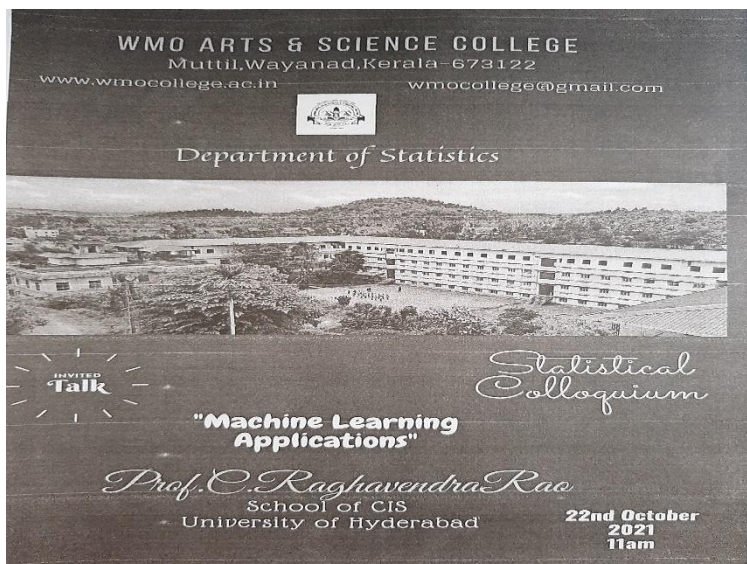
*International Conference*  
**STATISTICAL MACHINE LEARNING AND  
ITS APPLICATIONS TO COVID-19**

October 4 & 5, 2021  
College Seminar Hall

**Zoom Meet**

CSIR sponsored International Conference on Machine learning & its application to COVID-19 was conducted by Department of Statistics on 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> October 2021. It was inaugurated by Dr. Mubarak Passche, Honorable Vice Chancellor, Sree Narayana Guru Open University, Kollam. The seminar sessions were handled by the resource persons Dr. Madhuchanda Bhattacharya, Prof. Department of Statistics, Central University of Hyderabad and Dr. Bindhu Kannan, Assoc Prof. Govt Arts College, Kozhikode

7. COLLOQUIUM-MACHINE LEARNING APPLICATIONS



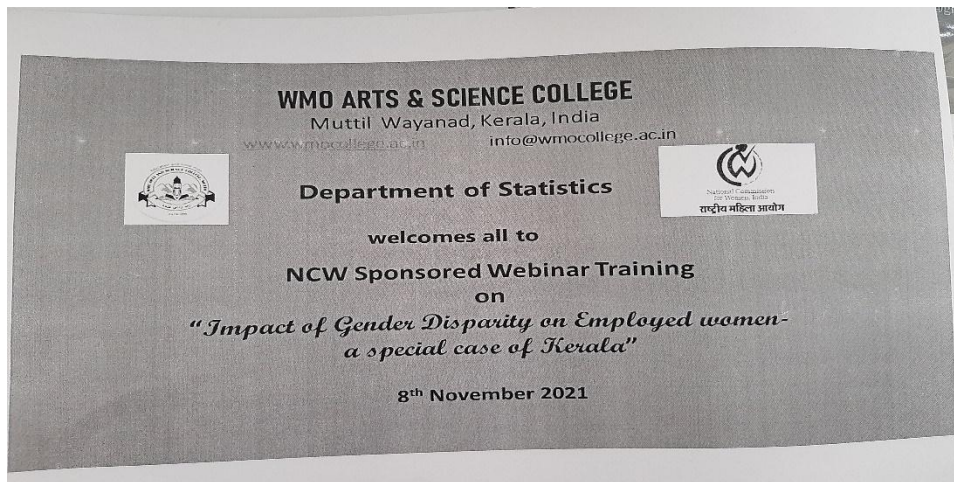
The Statistics department conducted an online statistical colloquium on the topic “Machine learning Applications” on 22<sup>nd</sup> October 2021. The session was handled by Dr. CR Rao, Department of Statistics, Central University of Hyderabad.

8. COLLOQUIUM-STATISTICAL METHODS IN DRUG DISCOVERY RESEARCH PRODUCTION AND PROCESS



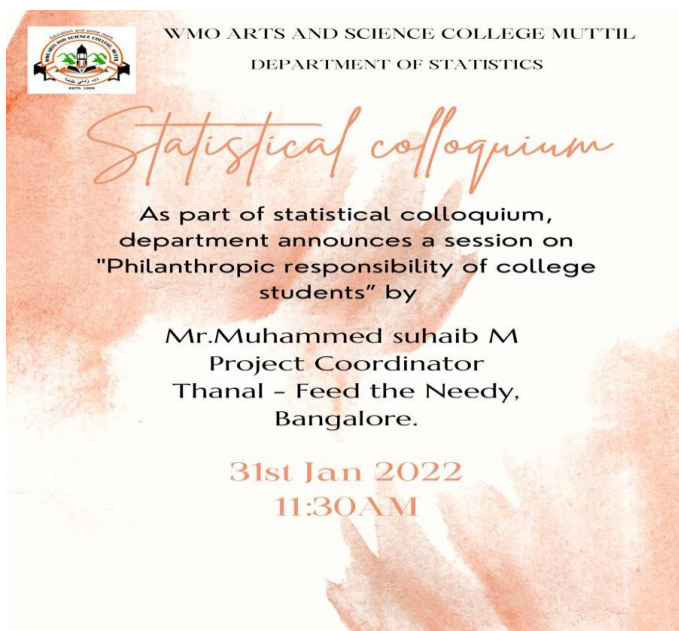
The Statistics department conducted an online statistical colloquium on the topic “Statistical methods in drug discovery research production and process” on 3<sup>rd</sup> November 2021. The session was handled by Dr. Venkata R.P. Putcha, Director and Consultant SRIV, UK.

## 9. WEBINAR ON IMPACT OF GENDER DISPARITY ON EMPLOYED WOMEN -A SPECIAL CASE OF KERALA



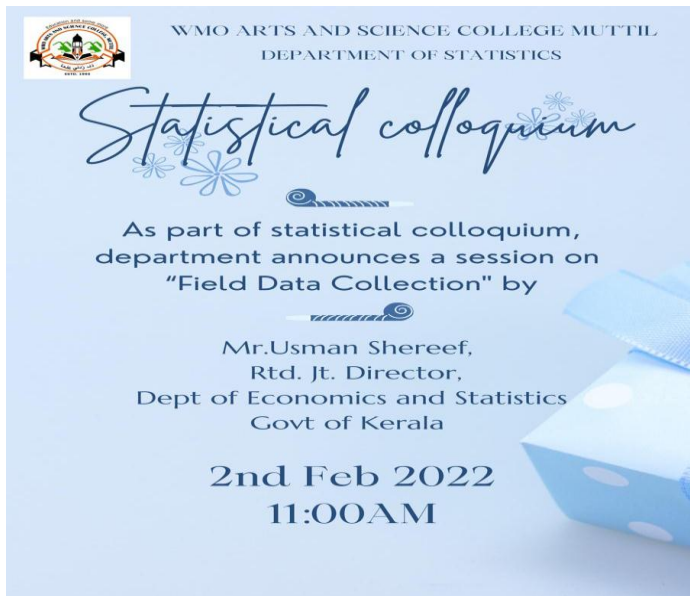
NCW Sponsored Webinar training on “Impact of gender disparity on employed women-a special case of Kerala” was conducted by the Statistics department on 8<sup>th</sup> November 2021. The webinar had three components like the inaugural session, training sessions and valedictory session respectively. It was inaugurated by Ms. Geetha IAS, District Collector, Wayanad.

## 10. COLLOQUIUM-PHILANTHROPIC RESPONSIBILITY OF COLLEGE STUDENTS



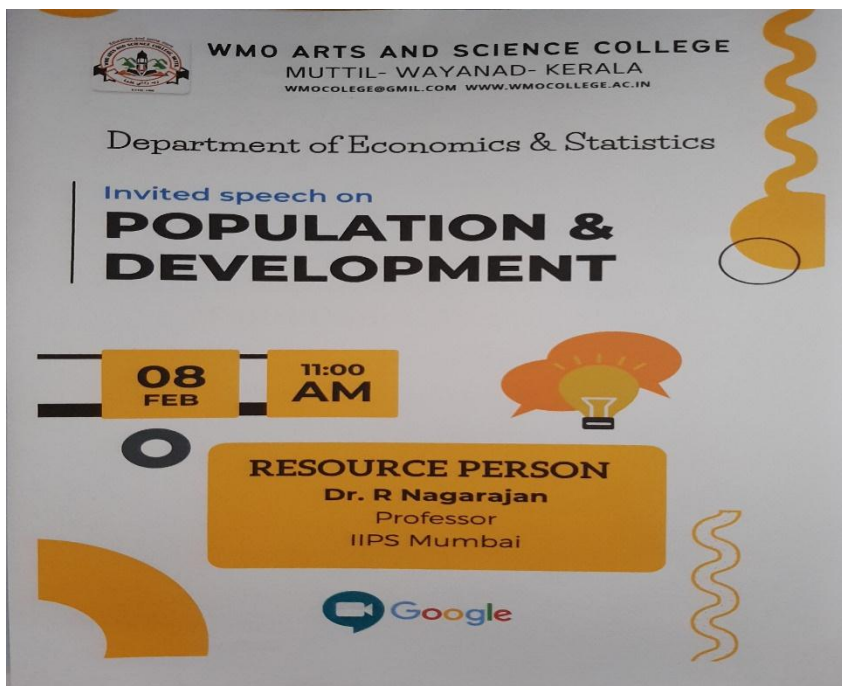
The Statistics department conducted an online statistical colloquium on the topic “Philanthropic responsibility of college students” on 31<sup>st</sup> January 2022. The session was handled by Mr. Muhammed Suhaib M, Project Coordinator, Thanal, Kozhikode.

## 11. COLLOQUIUM-FIELD DATA COLLECTION



The Statistics department conducted an online statistical colloquium on the topic “Field data collection” on 2<sup>nd</sup> February 2022. The session was handled by Mr. Usman Shereef, Rtd. Jt. Director, Department of Economics & Statistics.

## 12. COLLOQUIUM-POPULATION & DEVELOPMENT



The Statistics department conducted an online statistical colloquium on the topic “Population & Development” on 8<sup>th</sup> February 2022. The session was handled by Dr. R. Nagarajan, Prof. IIPS Mumbai.

## V. PAPER/ POSTER/ INVITED TALKS BY FACULTY:

- Dr.Fareed TP gave a webinar session on the topic “The Art of Data Science” on 29<sup>th</sup> June 2021 at Govt. Arts College, Kozhikode.

- Dr.Fareed TP gave a webinar session on the topic “From Data analytics to Data Science” on 6<sup>th</sup> July 2021 at WMO college.
- Dr.Mini TC gave a webinar session on the topic “Blended learning concept” on 13<sup>th</sup> July 2021 at St.John College, Dimapur, Nagaland.
- Dr.Mini TC gave a webinar session on the topic “Golden rules of hypothesis testing” on 4<sup>th</sup> August 2021 at Pazhassiraja College, Pulppally, Wayanad.
- Dr.Mini TC gave a webinar session on the topic “FDP on OBE” on 21<sup>st</sup> June, 23<sup>rd</sup> June, 25<sup>th</sup> June, 15<sup>th</sup> July, 19<sup>th</sup> July, 6<sup>th</sup> August 2021 at WMO College.
- Dr.Mini TC gave a webinar session on the topic “Blended learning concept” on 13<sup>th</sup> July 2021 at St.John College, Dimapur, Nagaland.
- Dr.Mini TC gave a webinar session on the topic “FDP on Blended learning” on September 2021 at St.John College, Kohima, Nagaland.
- Dr.Mini TC gave a webinar session on the topic “FDP on Education Statistics” on 16<sup>th</sup> November 2021 at St.John College, Dimapur, Nagaland.

## V.ACHIEVEMENTS OF STUDENTS:

- Msc student Vihitha K got 3<sup>rd</sup> rank in Calicut University with CGPA 4.47.
- Msc student Archana Maria Dominic got 4<sup>th</sup> rank in Calicut University with CGPA 4.46.

## VI. TEACHERS ATTENDED VARIOUS PROGRAMMES:

- Dr.Mini TC participated webinar on “The Art on Data Science” on 29<sup>th</sup> June 2021 at Govt.Arts College, Kozhikode.
- Dr.Mini TC participated “Master training on one student,one family-battle COVID” on 20<sup>th</sup> - 25<sup>th</sup> May 2021 at Sree Krishna College of Arts & Science, Coimbatore.
- Dr.Mini TC participated National Seminar-webinar mode-“Artificial Intelligence & Machine learning” on 12<sup>th</sup> June 2021 at Providence Women’s College, Kozhikode.
- Mr. Madhusoodhanan K participated National Seminar-webinar mode-“Artificial Intelligence & Machine learning” on 12<sup>th</sup> June 2021 at Providence Women’s College, Kozhikode.
- Dr.TP.Muhammed Fareed participated as resource person in 3 day National Workshop on “Field methods for Biological Research” on 9<sup>th</sup> -11<sup>th</sup> March 2022 at Kannur Unniversity,Mananthavady Campus, Wayanad.

## VII. POSITIONS HELD BY FACULTY MEMBERS

- **Mr.Madhusoodhanan K** is the HOD of Department of Statistics & Economics.
- **Mr.Madhusoodhanan K** is the Warden of Boys Hostel of the college.
- **Mr.Madhusoodhanan K** is member of the Basic amnesties cell of the college.
- **Mr.Madhusoodhanan K** is member of canteen committee.

## VIII. BEST PRACTICES

- The Department conducted the Statistical Colloquium sessions on various topics using eminent personalities.



- CSIR sponsored International Conference on Machine learning & its application to COVID-19 was conducted by Department of Statistics on 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> October 2021.
- NCW Sponsored Webinar training on “Impact of gender disparity on employed women-a special case of Kerala” was conducted by the Statistics department on 8<sup>th</sup> November 2021.

### **IX. CERTIFICATE COURSES**

- Certificate course on “Machine learning using Python” were given from 8<sup>th</sup> March 2022 to 30<sup>th</sup> March 2022. The course was handled by Mr.Chandrashekar.
- Certificate course on “Advanced programming in R” were given from 10<sup>th</sup> January 2022 to 28<sup>th</sup> January 2022. The course was handled by Mr.Madhusoodhanan K.
- Certificate course on “Statistical tools using Excel” were given from 7<sup>th</sup> February 2022 to 25<sup>th</sup> February 2022. The course was handled by Mr.Madhusoodhanan K.

### **X. BRIDGE COURSES**

- Preparatory courses in statistics and mathematics-Statistics Department introduced a bridge course on “Preparatory course in statistics and mathematics” for the first year students of MSc.statistics. This course was designed with the purpose of introducing the principles and basics of statistics and mathematics to the newly admitted students.
- R programming-Statistics Department conducted a bridge course on “R programming” for the first year students of MSc.Statistics. The course was designed to develop basic knowledge of R programming.