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HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

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Report on 2 Days Workshop on Statistical Analysis and Data Handling in Bioscience Research using MS-Excel and Statistical Package

Date: 25th and 26th July, 2023

About the workshop

A 2 days' workshop on "Statistical Analysis and Data Handling in Bioscience Research using MS-Excel and Statistical Package" was organized by the Department of Botany, Holy Cross College, Lembucherra, Agartala, India on 25th and 26th July, 2023. This workshop was arranged to serve the objectives of using statistical tools in writing several research papers and calculating several data during project works in Bioscience.

Trainer's Profile

The training member was Dr. Samrat Hore, Head I/C, Department of Statistics, Tripura University, Tripura, India. Dr. Hore is a highly professional and skilled Person. He is also a Life Member of Calcutta Statistical Association, International India Statistical Association and Indian Society for Medical Statistics.

Organizing Team

The members of the organizing Team are Principal Father Dr. Benny K. John, CSC, Vice Principal Father Joe Paul, CSC, Dr. Dipanwita Chaudhuri Sil, HOD, Department of Botany, Dr. Debasree Lodh, Dr. Somnath Kar and Dr. Sudipta Sinha, Assistant Professor, Department of Botany, Holy Cross College, Lembucherra, Agartala, India.

Participants

The participants comprise of a large number of students from Department of Botany, B.Sc. General, Zoology and Human Physiology, Holy Cross College Lembucherra, Agartala, India.

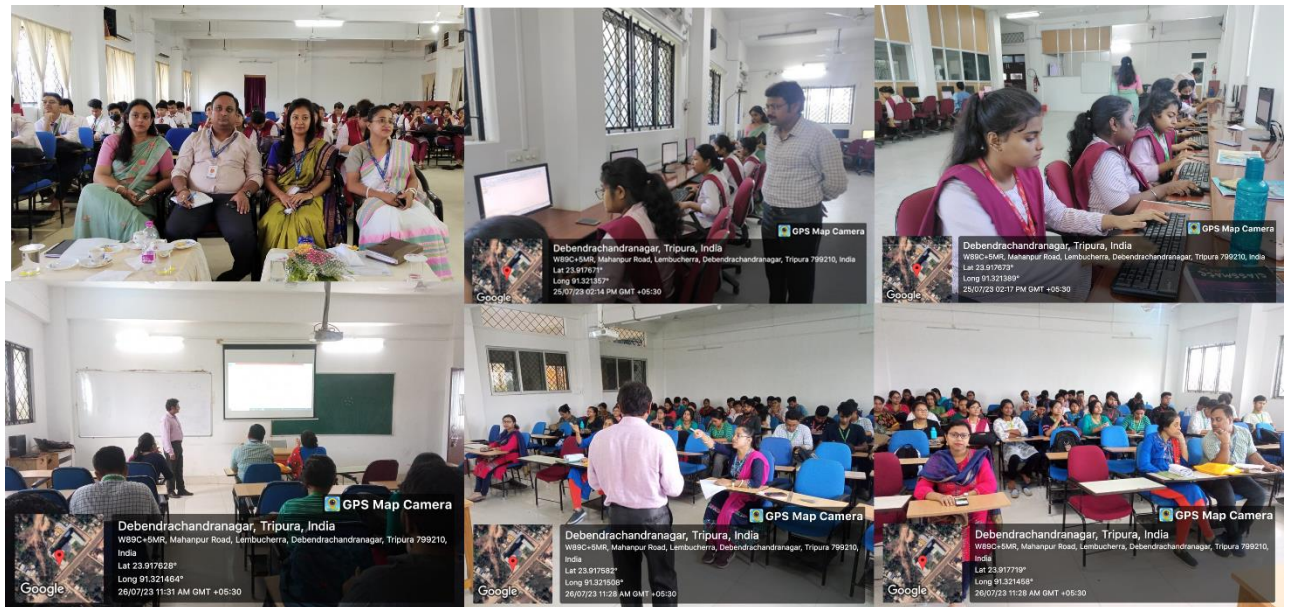
Outcome from the workshop


On first day the program commenced with a welcome address by Dr. Benny K. John, CSC, Principal, Holy Cross College. Then with an introductory speech by Dr. Dipanwita Chaudhuri Sil, HOD, Department of Botany, Holy Cross College. An addressal speech about the workshop was given by Dr. Samrat Hore. The inaugural session was ended by vote of thanks by Dr. Somnath Kar, Assistant Professor, Department of Botany, Holy Cross College

After the end of inaugural session Dr. Samrat Hore presented in short the importance's of study of statistical Science. With the start of the first technical session Dr. Hore gave a profound insight of how, why and when statistical formulas are used in writing scientific articles. Dr. Hore also gave live examples of using statistical analytic methods in various fields of works. Not only in writing scientific articles but also how statistical analysis is used in offices, schools and several other places.

The second technical session was arranged in the computer Lab. This was a highly informative session where all the students were shown practically in the computers how to analyse statistical data using Microsoft excel. Dr. Hore demonstrated them the use of several statistical formula using excel. After that the students were allowed to calculate some random data's to comprehend properly the use of Statistical formulas.

On the second day of the workshop Dr. Hore started the session with informative PowerPoint presentation. The presentation was extremely valuable. Dr. Hore clearly demonstrated the use of a statistical programming tool i.e., R programming tool. The use of R programming to analyze several statistical data was comparatively easier and also large range of data can be calculated. In both the session the student's participation was highly noticeable. On this special workshop they were benefited to know the use of statistical analysis not only in their studies but also how these are used in official works also. Students were also able to gather a lot of essential information's concerning future scenarios as basic statistical concepts help biologists correctly prepare experiments, verify conclusions and properly interpret results.




 31. 07. 2023
HEAD
 Department of Botany,
 HOLY CROSS COLLEGE, AGARTALA



2 DAYS WORKSHOP ON
STATISTICAL ANALYSIS AND DATA HANDLING IN
BIOSCIENCE RESEARCH USING MS-EXCEL AND
STATISTICAL PACKAGE

Date: 25th & 26th July, 2023 | Time: 11.00 am

Organised by
Department of Botany
Holy Cross College, Agartala

Accredited by NAAC with 'A+' Grade (Cycle 2)

Resource Person

Dr. Samrat Hore

Head (I/C), Department of Statistics
Tripura University, Suryamaninagar



HOLY CROSS COLLEGE, AGARTALA

Accredited by NAAC with 'A+' Grade (Cycle:02)



Certificate of Appreciation

This is to Certify that

Dr. Samrat Hore

Head (I/C), Department of Statistics, Tripura University, Suryamaninagar
has been the Resource Person at the

2 days Workshop on

**STATISTICAL ANALYSIS AND DATA HANDLING IN BIOSCIENCE RESEARCH
USING MS-EXCEL AND STATISTICAL PACKAGE**

organised by Dept. of Botany, HCC

on 25th & 26th July, 2023

Dr. Fr. Benny K John, CSC

Principal
Holy Cross College

Attendance Sheet

Date - 25/07/2023

Sl. No.	Full Name	Department	Signature
1	Naimur Nahar	BSc (general)	Naimur Nahar
2	Abir Bhattacharya	Bot (Hon) 4th Sem	Abir Bhattacharya
3	Ritripta Sen	BSc (general) 4th Sem	Ritripta Sen
4	Sayan Chakraborty	B.Sc (general) 4th Sem	Sayan Chakraborty
5	Disha Chakraborty	Hphy - (Hon.) 4th Sem	Disha Chakraborty
6	Sanjana Sen	H. phy (Hon.) 4th Sem	Sanjana Sen
7	Arghamita Baidya	Bot - (Hon.) 2nd Sem	Arghamita Baidya
8	Saptadeep Talukdar	Bot. (Hons.) 4th Sem	Saptadeep Talukdar
9	Antrina Debbarma	Bot. (HONS) 4th Sem	Antrina Debbarma
10	Neha Sinha	Botany (Hons.) 4th Semester	Neha Sinha
11	Sindrita Debbarma	Botany (Hons.) 4th Sem	Sindrita Debbarma
12	Ankita Choudhury	Botany (Hons.) 4th Sem	ANKITA CHOUDHURY
13	Naiphang Debbarma	Bot Hon. (2nd Sem)	Naiphang
14	Ayush Debbarma	Bot. Hon (2nd Sem)	Ayush Debbarma
15	Biplab Debbarma	Bot. Hon (2nd Sem)	Biplab Debbarma
16	August Debbarma	Bot. Hon (2nd Sem)	August Debbarma
17	Jushel Debbarma	Bot. Hon (2nd Sem)	Jushel Debbarma
18	Chumui Debbarma	Bot. Hon (2nd Sem)	Chumui Debbarma
19	Boyar Debbarma	Bot. Hon. (2nd Sem)	Boyar Debbarma
20	Sand Debbarma	Bot. Hon. (2nd Sem)	Sand Debbarma
21	Ezekiel Debbarma	Bot. Hon (2nd Sem)	Ezekiel Debbarma
22	Rajib Debbarma	Bot Hon (4th Sem)	Rajib Debbarma

Attendance Sheet

Date - 25/07/2023

<u>Sl No.</u>	<u>Full Name</u>	<u>Department</u>	<u>Signature</u>
23.	Zullius Debbarna	Bot (H) 4th sem	Zullius Debbarna
24.	Ranict Debbarna	Bot (H) 4th Sem	Ranict Debbarna
25.	Amish Debbarna	Bot (H) 4th sem	Amish Debbarna.
26.	Vishal Kumar	Bot (H) 4th Sem	Vishal Kumar
27.	Bishal Mondra Singh	Bsc Gen 4th sem	Bishal Mondra Singh
28.	Hamari Jamatia	Bot (H) 2nd sem	Hamari Jamatia
29.	Hambata Debbarna	Bot (H) 2nd sem	Hambata Debbarna
30.	Regal Shree Debbarna.	Bsc (Gen) 2nd sem	Regal Shree Debbarna.
31.	Himani Chakma	Bot (H) 2nd sem	Himani Chakma
32.	Rosemita Reang	Bot (H) 2nd sem	Rosemita Reang
33.	Srayesha Reang	Bot (H) 2nd sem	Srayesha Reang
34.	Hamari Debbarna	Bot (H) 2nd Sem	Hamari Debbarna
35.	Amsita Debbarna	Bot (H) 2nd sem	Amsita Debbarna
36.	Selina Singh	Bot (H) 2nd sem	Selina Singh
37.	Nelva Debnath	Bot (H) 2nd sem	Nelva Debnath.
38.	Debnata Debbarna	Bot (H) 2nd sem	Debnata Debbarna
39.	Jagriti Dhar	Bot (H) 2nd sem	Jagriti Dhar.
40.	Reshmi Roy	H. PHY (H) 4th Sem	Reshmi Roy
41.	Debnata Datta	H. phy (H) 4th Sem	Debnata Datta
42.	Saptarni Nath	H. phy (H) 4th sem	Saptarni Nath
43.	Pankui Debbarna	ZOO (H) 4th sem	Pankui D/B
44.	Rinku Nath	Bot (H) 4th sem	Rinku Nath

Attendance SheetDate - 25/07/2023

<u>Sl No.</u>	<u>Full Name</u>	<u>Department</u>	<u>Signature</u>
45.	Pohor DebBarma	H. Phy (H), 4th Sem	Pohor DebBarma
46	Rajat Debnoti	Zoology (H), 4th	Rajat Debnoti
47	Rajat Debnoti		Rajat Debnoti
48	Parag Saha	Zoology (H), 4th	Parag Saha
49.	Snehendu Bhowmik	Zoology (H), 4th	Snehendu Bhowmik
50.	Swati Majumder	Zoology (H), 4th Sem	Swati Majumder
51.	Shwetab Choudhury	Zoology (H), 1st Sem	Shwetab Choudhury
52	Eshika Dey	Zoology (H), 1st Sem	Eshika Dey
53.	Baishali Bhattacharjee	Zoology (H), 4th sem	Baishali Bhattacharjee
54	Bocholong Debbarma	Bsc (General), 6th sem	Bocholong Debbarma
55.	Siyari Jamilia	B.Sc (Gen) 6th sem	Siyari Jmt.
56.	Sapratik Debbarma	B.Sc (Gen) 6th sem	Sapratik Debbarma
57.	Ajay Saha	B.Sc (Gen) 2nd sem	Ajay Saha
58.	Md Uday Khadim	B.Sc (Gen) 2nd sem	Uday Khadim
59.	Sushmeeta Subrahman.	Bot (H) 2nd Sem	Sushmeeta

Workshop on Statistics .

Attendance Sheet . (Day-2)

26/7/23.

Sl.No.	Full name .	Department	Signature .
1	August Debbarma	Bot (H) 2 nd sem	<u>August</u>
2	Jushel Debbarma	Bot (H) 2 nd sem	Jushel Debbarma
3	Biplab Debbarma	Bot (H) 2 nd sem	Biplab Debbarma
4	Sanel Debbarma	Bot (H) 2 nd sem	Sanel Debbarma
5	Erusiel Debbarma	Bot (H) 2 nd sem	Erusiel Debbarma
6	Bishal moysang	Bot (H) 2 nd sem	Bishal moysang
7	Anwesha Das	Bsc Gen 4 th sem	Anwesha Das
8	Ankita choudhury	Bot (H) 4 th	Ankita choudhury
9	Aijel Debbarma	Zoo (H) , 2 nd	Aijel Debbarma
10	Debjani Deattacharya	Zoo (H) , 2 nd	Debjani Deattacharya
11	Shreeta Baidya	Zoo (H) , 2 nd	Shreeta Baidya
12	Pratiksha Deb.	Zoo (H) , 2 nd	Pratiksha Deb.
13	Akash Paul .	Zoo (H) , 2 nd	Akash Paul .
14	Ankita saha	Zoo (H) 2 nd	Ankita saha
15	Bidushi Datta	Zoo (H) 2 nd	Bidushi Datta
16	Preapti Roy	Zoo (H) 2 nd	Preapti Roy
17	Srija majumder	Zoo (H) 2 nd	Srija majumder

Workshop on Statistics (2nd Day)
 Attendance Sheet

26/7/23.

Sl. No.	Name of the Student.	Department.	Signature.
1.	Jagriti Dhar	Botany (2nd)	Jagriti Dhar
2.	Neha Debnath	Botany (2nd)	Neha Debnath.
3.	Selina Singh	Botany (2nd)	Selina Singh.
4.	Naimur Nayan	BSC (gen) 6 th	Naimur Nayan
5.	Neha Sinha	Botany (4 th semester)	Neha Sinha
6.	Susmita Debbasana	Botany (2nd sem)	Susmita Debbasana
7.	Amrita Debbasna	Botany (2 nd Sem)	Amrita Debbasna
8.	Hamari Jamatia	Botany (2 nd sem)	Hamari Jamatia
9.	Hambora Debbasna	Botany (2 nd sem)	Hambora Debbasna
10.	Sushruba Sutradhar.	Botany (2 nd sem)	Sushruba Sutradhar.
11.	Anghamita Baidya	Botany (2 nd Sem)	Anghamita Baidya.
12.	Deepanur Datta.	H.Phy (4 th Sem)	Deepanur Datta.
13.	Sindriya Debbasna	Botany (4 th Sem)	Sindriya Debbasna
14.	Rajib Debbasna	Botany (4 th Sem)	Rajib Debbasna
15.	Hilal Chakraborty.	Botany (4 th Sem)	Hilal Chakraborty
16.	Sapta deep Talukdar		
16.	Sapta deep Talukdar	Bot (Hons.) 4 th Sem.	Sapta deep Talukdar
17.	Abin Bhattacharyee	Bot (Hons) 4 th Sem.	Abin Bhattacharyee
18.	Sayan Chakraborty	B.Sc Chem) 4 th Sem	Sayan Chakraborty
19.	Priyanka Das	B.sc (Gen) 4 th sem	Priyanka Das.
20.	Anirban Bose	B.sc (Gen) 4 th sem	Anirban Bose.