

Department of Zoology
Holy Cross College, Agartala

No.F2/HCC//ZOO./Nov/2024/01

14.11.2024

To

The Principal,
Holy Cross College, Agartala.

Subject: Permission for organizing a Workshop on '**Wings of Inquiry: A Beginner's Guide to Butterfly Research Methodology**' by department of Zoology, in collaboration with College Biotech Club and IQAC, HCC.

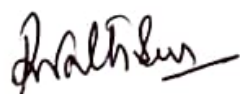
Respected Father,

This is to let you know that Department of Zoology, Holy Cross College, Agartala in collaboration with College Biotech Club and IQAC, Holy Cross College, Agartala, is planning to organize a **Three Days Workshop** on '**Wings of Inquiry: A Beginner's Guide to Butterfly Research Methodology**' from 27th to 29th November 2024.

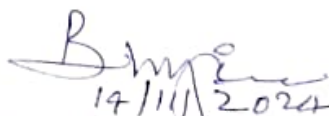
In this regard we request you to kindly grant us permission for organizing the same.

Yours sincerely,

Approved by



Dr. Rumki Nath Sen
Head, department of Zoology,
Holy Cross College, Agartala


14/11/2024

Dr. Fr. Benny K. John, CSC
Principal,
Holy Cross College, Agartala.
PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA



**Three Days Workshop
on
'Wings of Inquiry:
A Beginners Guide to Butterfly
Research Methodology'**



Organized by

The Department of Zoology,
Holy Cross College, Agartala
in collaboration with
IQAC, HCC & College Biotech Club

Sponsored by

Directorate of Biotechnology, Govt. of Tripura

Date: 27th to 29th November 2024
Venue: HCC Conference Hall (F1-08)

Resource Persons



Dr. Animesh Dey

Asst. Professor, Department of Zoology
Tripura University (A Central University), Suryamaninagar



Dr. Joydeb Majumder

Consultant (Monitoring & Evaluation), Deloitte Touche Tohmatsu, India, LLP
(Former Program Manager, Biodiversity Conservation, Jica Project,
Dept. of Forest, Govt. of Tripura)

Organizing Committee

Dr. Parichita Ray Choudhury - Convener

Dr. Rumki Nath Sen - Joint Convener

Members

Dr. Subhalaxmi Bhattacharjee

Ms. Piyashi Das

Ms. Jeni Debbarma

Registration

On first come first serve basis
(seat capacity 60)

Click Here
TO **REGISTER** 

Key Focus of the Workshop

- Introductory concept of Ecology and Biodiversity
- Different types of statistical data and methods of collection
- Analysis and interpretation of Statistical data (with hands on sessions)
- Biodiversity indices and their application in research work
- Preliminary guide to insect taxonomy with special reference to butterfly
- Methods of insect collection, preservation and documentation
- Field sampling techniques of butterflies
- Different aspects of butterfly biology



Three Days Workshop on “Wings of Inquiry: A Beginners guide to Butterfly Research Methodology”

Organized by

The Department of Zoology, Holy Cross College, Agartala in collaboration with College Biotech club

&

IQAC, Holy Cross College, Agartala

(Sponsored by Directorate of Biotechnology, Govt. of Tripura)

Date: 27th to 29th November 2024

Venue: HCC Conference Hall(F1-08)

Resource Persons

Dr. Animesh Dey

Asst. Professor, Ecology and Biodiversity Laboratory, Department of Zoology,
Tripura University (A central University), Suryamaninagar

Dr. Joydeb Majumder

Consultant (Monitoring & Evaluation), Deloitte Touche Tohmatsu, India. LLP (Former
Program Manager, Biodiversity Conservation, JICA Project, Dept. of Forest,
Government of Tripura)

Program Schedule

Day 1 (Date 27th November, 2024)

Sl.	Program	Time
1	Registration and kit distribution	9:15 am onwards
	Inauguration Session	10:00 am onwards
2	Welcome address by Principal, Holy Cross College, Agartala	10:05 am to 10:15 am
3	Felicitation of resource person	10:15 am to 10:20 am
4	Introduction to the workshop by IQAC Coordinator, Holy Cross College, Agartala	10:20 am to 10:30 am
5	Technical session one Speaker: Dr. Parichita Ray Choudhury Pl. College Biotech Club Project, Asst. Professor, Department of Zoology, HCC, Agartala Topic: The importance of butterfly research in changing world	10:30 am to 11:00 am
6	Snack break	11:00 am to 11:15 am
7	Visit to Butterfly Park of Holy Cross College campus, Agartala and practical demonstration.	11:15 am to 12:30 pm

Day 2 (Date 28th November, 2024)

Sl.	Program	Time
1	Technical session two Speaker: Dr. Animesh Dey Asst. Professor Ecology and Biodiversity Laboratory Department of Zoology, Tripura University Topic: Introductory Concept of Ecology and Biodiversity Different types of statistical data	10:00 am to 11:15 am
2	Snack break	11:15 am to 11:30 am
3	Technical session three Speaker: Dr. Animesh Dey Topic: Methods of data collection and analysis	11:30 am to 12:30 pm
4	Lunch break	12:30 pm to 1:30 pm
5	Technical session four Speaker: Dr. Animesh Dey Topic: Interpretation of statistical data (with hands on sessions) Biodiversity indices and their application in research work.	1:30 pm onwards

Day 3 (Date 29th November, 2024)

Sl.	Program	Time
1	Technical Session five Speaker: Dr. Rumki Nath Sen <i>Co</i> PI. College Biotech Club Project, Asst. Professor and HoD, Department of Zoology, HCC, Agartala Topic: Evolutionary significance of eye spots of butterfly	9:15 am onwards
2	Technical Session six Speaker: Dr. Joydeb Majumder Consultant (Monitoring & Evaluation), Deloitte Touche Tohmatsu, India. LLP (Former Program Manager, Biodiversity Conservation, Jica Project, Dept. of Forest, Govt. of Tripura) Topic: Preliminary guide to insect taxonomy with special reference to butterfly Methods of insect collection, preservation and documentation Field sampling techniques of butterflies Different aspects of butterfly biology	10:00 am to 11:30 am
3	Snacks Break	11:30 am to 11:45 am
4	Valedictory Session	11:45 am to 12:30 pm

Department of Zoology
Holy Cross College, Agartala

Report on Three Day Workshop on ‘Wings of Inquiry: A Beginner’s Guide to Butterfly Research Methodology’ by Department of Zoology, in collaboration with College Biotech Club & IQAC, Holy Cross College, Agartala held from 27th to 29th November 2024.

Workshop on research methodologies is crucial in academic, professional, and research driven environment. Knowledge on research methodology provides the framework for conducting systematic and credible research. To enhance the research aptitude of the students and to train them with the basics methodologies of research, a Three Days Workshop on ‘Wings of Inquiry: A Beginner’s Guide to Butterfly Research Methodology’ was organized by Department of Zoology, in collaboration with College Biotech Club & IQAC, Holy Cross College, Agartala. The Workshop was held from 27th to 29th November 2024 in HCC Conference Hall (F1-08). The Workshop was attended by in total 60 students of Holy Cross College as well as from Rabindranath Thakur Mahavidyalaya, Bishalgarh, Tripura, from Swami Vivekanda Mahavidyalaya, Mohanpur, Tripura and Tripura University, Suryamaninagar.

The resource persons of the workshop were Dr. Animesh Dey, Asst. Professor, Ecology and Biodiversity Laboratory, Department of Zoology, Tripura University and Dr. Joydeb Majumder, Consultant (Monitoring & Evaluation), Deloitte Touche Tohmatsu, India. LLP (Former Program Manager, Biodiversity conservation, JICA Project, Dept. of Forest, Govt. of Tripura). The Principal Investigator and the Co Principal Investigator of the College Biotech Club Projects

and Asst Professors of the Department of Zoology, Dr. Parichita Ray Choudhury and Dr. Rumki Nath Sen were also resource persons of this 3 Days Workshop. In the Inaugural Session, Dr. Father Benny K. John, Principal, Holy Cross College, Agartala welcomed the resource persons and felicitated them. Dr. Sushobhan Sen Gupta, Coordinator, IQAC, HCC explained how the workshop will be helpful for the beginners or early stage researchers to understand the nuances of research processes and train them to produce actionable insights from research data. Dr. Moumita Dey, Academic Coordinator, HCC and Dr. Sandip Roy Sarkar, Asst. Coordinator, IQAC, in their speech discussed about the importance of conservation for sustainable development and they wished grand success of the three Days Workshop.

The inaugural session was followed by Technical Session 1 in which Dr. Parichita Ray Choudhury discussed the importance of butterfly research in changing world. The participants were taken for a visit to the butterfly Park of Holy Cross College Campus to give them an idea about the commonly found butterfly species in the area and their preferred host plants. In the second day, the session started with the lecture by the resource person, Dr. Animesh Dey, who introduced the basic concepts of Ecology and biodiversity and also discussed about the different types of statistical data.

During the course of his session, he explained the different methods of data collection and analysis. There were also hands on training on interpretation of statistical data and the application of biodiversity indices in research work. In the third day, Dr. Rumki Nath Sen took an interesting session on the evolutionary significance of eye spots of butterfly. This was followed by the last technical session in which Dr. Joydeb Majumdar guided the students about insect taxonomy and identification. He also took hands on session on methods of insect collection,

preservation and documentation. He also shared his experience and expertise on field sampling techniques of butterflies and different aspects of butterfly collection. The final technical session was followed by Valedictory session in which participatory certificates were given to the participants. Dr. Rumki Nath Sen, HoD, Department of Zoology presented the vote of thanks. Refreshment and lunch was provided to the participants during the Workshop.



The report is prepared by Dr. Parichita Ray Choudhury, Asst. Professor, Department of Zoology, Holy Cross College, Agartala.

Parichita Ray Choudhury

HOD, Department of Zoology
Holy Cross College
Agartala.

Holy Cross College Agartala

ATTENDANCE

Name of the Cell/Committee/Dept: Dept. of Zoology, College Biotech Club and IQAC, HCC

Topic: Three Days Workshop on "Wings of Inquiry: A Beginners guide to Butterfly Research Methodology"

Date: 27/11/24

Venue: HCC Conference Hall(F1-08)

SL NO	NAME	SIGNATURE WITH DATE
1.	Rimi Ghosh	Rimi Ghosh (27/11/24)
2.	Jasly Debbarma	Jasly DIB (27/11/24)
3.	Baby Baul	Baby baul (27/11/24)
4.	Purnima Tispura	Purnima Tispura (27/11/24)
5.	Ayush Debbarma	Ayush Debbarma (27/11/24)
6.	Kannanwar Jorjy	Kannanwar Jorjy (27/11/24)
7.	Pali Debbarma	Pali Debbarma (27/11/24)
8.	Jui Das	Jui Das (27/11/24)
9.	Sadia Rahman	Sadia Rahman (27/11/24)
10.	Selina Singh	Selina Singh (27/11/2024)
11.	Pritanu Dey	-Pritanu Dey (27/11/2024)
12.	Colin Subhash Paul Reang	Colin Subhash Paul Reang (27/11/2024)
13.	Sahil Singh	Sahil Singh (27/11/2024)
14.	Akash Paul	Akash Paul (27/11/2024)
15.	Nelson Jemetic	Nelson Jemetic (27/11/2024)
16.	Pratik Chakraborty	Pratik Chakraborty (27/11/2024)
17.	Shreyan Chakraborty	Shreyan Chakraborty (27/11/2024)
18.	Baishayan Chakraborty	Baishayan Chakraborty (27/11/2024)
19.	Kaustub Bhaumik	Kaustub Bhaumik (27.11.2024)
20.	Sugyan Mahalanobis	Sugyan Mahalanobis (27.11.2024)

21.	Roshni Debnath	Roshni Debnath (27/11/24)
22.	Trisha Nath	Trisha Nath (27/11/24)
23.	Suchelana Ghosh Choudhury	Suchelana Ghosh C (27/11/24)
24.	Bijoya Bhattacharjee	Bijoya Bhattacharjee (27/11/24)
25.	Hakima Chowdhury	Hakima Chowdhury (27/11/24)
26.	Rupanjali Dhar	Rupanjali Dhar (27/11/24)
27.	Trisha Pal	Trisha Pal (27/11/24)
28.	Beauty Sarkar	Beauty Sarkar (27/11/24)
29.	Debjani Bhattacharjee	Debjani Bhattacharjee (27/11/24)
30.	Anjel Debbarma	Anjel Debbarma (27/11/24)
31.	Shweta Baidya	Shweta Baidya (27/11/24)
32.	Anandita Dey	Anandita Dey (27/11/24)
33.	Nia Debbarma	Nia Debbarma (27/11/24)
34.	Diya Debbarma	Diya Debbarma (27/11/24)
35.	Maimuna Begam	Maimuna Begam (27/11/24)
36.	Debalin Debnath	Debalin Debnath (27/11/24)
37.	Pushpamary J	Pushpamary J (27/11/24)
38.	Glady Horangkhaul	Glady Horangkhaul (27/11/24)
39.	Pratishtha Deb.	Pratishtha Deb. (27/11/24)
40.	Ankita Saha	Ankita Saha (27/11/24)
41.	Prapti Roy	Prapti Roy (27/11/24)
42.	Bidushi Datta	Bidushi Datta (27/11/24)
43.	Srija Majumder	Srija Majumder (27/11/24)
44.	Tagati Dhar	Tagati Dhar (27/11/24)
45.	Neha Debnath	Neha Debnath (27/11/24)
X 46.	Kunakrit Sinha	Kunakrit Sinha (27/11/24)

47.	Rustam Debbarma	Rustam Debbarma (27/11/24)
48.	Mrinalini Bhattacharya	Mrinalini Bhattacharya (27/11/24)
49.	Ishita Sharma	Ishita Sharma (27-11-24)
50.	Ehibangi Das.	Shibangi Das (27-11-24)
51.	Mitashu Saha. (GL, RTM, BLG)	* Mitashu Saha. (27/11/24)
52.	Sabrina Debbarma	Sabrina Debbarma (27/11/24)
53.	Mayookh Chakraborty (TU)	Mayookh Chakraborty 27/11/24
54.	Saumyendu Datta	Saumyendu Datta 27/11/24
55.	Suhana Reang	Suhana Reang 27/11/24
56.	Anirban Chandra	Anirban Chandra 27/11/24
57.	Suchismita Saha (TU)	Suchismita Saha (TU) 27/11/24
58.	Sudip Kumar Paul (TU)	Sudip K. Paul (TU) 27/11/24
59.	Subrapradip Das (TU)	Subrapradip Das (TU) 27/11/24
60.	Tapas Kumar Sharma (GL, HCC)	Tapas K. Sharma 27/11/24

Holy Cross College Agartala

Attendance]

Name of the Cell/Committee/Dept: Dept. of Zoology, College Biotech Club and IQAC, HCC

Topic: Three Days Workshop on "Wings of Inquiry: A Beginners guide to Butterfly Research Methodology"

Date: 28/11/24

Venue: HCC Conference Hall(F1-08)

SL NO	NAME	SIGNATURE WITH DATE
1.	Mitashu Saha (Bk, RTM, BLG).	Mitashu Saha. (28/11/2024).
2.	Sabrina Debbarma	Sabrina Debbarma (28/11/24)
3.	Debjani Bhattacharjee	Debjani Bhattacharjee (28/11/24)
4.	Angel Debbarma	Angel Debbarma (28/11/24)
5.	Mayookh Chakraborty (TU)	Mayookh Chakraborty 28/11/24
6.	Shweta Baidya	Shweta Baidya 28/11/24
7.	Saumyendu Datta	Saumyendu Datta 28.11.24
8.	Suhani Reang	Suhani Reang 28/11/24
9.	Anirban Chandra	Anirban Chandra 28/11/24
10.	Pritanu Dey	Pritanu Dey 28/11/24
11.	Arash Paul	Arash Paul 28/11/24
12.	Debalin Debnath	Debalin Debnath 28/11/24
13.	Tasly Debbarma	Tasly DB (28/11/24)
14.	Rimi Ghosh	Rimi Ghosh (28/11/24)
15.	Anindita Dey	Anindita Dey (28/11/24)
16.	Nelur Debnath.	Nelur Debnath (28/11/24)
17.	Jagriti Dhar	Jagriti Dhar (28/11/24)
18.	Selina Singh	Selina Singh (28/11/2024)
19.	Chandini Reang	Chandini Reang (28/11/2024)
20.	Mrinalini Bhattacharyya	Mrinalini Bhattacharyya (28/11/2024)

21.	Ankita Saha	Ankita Saha (28/11/24)
22.	Sruja Majumder	Sruja Majumder (28/11/24)
23.	Pratiksha Deb	Pratiksha Deb (28/11/24)
24.	Jay Chakrabarty	Jay Chakrabarty (28/11/24)
25.	Ayush Debbarma	Ayush Debbarma (28/11/24)
26.	Purnima Talpura	Purnima Talpura (28/11/24)
27.	Pali Debbarma	Pali Debbarma (28/11/24)
28.	Prasanta Deb	Prasanta Deb (28/11/24)
29.	Ayantika Das	Ayantika Das (28/11/24)
30.	Mayurakanya Ray	May (28/11/24)
31.	Doranki Dairg	Dairg (28/11/24)
32.	Maimuna Begam	Maimuna Begam (28/11/24)
33.	Nia Debbarma	Nia Debbarma (28/11/24)
34.	Kilingsa Debbarma	Kilingsa Debbarma (28/11/24)
35.	Sahil Singha	Sahil Singha (28/11/24)
36.	Pratik Chakrabarti	Pratik Chakrabarti (28/11/24)
37.	Vannamawar Dorlog	Vannamawar Dorlog (28/11/24)
38.	Baby Baul	Baby Baul (28/11/24)
39.	Subinpradip Das	Subinpradip Das (28/11/24)
40.	Shibangi Das	Shibangi Das (28/11/24)
41.	Jui Das	Jui Das (28/11/2024)
42.	Sadia Rahman	Sadia Rahman (28/11/2024)
43.	Tapas Kumar Sharma (GL, HCC)	Tapas Kr. Sharma (28/11/2024)
44.	Madhabi Sarkar	Madhabi Sarkar (28/11/24)
45.	Bidushi Satta	Bidushi Satta (28/11/24)
46.	Prapti Roy	Prapti Roy (28/11/24)

47.	Gladys Hrangkhanel	Gladys Hrangkhanel (28.11.24)
48.	Pushpamary J	Pushpamary J 28/11/24
49.	Colin Subhash Pouel Reang	Colin Subhash Pouel Reang
50.	Khachuk Debbarma	Khachuk Debbarma
51.	Suchetana Ghosh Choudhury	Suchetana Ghosh Choudhury (28.11.24)
52.	Bijoya Bhattacharjee	Bijoya Bhattacharjee (28.11.24)
53.	Trisha Pal	Trisha Pal (28.11.24)
54.	Bibhu Prasad Debnath	Bibhu Prasad Debnath (28/11/24)
55.	Mahima Chowdhury	Mahima Chowdhury (28/11/24)
56.	Rupanjali Dhar	Rupanjali Dhar (28/11/24)
57.	Nelson Jamatia	Nelson Jamatia (28/11/24)
58.	Sara Jamatia	Sara Jamatia (28/11/24)
59.	Supayan Mahalanobis	Supayan Mahalanobis (28/11/24)
60.	Baishayan Chakraborty	Baishayan Chakraborty (28/11/24)

Holy Cross College Agartala

[Signature, Attendance]

Name of the Cell/Committee/Dept: Dept. of Zoology, College Biotech Club and IQAC, HCC

Topic: Three Days Workshop on "Wings of Inquiry: A Beginners guide to Butterfly Research Methodology"

Date: 29/11/24

Venue: HCC Conference Hall(F1-08)

SL NO	NAME	SIGNATURE WITH DATE
1.	Mayookh Chakrabarty (TU)	M Chakrabarty 29/11/24
2.	Tapas Kumar Sharma (GL, HCC)	Tapas Kr. Sharma 29/11/24
3.	Suchetana Ghosh Choudhury	Suchetana Ghosh Choudhury 29.11.24
4.	Mrinalini Bhattacharya (HCC)	Mrinalini Bhattacharya 29/11/24
5.	Jagriti Dhar (HCC)	Jagriti Dhar 29/11/24
6.	Neelke Debnath (HCC)	Neelke Debnath (29/11/24)
7.	Ishita Sharma (HCC)	Ishita Sharma (29-11-2024)
8.	Mitush Saha (RTM, BLG).	Mitush Saha. (29/11/2024).
9.	Selina Singh	Selina Singh (29/11/2024)
10.	Trisha Pal	Trisha Pal (29/11/2024)
11.	Bijoya Bhattacharjee	Bijoya Bhattacharjee (29/11/24)
12.	Hakima Chowdhury	Hakima Chowdhury (29/11/24)
13.	Rupanjali Dhar	Rupanjali Dhar (29/11/24)
14.	Bibhu Prasad Debnath	Bibhu Prasad Debnath (29/11/24)
15.	Sahil Singha	Sahil Singha (29/11/24)
16.	Khachun Debnath	Khachun Debnath (29/11/24)
17.	Nelson Samanta	Nelson Samanta (29/11/24)
18.	Saunyeendu Datta	Saunyeendu Datta (29.11.24)
19.	Pali Debnath	Pali Debnath (29.11.24)
20.	Sara Samanta	Sara Samanta (29.11.24)

21.	Sadia Rahman	Sadia Rahman (29/11/24)
22.	Jui Das	Jui Das (29/11/24)
23.	Supayan Mahalanobis	Supayan Mahalanobis (29/11/24)
24.	Baishayan Chakraborty	Baishayan Chakraborty (29/11/24)
25.	Shreyan Chakraborty	Shreyan Chakraborty (29/11/24)
26.	Roshni Debnath	Roshni Debnath (29/11/2024)
27.	Toisha Nath	Toisha Nath (29/11/24)
28.	Beautly Sarker	Beautly Sarker (29/11/24)
29.	Poulamie Das	Poulamie Das (29/11/24)
30.	Nia Debbasma	Nia Debbasma (29/11/24)
31.	Maimuna Begam	Maimuna Begam (29/11/24)
32.	Suhana Reang	Suhana Reang (29/11/24)
33.	Shweta Baidya	Shweta Baidya (29/11/24)
34.	Anindita Dey	Anindita Dey (29/11/24)
35.	Pushpamary J	Pushpamary J (29/11/24)
36.	Gladys Khengkhanel	Gladys Khengkhanel 29.11.24
37.	Srija Majumder	Srija Majumder (29/11/24)
38.	Bidushi Satta	Bidushi Satta (29/11/24)
39.	Prapti Roy	Prapti Roy (29/11/24)
40.	Ankita Saha	Ankita Saha (29/11/24)
41.	Pratiksha Deb	Pratiksha Deb (29/11/24)
42.	Purnima Talpura	Purnima Talpura (29/11/24)
43.	Varomawar Dargoo	Varomawar Dargoo (29/11/24)
44.	Baby Baul	Baby Baul (29/11/24)
45.	Arora Debbasma	Arora Debbasma (29/11/24)
46.	Rimi Ghosh	Rimi Ghosh (29/11/24)

47.	Anjel Debbavema	Anjel Debbavema (29/11/24)
48.	Debjani Bhattacharyee	Debjani Bhattacharyee (29/11/24)
49.	Pratik Chakraborti	Pratik Chakraborti (29/11/2024)
50.	Debalin Debnath	Debalin Debnath (29/11/2024)
51.	Prithanu Dey	Prithanu Dey (29/11/24)
52.	Akash Paul	Akash Paul (29/11/24)
53.	Anirban Chanda	Anirban Chanda (29/11/24)
54.	Manasree Sarkar	Manasree Sarkar (29/11/24)
55.	Bandana Chakma	Bandana Chakma (29/11/24)
56.	Antarika Chakma	Antarika Chakma (29/11/24)
57.	Madhabi Sarkar	Madhabi Sarkar (29/11/24)
58.	Riya Karmakar	Riya Karmakar (29/11/24)
59.	Shreyasi Debnath	Shreyasi Debnath (29/11/24)
60.	Sneha Sharma	Sneha Sharma (29/11/24)



HOLY CROSS COLLEGE, AGARTALA

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Certificate of Participation

This is to certify that

Mr. Pohan Tripura,

Department of Zoology, Holy Cross College, Agartala.

has participated in the

Three Days Workshop on

'Wings of Inquiry: A Beginner's Guide to Butterfly Research Methodology'

Organized by

Department of Zoology, Holy Cross College, Agartala

in collaboration with IQAC, HCC & College Biotech Club

sponsored by

Directorate of Biotechnology, Govt. of Tripura

on 27th to 29th November 2024

Rumki Nath Sen

Dr. Rumki Nath Sen

Assistant Professor, HCC (Convener)

Benny K John

Dr. Fr. Benny K John, CSC

Principal, HCC