



# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Dr. A. R. Md. Mustafizur Rahaman of Asutosh College  
participated & presented the paper titled  
*Artificial Intelligence, a dynamic tool in detecting Synaesthesia and its subtypes: An emerging approach*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
IQAC Coordinator  
Asutosh College

**Dr. Manas Kabi**  
Principal  
Asutosh College

**Swami Mahaprajnananda**  
Principal  
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**Dr. Indrashis Banerjee**  
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## Certificate of Appreciation

This is to certify that Dr. Abhisek Basu of Behala College  
participated & presented the paper titled  
*Recent Trends in Fishery Management and Conservation: Role of GIS and Remote-sensing*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Aparajita Pal of Diamond Harbour Women's University  
participated & presented the paper titled  
*Convergence of Artificial Intelligence in cancer biology towards the detection and remission of cancer*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Arnab Kumar Ghoshal of Asutosh College  
participated & presented the paper titled

***Monitoring Safety: Ensuring Trustworthy Autonomous Systems***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Deep Chandan Chakraborty of Asutosh College  
participated & presented the paper titled  
*Forest fire prediction and prevention - mixed niche for remote sensing and artificial learning*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Dipak Kumar Som of Maulana Azad College  
participated & presented the paper titled  
*Role of AI (Artificial Intelligence) in the Detection of Agricultural Pest*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Dr. Indrani Chakraborty of Jogomaya Devi College  
participated & presented the paper titled

*Advancements in 3D Bioprinting: A Comprehensive Review of Applications in Tissue Engineering and Regenerative Medicine in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Kaberi Datta of Sarojini Naidu College for Women  
participated & presented the paper titled  
*Augmenting Human Health with Artificial Intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Kausiki Chakrabarti of Charuchandra College  
participated & presented the paper titled

*The role of AI in understanding receptor-ligand binding interactions*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Lopamudra Mukherjee of Asutosh College  
participated & presented the paper titled  
*Remote Sensing and GIS: Pioneering methods for the Tripartite Study of Animal Distribution, Migration and Habitat Mapping in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Munmun Chakrabarty of Charuchandra College  
participated & presented the paper titled  
*Landuse analysis of the catchment area of River Teesta to study piscine distribution*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Priya Roy of Diamond Harbour Women's University  
participated & presented the paper titled  
*Artificial Intelligence (AI) and Nanotechnology for larvicidal efficacy of green synthesized metallic nanoparticles against mosquito vectors (Diptera:Culicidae): Current status and future perspectives*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Priyanka Sanphui of Sree Chaitanya College, Habra  
participated & presented the paper titled

*Unrevealing the potential role of Artificial Intelligence in Parkinson's and Disease: from Disease Diagnosis to Treatment*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Prosenjit Dawn of Shyampur Siddheswari Mahavidyalaya  
participated & presented the paper titled  
*RS-GIS can reveal dynamics of Island Land Use Land Cover Patterns to Monitor Mangrove Forests and associated Biodiversity in Sunderbans*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Rajarshi Ghosh of Maulana Azad College  
participated & presented the paper titled

*A GIS Approach to Understand Fish Distribution, Migration and Remote Sensing in Fish Habitat Mapping*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Samik Acharjee of Rammohan College  
participated & presented the paper titled

*AI-based bioinformatics tools is a new emerging area in fishery sciences: An in-silico analysis of Melanocortin Receptor (MC4R) of Carassius auratus*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Sanjay Kumar Paul of Rammohan College  
participated & presented the paper titled  
***Computational Algorithms in Action: Identifying ALDH1A1 Inhibitors for Overcoming Chemotherapy Resistance***  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Sanjukta Manna of Maulana Azad College  
participated & presented the paper titled  
*Putting AI into play: Designing therapeutic drug for IPF*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Satabdi Nandi of Asutosh College  
participated & presented the paper titled  
*Gajraj: An AI-Based Approach for Preventing Collision between Trains and Wild Elephants*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Saurav Shome of Bhairab Ganguly College  
participated & presented the paper titled  
*Application of AI in Studying and Predicting Neurodevelopmental Disorders (NDDs)*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Sharmistha Banik of Chandernagore College  
participated & presented the paper titled  
*Artificial intelligence: yet not a match for human intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Sobhana Palit of Sree Chaitanya College, Habra  
participated & presented the paper titled  
*Study of Avifaunal Distribution: A Basic GIS Approach*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Srikanta Guria of Barasat Government College  
participated & presented the paper titled  
*Artificial Intelligence (AI), CGM Biosensors and Diabetes Care*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Sriparna Datta Ray of Asutosh College  
participated & presented the paper titled

***Conservation of Fish and Fish Habitat: Role of Artificial Intelligence (AI) and Geographic Information System (GIS) in Sustainable Fish Growth***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Dr. Subhabrata Ghosh of Asutosh College  
participated & presented the paper titled  
*AI based approach to conserve tiger - a paradigm shift*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Subhajit Mondal of Sibani Mandal Mahavidyalaya  
participated & presented the paper titled

*A machine learning approach towards predicting the torsional energy barrier of antioxidant molecules*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Kolkata 22.03.2024**



# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Dr. Subharthi Pal of Bhairab Ganguly College  
participated & presented the paper titled

*Remote Sensing & GIS as A Tool For Sustainable Aquaculture Management using Predictive Disease Transmission Model in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
IQAC Coordinator  
Asutosh College

**Dr. Manas Kabi**  
Principal  
Asutosh College

**Swami Mahaprajnananda**  
Principal  
Ramakrishna Mission Vidyamandira

**Dr. Indrashis Banerjee**  
IQAC Coordinator  
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## Certificate of Appreciation

This is to certify that Dr. Sumana Saha of Barasat Government College  
participated & presented the paper titled

*Role of artificial intelligence in public health management & pharmaceutical research*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Dr. Tamalika Sanyal of Asutosh College  
participated & presented the paper titled

*Mapping the Unseen: Application of AI in Brain Computing Associated with Neurological Disorders*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Dr. Tapan Kumar Roy of Asutosh College  
participated & presented the paper titled  
*AI in the surveillance of Public health diseases*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Monalisa Pramanik of Diamond Harbour Women's University  
participated & presented the paper titled  
*Artificial Intelligence (AI) and Nanotechnology for larvicidal efficacy of green synthesized metallic nanoparticles against mosquito vectors (Diptera:Culicidae): Current status and future perspectives*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Praveen Tudu of Department of Environmental Science University of Calcutta participated & presented the paper titled

*Advancements in 3D Bioprinting: A Comprehensive Review of Applications in Tissue Engineering and Regenerative Medicine in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Ranodeep Chatterjee of Charuchandra College  
participated & presented the paper titled

*The role of AI in understanding receptor-ligand binding interactions*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Sayantani Mondal of Diamond Harbour Women's University  
participated & presented the paper titled  
*Convergence of Artificial Intelligence in cancer biology towards the detection and remission of cancer*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Sukanya Kundu of Diamond Harbour Women's University  
participated & presented the paper titled  
*Convergence of Artificial Intelligence in cancer biology towards the detection and remission of cancer*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

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This is to certify that Sunita Jhulki of Diamond Harbour Women's University  
participated & presented the paper titled  
*Convergence of Artificial Intelligence in cancer biology towards the detection and remission of cancer*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Abhimanyu Mahanta of Asutosh College  
participated & presented the paper titled

***Conservation of Fish and Fish Habitat: Role of Artificial Intelligence (AI) and Geographic Information System (GIS) in Sustainable Fish Growth***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Aditi Basu of Sarojini Naidu College for Women  
participated & presented the paper titled  
**Augmenting Human Health with Artificial Intelligence**  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Aditya Dey of Asutosh College  
participated & presented the paper titled  
*Role of artificial intelligence in development of Anti-Poaching strategy to conserve wildlife*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Adrija Sen of Sarojini Naidu College for Women  
participated & presented the paper titled

*Augmenting Human Health with Artificial Intelligence*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Ahanabha Sett of Asutosh College  
participated & presented the paper titled  
*Role of AI in patient monitoring, drug discovery & drug delivery*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Aishali Pal of Asutosh College  
participated & presented the paper titled  
*Transforming the Future of Aquaculture with Modern Day Technology - AI and GIS*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Aishi Chowdhury of Barasat Government College  
participated & presented the paper titled

*Acknowledging the human mind without a human mind: Neuroscience inspired AI*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Akash Chandra Patra of West Bengal State University  
participated & presented the paper titled  
*Ants habitat mapping using Remote Sensing and GIS*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Anindita Chakraborty of Barasat Government College  
participated & presented the paper titled

*Application of AI and GIS: A Review Study on Recent Advancement in Fisheries and Aquaculture*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Ankit Patra of Asutosh College  
participated & presented the paper titled

*Journey from traditional fish farming to smart fishing: Impact of Artificial Intelligence (AI) and Geographic Information System (GIS)*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Ankita Chatterjee of Asutosh College  
participated & presented the paper titled

*AI based approach to conserve tiger - a paradigm shift*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Ankita Kundu of Maulana Azad College  
participated & presented the paper titled  
*Putting AI into play: Designing therapeutic drug for IPF*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Ankita Sarkar of Maulana Azad College  
participated & presented the paper titled  
*Machine learning approach to support taxonomic species discrimination based on helminth collection data*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Ankur Chakraborty of Asutosh College  
participated & presented the paper titled  
*AI based approach to conserve tiger - a paradigm shift*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Antima Pal of Bethune College  
participated & presented the paper titled

*Mapping the Invisible: Unveiling Termites & World with GIS and AI*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Anurima Gupta of Sarojini Naidu College for Women  
participated & presented the paper titled  
*Augmenting Human Health with Artificial Intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Anushka Ghosh of Barasat Government College  
participated & presented the paper titled

*Application of AI and GIS: A Review Study on Recent Advancement in Fisheries and Aquaculture*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
IQAC Coordinator  
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**Dr. Manas Kabi**  
Principal  
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**Swami Mahaprajnananda**  
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**Dr. Indrashis Banerjee**  
IQAC Coordinator  
Ramakrishna Mission Vidyamandira

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# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Apratim Goswami of Asutosh College  
participated & presented the paper titled

***Conservation of Fish and Fish Habitat: Role of Artificial Intelligence (AI) and Geographic Information System (GIS) in Sustainable Fish Growth***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Arnab Sarkar of Maulana Azad College  
participated & presented the paper titled  
*Role of AI (Artificial Intelligence) in the Detection of Agricultural Pest*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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**Swami Mahaprajnananda**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Arpita Mondal of Asutosh College  
participated & presented the paper titled

*Use of AI in predicting outbreak probabilities of emerging infectious diseases: Learning from COVID-19 pandemic in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Ashmita Das of Maulana Azad College  
participated & presented the paper titled

*Machine learning approach to support taxonomic species discrimination based on helminth collection data in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Asmi Saha of Asutosh College  
participated & presented the paper titled

*Mapping the Unseen: Application of AI in Brain Computing Associated with Neurological Disorders*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Bidisha Roy of University of Calcutta  
participated & presented the paper titled

*Remote Sensing and GIS: Pioneering methods for the Tripartite Study of Animal Distribution, Migration and Habitat Mapping in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Swami Mahaprajnananda**  
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## Certificate of Appreciation

This is to certify that Biswadip Sanfui of Maulana Azad College  
participated & presented the paper titled  
*Recent Trends in Fishery Management and Conservation: Role of GIS and Remote-sensing*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Debabrata Das of Barasat Government College  
participated & presented the paper titled

*Application of AI and GIS: A Review Study on Recent Advancement in Fisheries and Aquaculture*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Debaghya Bagchi of Asutosh College  
participated & presented the paper titled

***Monitoring Safety: Ensuring Trustworthy Autonomous Systems***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Debdeep Chattopadhyay of St. Xavier's College (Autonomous)  
participated & presented the paper titled

*Prospects of Computational Biology Programs and Artificial Intelligence in Understanding Disease Pathophysiology, Drug Design and their Administration*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Debosmita Halder of Asutosh College  
participated & presented the paper titled

*Revolutionized pharmaceutical technology: Innovations in drug delivery design through artificial intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Deepa Garai of Asutosh College  
participated & presented the paper titled

*From Data to Devising: Impact of AI on Patient Monitoring and Personalised Drug Discovery*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Dipanwita Mishra of Asutosh College  
participated & presented the paper titled  
*The ubiquity of AI as a therapeutic weapon to pioneer societal welfare*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Fahima Nahid of Asutosh College  
participated & presented the paper titled  
*AI in the surveillance of Public health diseases*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Haimanti Sinha of Bangabasi College  
participated & presented the paper titled

*AI-based predictive modeling for environmental & epidemiological monitoring*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Ishita Saha of Asutosh College  
participated & presented the paper titled

*The ubiquity of AI as a therapeutic weapon to pioneer societal welfare*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Jayeeta Nandi of Maulana Azad College  
participated & presented the paper titled  
*Putting AI into play: Designing therapeutic drug for IPF*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Konkona Bera of Bijoy Krishna Girls College  
participated & presented the paper titled  
*Revolutionized pharmaceutical technology: Innovations in drug delivery design through artificial intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Koyena Das of Asutosh College  
participated & presented the paper titled

*Conservation of Fish and Fish Habitat: Role of Artificial Intelligence (AI) and Geographic Information System (GIS) in Sustainable Fish Growth*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Laiba Arif of Asutosh College  
participated & presented the paper titled  
*Forest fire prediction and prevention - mixed niche for remote sensing and artificial learning*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Lisha Manna of Asutosh College  
participated & presented the paper titled

*Assessing Future Climate Change Impacts on Biodiversity in India: Trends, Gaps and Best Practices in Species Distribution Modelling*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Madhurima Sharma of Bethune College  
participated & presented the paper titled  
*Artificial intelligence in diabetes detection and management*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Mahek Chatterjee of Asutosh College  
participated & presented the paper titled

*Mapping the Unseen: Application of AI in Brain Computing Associated with Neurological Disorders*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Mayghaa Chaterjee of Lady Brabourne College  
participated & presented the paper titled

*Revolutionized pharmaceutical technology: Innovations in drug delivery design through artificial intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Meghrupa Roy Chowdhury of Bethune College  
participated & presented the paper titled  
*Mapping the Invisible: Unveiling Termites & World with GIS and AI*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Momoiro Mukherjee of Rabindra Bharati University  
participated & presented the paper titled

***Opportunities and Challenges of Artificial Intelligence in Education System***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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**Swami Mahaprajnananda**  
Principal  
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**Dr. Indrashis Banerjee**  
IQAC Coordinator  
Ramakrishna Mission Vidyamandira

**Kolkata 22.03.2024**



# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Nabanita Roy of Maulana Azad College  
participated & presented the paper titled  
*A GIS Approach to Understand Fish Distribution, Migration and Remote Sensing in Fish Habitat Mapping*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
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## Certificate of Appreciation

This is to certify that Nilarun Manna of Bhairab Ganguly College  
participated & presented the paper titled

*Remote Sensing & GIS as A Tool For Sustainable Aquaculture Management using Predictive Disease Transmission Model in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Palash Saha of Sree Chaitanya College, Habra  
participated & presented the paper titled

*Exploring the impact of artificial intelligence in modern day life*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Paromita Mondal of Bethune College  
participated & presented the paper titled  
*Artificial intelligence in diabetes detection and management*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Parul Ghosh Choudhury of VIVEKANANDA COLLEGE  
participated & presented the paper titled  
*Early Detection of Oral Cancer using Smartphone-based White Light Image*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Prachi Bhattacharjee of Asutosh College  
participated & presented the paper titled

***Monitoring Safety: Ensuring Trustworthy Autonomous Systems***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Priyanga Mondal of Asutosh College  
participated & presented the paper titled  
*Exploration of Web Forming Behavior of Spider by AI, a Potential Approach for Better Utilization of Spider Webs in Biological Control of Insect Pest*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Priyanka Singh of Asutosh College  
participated & presented the paper titled

*Gajraj: An AI-Based Approach for Preventing Collision between Trains and Wild Elephants*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Priyosmita Saha of Asutosh College  
participated & presented the paper titled  
*Assessing Future Climate Change Impacts on Biodiversity in India: Trends, Gaps and Best Practices in Species Distribution Modelling*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Rabia Tabassum of Asutosh College  
participated & presented the paper titled

*Assessing Future Climate Change Impacts on Biodiversity in India: Trends, Gaps and Best Practices in Species Distribution Modelling*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Rahit Ali of Barasat Government College  
participated & presented the paper titled

***Artificial Intelligence (AI), CGM Biosensors and Diabetes Care***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Rhitoban Ghosh of Maulana Azad College  
participated & presented the paper titled  
*Role of Artificial Intelligence in Public Health Management*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Richek Routh of Ramakrishna Mission Vivekananda Centenary College Rahara participated & presented the paper titled *Revolutionizing capture fisheries through implementation of AI-powered mobile application system: prospects for new age fisher-folks*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Riju Jati of Barasat Government College  
participated & presented the paper titled

*Role of artificial intelligence in public health management & pharmaceutical research*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Rima Kundu of Asutosh College  
participated & presented the paper titled

*Navigating the Synthetic Landscape: Detecting AI-Created Fakes in Images*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Rimpa Mondal of Asutosh College  
participated & presented the paper titled  
*Journey from traditional fish farming to smart fishing: Impact of Artificial Intelligence (AI) and Geographic Information System (GIS)*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Rinika Bhowmik of Maulana Azad College  
participated & presented the paper titled

***Putting AI into play: Designing therapeutic drug for IPF***

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Ritwik Guchait of Maulana Abul Kalam Azad University of Technology participated & presented the paper titled *Advancements in 3D Bioprinting: A Comprehensive Review of Applications in Tissue Engineering and Regenerative Medicine in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Riya Ghosh of Asutosh College  
participated & presented the paper titled

*Artificial Intelligence, a dynamic tool in detecting Synaesthesia and its subtypes: An emerging approach in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Rupsha Chaterjee of Asutosh College  
participated & presented the paper titled  
*Patient monitoring, drug discovery & drug delivery-expanding horizon for AI*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sambhavi Mukherjee of Bethune College  
participated & presented the paper titled  
*Application of GIS and AI in Agroecology, Forestry, Entomology and Fishing Science*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sampriti Dutta Chowdhury of Asutosh College  
participated & presented the paper titled  
*Mapping the Unseen: Application of AI in Brain Computing Associated with Neurological Disorders*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Samya Chakraborty of Barasat Government College  
participated & presented the paper titled

*Role of remote sensing & GIS in climate change, green cover analysis, aquatic ecosystem monitoring & assessment in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Satya Ranjan Das of Maulana Azad College  
participated & presented the paper titled  
*Role of Artificial Intelligence in Public Health Management*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sayak Mandal of Maulana Azad College  
participated & presented the paper titled  
*A GIS Approach to Understand Fish Distribution, Migration and Remote Sensing in Fish Habitat Mapping*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sayak Mondal of Asutosh College  
participated & presented the paper titled

*Journey from traditional fish farming to smart fishing: Impact of Artificial Intelligence (AI) and Geographic Information System (GIS)*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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Ramakrishna Mission Vidyamandira

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# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Sayan Bhadra of Maulana Azad College  
participated & presented the paper titled  
*Role of Artificial Intelligence in Public Health Management*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

**Dr. Sraboni Roy**  
IQAC Coordinator  
Asutosh College

**Dr. Manas Kabi**  
Principal  
Asutosh College

**Swami Mahaprajnananda**  
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This is to certify that Sayan Bhowal of Sree Chaitanya College, Habra  
participated & presented the paper titled  
*Public health management: the potential role of Artificial Intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Seemran Paul of Asutosh College  
participated & presented the paper titled  
*Exploration of Web Forming Behavior of Spider by AI, a Potential Approach for Better Utilization of Spider Webs in Biological Control of Insect Pest*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sharanya Chatterjee of Asutosh College  
participated & presented the paper titled

*From Data to Devising: Impact of AI on Patient Monitoring and Personalised Drug Discovery*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sharmistha Chell of Bethune College  
participated & presented the paper titled  
*Mapping the Invisible: Unveiling Termites & World with GIS and AI*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shatavisa Sardar of Barasat Government College  
participated & presented the paper titled

*Role of remote sensing & GIS in climate change, green cover analysis, aquatic ecosystem monitoring & assessment in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Shrabanti Saha of Barasat Government College  
participated & presented the paper titled

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This is to certify that Shreya Bose of West Bengal State University  
participated & presented the paper titled  
*Ants habitat mapping using Remote Sensing and GIS*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shreya Ghosh of Maulana Azad College  
participated & presented the paper titled  
*A GIS Approach to Understand Fish Distribution, Migration and Remote Sensing in Fish Habitat Mapping*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shriparna Bagh of Asutosh College  
participated & presented the paper titled  
*Forest fire prediction and prevention - mixed niche for remote sensing and artificial learning*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shriparna Chattopadhyay of IISER Kolkata  
participated & presented the paper titled

*AI tools in ethology - making investigations speedier, costeffective and precise.*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Shrutika Saha of Lady Brabourne College  
participated & presented the paper titled  
*Revolutionized pharmaceutical technology: Innovations in drug delivery design through artificial intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shubhajit Maji of Maulana Azad College  
participated & presented the paper titled  
*Role of AI (Artificial Intelligence) in the Detection of Agricultural Pest*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Silpa Hazra of Asutosh College  
participated & presented the paper titled  
*AI to Track Bark Beetle Has Revolutionized the Management of Agricultural and Forest Ecosystem*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Simran Sinha of Sarojini Naidu College for Women  
participated & presented the paper titled  
*Augmenting Human Health with Artificial Intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sinjita Ghosh of Asutosh College  
participated & presented the paper titled  
*Navigating the Synthetic Landscape: Detecting AI-Created Fakes in Images*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sneha Bhattacharjee of Asutosh College  
participated & presented the paper titled  
*Artificial Neural Network (ANN) and its application in animal call pattern differentiation and species identification- An inspired solution from personalized marketing and facial recognition*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sneha Tribady of Asutosh College  
participated & presented the paper titled  
*Artificial Intelligence, a dynamic tool in detecting Synaesthesia and its subtypes: An emerging approach*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Snehasis Kayal of Asutosh College  
participated & presented the paper titled  
*Role of artificial intelligence in development of Anti-Poaching strategy to conserve wildlife*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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participated & presented the paper titled

*From Data to Devising: Impact of AI on Patient Monitoring and Personalised Drug Discovery*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Soumi Sardar of Asutosh College  
participated & presented the paper titled

*Application of Artificial Intelligence in the Surveillance of Beehive to Ensure Food Security*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Soumik Chowdhury of Barasat Government College  
participated & presented the paper titled

*GIS & RS: The Game Changer and Savior in the Field of Ecological Habitat Conservation, Animal Distribution and Migration in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Soumyadeep Paul of Asutosh College  
participated & presented the paper titled

*Scope of Nanotechnology using silver Nano particles and Neuro-Degeneration*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Soumyadip Das of Asutosh College  
participated & presented the paper titled  
*Navigating the Synthetic Landscape: Detecting AI-Created Fakes in Images*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Soumyajit Chakraborty of Asutosh College  
participated & presented the paper titled  
**8-Role of artificial intelligence (AI) in fish growth and health status monitoring**  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Soumyajit Dasgupta of Asutosh College  
participated & presented the paper titled

*Use of AI in predicting outbreak probabilities of emerging infectious diseases: Learning from COVID-19 pandemic in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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This is to certify that Souritra Ganguly of Asutosh College  
participated & presented the paper titled  
*Journey from traditional fish farming to smart fishing: Impact of Artificial Intelligence (AI) and Geographic Information System (GIS)*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

**Dr. Sraboni Roy**  
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**Swami Mahaprajnananda**  
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**Dr. Indrashis Banerjee**  
IQAC Coordinator  
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# ONE-DAY NATIONAL LEVEL SATELLITE SYMPOSIUM



**Contributions of Remote Sensing–Geographic Information System (RS–GIS) and Artificial Intelligence (AI) on opening new Research Sphere in Biological Sciences**

## Certificate of Appreciation

This is to certify that Subham Sarkar of St. Xavier's College (Autonomous)  
participated & presented the paper titled

*Prospects of Computational Biology Programs and Artificial Intelligence in Understanding Disease Pathophysiology, Drug Design and their Administration*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Sudarsan Majumder of Asutosh College  
participated & presented the paper titled

*Mapping the Unseen: Application of AI in Brain Computing Associated with Neurological Disorders*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sudatta Roy of Asutosh College  
participated & presented the paper titled  
*AI to Track Bark Beetle Has Revolutionized the Management of Agricultural and Forest Ecosystem*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sudeshna Pakhira of Asutosh College  
participated & presented the paper titled  
*Early Detection of Oral Cancer using Smartphone-based White Light Image*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sudhriti Das of Maulana Azad College  
participated & presented the paper titled

*A GIS Approach to Understand Fish Distribution, Migration and Remote Sensing in Fish Habitat Mapping*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sumedha Das of Asutosh College  
participated & presented the paper titled  
*Application of AI in the Field of Neuroscience*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Sumit Banerjee of Bhairab Ganguly College  
participated & presented the paper titled

*Remote Sensing & GIS as A Tool For Sustainable Aquaculture Management using Predictive Disease Transmission Model in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Suraj Mondal of Ramakrishna Mission Vivekananda Centenary College Rahara participated & presented the paper titled

*Revolutionizing capture fisheries through implementation of AI-powered mobile application system: prospects for new age fisher-folks*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Tamasu Santra of Sree Chaitanya College, Habra  
participated & presented the paper titled  
*Harnessing Artificial Intelligence for Advancements in Ethology and Wildlife Biology*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Tanisha Das of Asutosh College  
participated & presented the paper titled  
*Application of AI in the Field of Neuroscience*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Tania Dey of Asutosh College  
participated & presented the paper titled  
*AI in the surveillance of Public health diseases*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Tania Shaw of Maulana Azad College  
participated & presented the paper titled

*Role of Artificial Intelligence in Public Health Management*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Tanisha Khanra of Asutosh College  
participated & presented the paper titled

*AI based approach to conserve tiger - a paradigm shift*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Tausif Amrul Khilji of Asutosh College  
participated & presented the paper titled  
*Forest fire prediction and prevention - mixed niche for remote sensing and artificial learning*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Tirthankar Roy of Ramakrishna Mission Vivekananda Centenary College Rahara participated & presented the paper titled

*Revolutionizing capture fisheries through implementation of AI-powered mobile application system: prospects for new age fisher-folks*

*in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.*

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## Certificate of Appreciation

This is to certify that Tista Das of Barasat Government College  
participated & presented the paper titled

*Application of AI and GIS: A Review Study on Recent Advancement in Fisheries and Aquaculture*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Trisha Barik of Asutosh College  
participated & presented the paper titled  
*Role of artificial intelligence in development of Anti-Poaching strategy to conserve wildlife*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Vedanusha Chakrabarti of Asutosh College  
participated & presented the paper titled  
*Artificial Intelligence, a dynamic tool in detecting Synaesthesia and its subtypes: An emerging approach*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Debangana Dam of Sree Chaitanya College, Habra  
participated & presented the paper titled  
*Public health management: the potential role of Artificial Intelligence*  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Dr. Sutapa Biswas of Acharya Prafulla Chandra College participated in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Mr. Sanjay Kumar Paul of Rammohan College  
participated & presented the paper titled

***Computational Algorithms in Action: Identifying ALDH1A1 Inhibitors for Overcoming Chemotherapy Resistance***  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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## Certificate of Appreciation

This is to certify that Shayantan Mitra of Asutosh College  
participated & presented the paper titled  
***Scope of Nanotechnology using silver Nano particles and Neuro-Degeneration***  
in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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This is to certify that Sudeshna Pakhira of Vivekananda College  
participated & presented the paper titled  
*Early Detection of Oral Cancer using Smartphone-based White Light Image*  
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This is to certify that Tamanna Khatun of Dinabandhu Andrews College  
participated & presented the paper titled

*Artificial Intelligence Technologies for Leukaemia Discovery and Methodologies*

in the One-Day National Level Satellite Symposium, held on 22nd March 2024 at Ramakrishna Mission Vidyamandira, Belur Math, Howrah organized by the Department of Zoology, Asutosh College, Kolkata in collaboration with Ramakrishna Mission Vidyamandira, Belur Math, Howrah.

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