भारत सरकार
GOVERNMENT OF INDIA
मत्स्यपालन विभाग
Department of Fisheries




# Report on Fisheries-Startup and Aquapreneurship Stakeholders Meet

17th September, 2026

College of Fisheries, Kishanganj
Bihar Animal Sciences University, Bihar

# MANAGE

The National Institute of Agricultural Extension Management (MANAGE), an autonomous organisation under the Ministry of Agriculture and Farmers Welfare, Government of India is an apex body for Agricultural Extension Management in India. MANAGE offers services like Capacity Building, Management Education, Piloting and Implementing Flagship National Schemes, Consultancy, Research, Knowledge Management and Policy Advocacy in Agricultural Extension Management (https://www.manage.gov.in ).

# MANAGE-FISHub

MANAGE-Fisheries Innovation and Startup Hub (MANAGE-FISHub) is a national- level incubation and innovation platform established at the National Institute of Agricultural Extension Management (MANAGE), Hyderabad, in 2025 with the support of the Department of Fisheries (DoF), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAHD), Government of India. MANAGE-FISHub aims to transform India's fisheries and aquaculture sector through innovation, entrepreneurship, and ecosystem development by mentoring and promoting fisheries startups, creating employment and entrepreneurial opportunities aligned with national priorities, and enabling the rapid commercialization of technologies emerging from research, academia, and individual innovators(https://www.manage.gov.in/managefishub/).

# BASU

Bihar Animal Sciences University (BASU) has been established with its headquarters at Patna through an act of Bihar State (BASU Act No. 15 of 2016, notified in the Bihar Gazette on 29 August 2016). The University became operational from 13 June 2017. The new University has been carved out of the Bihar Agricultural University as two of its constituent colleges at Patna *viz*. Bihar Veterinary College and Sanjay Gandhi Institute of Dairy Technology have been transferred to the BASU (https://basu.org.in/).

# College of Fisheries

The College of Fisheries, Kishanganj was incorporated in the Bihar Animal Sciences University Act as one of its constituent college. This College is situated on the banks of river Mahananda in the campus of Dr. Kalam Agriculture College at Arrabari in Kishanganj district of Bihar. The college formally inaugurated and announced the start of first academic session on 29$^{th}$ August 2018. This college offers a credible fisheries education institution that nurtures the next-generation of professionals and entrepreneurs in the fisheries sector and contributes to the state and nation by pursuing innovations and research which is relevant to local needs and directed towards maximizing outcomes for economic, social and environmental well-being. The College of Fisheries is committed to become a centre of excellence in Fisheries education in the region.

# Program Background

MANAGE proposed a collaboration with the College of Fisheries, Kishanganj, Bihar Animal Sciences University (BASU), Bihar, to conduct the Fisheries Startup and Aquapreneurship Stakeholders Meet in Bihar. Following acceptance from the college and university authorities, the programme was scheduled and successfully conducted on 17th October 2026 at the College of Fisheries, BASU, Kishanganj, Bihar.

The organizing team comprised representatives from both institutions. From MANAGE, the team included Dr. Saravanan Raj, Director (Agricultural Extension) and CEO of MANAGE-FISHub, along with Dr. Nivedha C. K, Innovation Research Fellow, MANAGE-FISHub. From the College of Fisheries, BASU, the organizing team included Dr. Inderjeet Singh, Hon'ble Vice-Chancellor, Bihar Animal Sciences University (BASU), Patna; Dr. Ved Prakash Saini, Dean, College of Fisheries, BASU, Kishanganj; Dr. Narendra Kumar Verma, Assistant Professor, College of Fisheries, BASU; Dr. Tapas Paul, Assistant Professor, College of Fisheries, BASU; and Ms. Tenji Pem Bhutia, Assistant Professor, College of Fisheries, BASU, Kishanganj.

The programme brought together stakeholders from the fisheries and aquaculture ecosystem, including students, fish farmers, fishers, startups, aquapreneurs, faculty, government representatives and allied professionals. The programme featured expert sessions, entrepreneurship and startup experience sharing, discussions on opportunities and support mechanisms, startup pitching, exhibition and networking.




A total of 330 participants attended the programme, including 150 students, 85 fish farmers and fishers, 35 startups and aquapreneurs, 25 faculty and professionals, 8 government representatives, 10 allied stakeholders and 10 media/other representatives, with 7 dignitaries on the dais. The participation included officials from the Department of Fisheries, Government of Bihar; NABARD; Bihar Animal Sciences University (BASU); KVK, Kishanganj; and ICAR-ATARI, Patna, along with representatives from COFFED, Aqua Doctor Solution and the insurance sector.

A total of 330 participants registered for the programme, including farmers, startups, students, faculty members, and other professionals. Confirmation mails were sent to all registered participants, and they were requested to join a WhatsApp group created for further communication and coordination. Among the startups that expressed interest in pitching and exhibition, a screening process was undertaken, following which 13 startups were shortlisted for the pitching session, while 10 stalls were shortlisted for the exhibition. The strong participation of students and other stakeholders created a vibrant platform for knowledge sharing, networking and collaboration, while highlighting the growing interest among young fisheries professionals in entrepreneurship and aquapreneurship. The programme contributed to strengthening linkages among academia, farmers, startups, government and industry for promoting innovation and entrepreneurship in the fisheries sector.

# Inaugural Session



**Dr. Ved Prakash Saini**
**Dean**
**College of Fisheries, Kishanganj**
**BASU, Bihar**

The Fisheries-Startup and Aquapreneurship Stakeholders Meet at the College of Fisheries, BASU, Kishanganj, commenced with a warm welcome address by Dr. Ved Prakash Saini, Dean, College of Fisheries, Kishanganj, BASU. He welcomed the distinguished guests, government officials, academicians, fisheries professionals, startups, aquapreneurs, farmers, students and other stakeholders participating in the programme. He also highlighted the role of the College of Fisheries in promoting fisheries education, innovation and entrepreneurship.

The inaugural proceedings began with Lamp Lighting and Saraswati Vandana, symbolizing knowledge, enlightenment and the collective commitment towards innovation and development in the fisheries and aquaculture sector. The dignitaries and invited guests were respectfully welcomed, including Dr. Anjani Kumar, Former Director, ICAR-ATARI (Zone IV), Patna and Chief Guest; Dr. Nirmal Singh Dahiya, Director, Extension Education, BASU, Patna; Dr. Anupam Lal Kusumakar, AGM, NABARD, Patna; Shri Rishikesh Kahyap, Managing Director, COFFED; Shri Shambhu Kumar, Deputy Director of Fisheries, Purnea Division, Government of Bihar and Dr Nivedha C K, Innovation Research Fellow, MANAGE-FISHub.

As part of the inaugural proceedings, the dignitaries participated in the ceremonial lighting of the lamp, symbolizing the pursuit of knowledge, enlightenment, innovation, and the collective commitment towards the sustainable development of fisheries and aquaculture.

Dr. Ved Prakash Saini, Dean, College of Fisheries, Kishanganj, BASU, delivered the welcome address and extended a warm welcome to the dignitaries, government officials, academicians, fisheries professionals, startups, aquapreneurs, farmers, students and other stakeholders. He highlighted the importance of bringing diverse stakeholders of the fisheries and aquaculture sector together on a common platform to exchange knowledge, share experiences and explore emerging opportunities. He emphasized the need for stronger institutional collaboration and greater encouragement for students, farmers and aspiring entrepreneurs to explore fisheries entrepreneurship and aquapreneurship as viable avenues for enterprise development and livelihood generation.

***"Collaborative efforts and institutional support are key to creating meaningful platforms for knowledge, innovation and entrepreneurship in fisheries."***
***Dr. Ved Prakash Saini***
***Dean, College of Fisheries, Kishanganj***
***BASU, Bihar***

# Inaugural Session

Dr. Nivedha C K, Innovation Research Fellow, MANAGE-FISHub, provided an overview of the Fisheries-Startup and Aquapreneurship Stakeholders Meet and highlighted the broader purpose of bringing together diverse stakeholders of the fisheries and aquaculture ecosystem. She emphasized that MANAGE-FISHub works towards creating a supportive environment for innovation, entrepreneurship, startup development and stakeholder collaboration in the fisheries sector.

She explained that platforms such as the Stakeholders Meet play an important role in connecting students, fish farmers, fishers, startups, aquapreneurs, researchers, government departments, financial institutions, academic institutions and industry stakeholders. By bringing these diverse groups together, such platforms create opportunities for knowledge exchange, experience sharing, networking and identification of potential areas for collaboration.



**Dr Nivedha C K**
**Innovation Research Fellow**
**MANAGE-FISHub**

Dr. Nivedha highlighted that the Fisheries-Startup and Aquapreneurship Stakeholders Meet was designed not merely as a knowledge-sharing event, but as a platform for building meaningful connections across the fisheries startup ecosystem. She emphasized the importance of connecting knowledge with innovation and innovation with entrepreneurship, so that promising ideas and opportunities can progress towards practical enterprise development.

She emphasized that stronger stakeholder linkages can help connect knowledge, innovation and entrepreneurial opportunities, while encouraging students, farmers and aspiring entrepreneurs to explore fisheries and aquaculture as promising areas for enterprise development.

***"MANAGE-FISHub continues to connect knowledge, innovation and entrepreneurship by bringing together stakeholders to strengthen the fisheries startup ecosystem."***
***Dr Nivedha C K***
***Innovation Research Fellow***
***MANAGE-FISHub***

# Inaugural Session

Shri Rishikesh Kashyap, Managing Director, Bihar State Cooperative Fisheries Federation Ltd. (COFFED), addressed the gathering and emphasized the importance of strengthening the cooperative ecosystem for unlocking the potential of fisheries and agriculture in Bihar. He highlighted the role of strong cooperatives, improved access to finance and effective coordination among stakeholders as important elements for creating a more supportive environment for fisheries development.




**Shri. Rishikesh Kashyap**
**Managing Director**
**COFFED**

He stressed that cooperatives can serve as an important platform for bringing fisheries communities together and strengthening collective efforts. Strong cooperative structures can facilitate better coordination among fishers, fish farmers and other stakeholders while creating greater opportunities for collective participation in fisheries and allied activities. In this context, strengthening the institutional capacity and linkages of cooperative organisations becomes important for supporting the communities associated with the fisheries sector.

Shri Kashyap also emphasized the importance of access to finance in strengthening fisheries and agriculture-based activities. Financial access, when combined with effective institutional coordination, can help stakeholders make better use of available opportunities and strengthen their enterprise activities. He highlighted that the development of the fisheries sector requires not only individual efforts but also coordinated support from cooperatives, financial institutions, government agencies and other ecosystem actors.

He further underlined the need for stronger coordination among different stakeholders working in fisheries and agriculture. Bringing these stakeholders together can facilitate the exchange of knowledge, resources and opportunities and can contribute towards building a more connected ecosystem. The Stakeholders Meet provided an appropriate platform for such convergence by bringing together representatives from government, finance, academia, startups, farmers and fisheries institutions.

His address reinforced the broader objective of the programme to connect stakeholders, strengthen institutional linkages and create an enabling environment for fisheries entrepreneurship and livelihood development in Bihar.

***"Strong cooperatives, better access to finance and effective coordination can unlock Bihar's true potential in fisheries and agriculture."***

***Shri. Rishikesh Kashyap***
***Managing Director, Bihar State Cooperative Fisheries Federation Ltd. (COFFED)***

# Inaugural Session

Shri Shambhu Kumar, Deputy Director of Fisheries, Purnea Division, Government of Bihar, addressed the participants and highlighted the importance of government initiatives, schemes and fisheries development opportunities in creating an enabling environment for fish farmers and aspiring entrepreneurs.

He emphasized the relevance of government support in strengthening the fisheries sector and creating opportunities for people engaged in fisheries and allied activities. For fish farmers and aspiring entrepreneurs, awareness of government initiatives and development opportunities is an important step towards exploring the possibilities available within the fisheries sector.

Shri Shambhu Kumar highlighted that government programmes and fisheries development initiatives can provide an enabling environment for stakeholders to strengthen their activities and explore new avenues of enterprise. Such opportunities become more meaningful when stakeholders are aware of the available support and are able to connect with the relevant institutions and departments.




**Shri Shambhu Kumar**
**Deputy Director of Fisheries**
**Purnea Division**
**Government of Bihar**

His participation also brought the Department of Fisheries, Government of Bihar into direct interaction with farmers, students, startups, aquapreneurs and other stakeholders participating in the programme. This interaction provided an important platform for strengthening communication between the fisheries administration and the wider fisheries community.

He further emphasized the importance of creating awareness among fish farmers and aspiring entrepreneurs so that they can explore fisheries development opportunities and consider entrepreneurship as an avenue for livelihood and enterprise development. The convergence of government representatives with academic institutions, financial organisations and the entrepreneurial community also reflected the importance of coordinated efforts for fisheries development.

His address therefore contributed to strengthening the government–stakeholder interface and reinforced the significance of institutional support in creating an enabling ecosystem for fisheries and aquaculture entrepreneurship.

***"Government initiatives, schemes and fisheries development opportunities can provide an enabling ecosystem for fish farmers and aspiring entrepreneurs."***

***Shri Shambhu Kumar***
***Deputy Director of Fisheries***
***Purnea Division,Government of Bihar***

# Inaugural Session

Dr. Anupam Lal Kusumakar, Assistant General Manager, NABARD, Patna, addressed the gathering and focused on the importance of rural finance, credit support and institutional opportunities in strengthening entrepreneurship and enabling the growth of fisheries enterprises.



**Dr Anupam Lal Kusumakar**
**Assistant General Manager**
**NABARD, Patna**

He highlighted that access to appropriate financial support is an important component of enterprise development, particularly for farmers and aspiring entrepreneurs who seek to establish, expand or strengthen fisheries-based activities. Access to rural finance and credit support can provide entrepreneurs with opportunities to move forward with their enterprise plans and strengthen their economic activities.

Dr. Kusumakar also emphasized the relevance of institutional opportunities in supporting fisheries entrepreneurship. Financial institutions and development organisations form an important part of the wider entrepreneurial ecosystem, and their interaction with farmers, startups and aquapreneurs can help strengthen awareness of the support systems available to rural enterprises.

The presence of NABARD at the Stakeholders Meet provided an important link between the financial ecosystem and the fisheries entrepreneurship ecosystem. Bringing together a development financial institution with government representatives, academic institutions, farmers, startups and entrepreneurs created a platform for understanding entrepreneurship from a broader perspective that includes finance, institutional support and enterprise development.

He highlighted the importance of strengthening connections between fisheries entrepreneurs and financial institutions so that emerging enterprise opportunities can be supported through appropriate institutional mechanisms. Such linkages are particularly relevant for creating an ecosystem in which fisheries enterprises can develop and grow.

His address therefore strengthened the financial dimension of the Stakeholders Meet and highlighted the role of rural finance, credit support and institutional linkages in promoting sustainable fisheries entrepreneurship.

***"Access to rural finance, credit support and institutional opportunities can strengthen entrepreneurship and enable the growth of fisheries enterprises."***

***Dr Anupam Lal Kusumakar***
***Assistant General Manager***
***NABARD, Patna***

# Inaugural Session

Dr. Nirmal Singh Dahiya, Director, Extension Education, BASU, Patna, addressed the gathering and highlighted the potential of integrated fish farming as an approach for improving resource utilisation and enhancing farmers' income.

He emphasized that integrated fish farming can provide farmers with opportunities to make better use of the resources available within their farming systems. By integrating fisheries with other suitable farming activities, farmers can explore diversified production systems and improve the utilisation of available resources.

Dr. Dahiya highlighted the relevance of such integrated approaches from the perspective of farm-level income generation. Better utilisation of available resources can provide opportunities for farmers to diversify their activities and strengthen the economic potential of their farming systems. In this context, fisheries can form an important component of integrated farming systems and contribute to improved resource use.




**Dr. Nirmal Singh Dahiya**
**Director, Extension Education**
**BASU, Patna**

His address also brought the extension education perspective into the Stakeholders Meet. Extension plays an important role in connecting technical knowledge and institutional expertise with farmers at the field level. Creating awareness about suitable farming approaches and providing opportunities for interaction with experts can help farmers understand and explore innovative possibilities.

The discussion on integrated fish farming was particularly relevant to the entrepreneurship-oriented nature of the programme, as it encouraged participants to view fisheries not only as a production activity but also as a potential component of diversified and income-oriented farming systems.

Dr. Dahiya's address therefore connected fisheries, farming, resource utilisation and income generation, while highlighting the importance of knowledge and extension support in encouraging farmers to explore integrated approaches.

***"Integrated fish farming can play an important role in maximising farmers' income through better utilisation of available resources."***

***Dr. Nirmal Singh Dahiya***
***Director, Extension Education***
***BASU, Patna***

# Inaugural Session

The inaugural session was further enriched by the address of the Chief Guest, Dr. Anjani Kumar, Former Director, ICAR-ATARI (Zone IV), Patna. He emphasized the importance of strengthening the connection between research, technology and fisheries stakeholders so that innovations and technological knowledge can effectively reach the field.

Dr. Anjani Kumar highlighted the need for a strong two-way system between research and field-level stakeholders. While research institutions and scientists contribute knowledge and technological solutions, farmers, fishers, entrepreneurs and other fisheries stakeholders provide valuable feedback based on their practical experiences and field-level requirements.

He emphasized that feedback from fisheries stakeholders should form an important part of the process of developing and refining practical solutions. When research and technology are connected with the experiences and requirements of stakeholders, the resulting solutions can become more relevant to real-world conditions and field-level needs.



**Dr. Anjani Kumar**
**Former Director**
**ICAR-ATARI (Zone IV), Patna**

The Chief Guest's message highlighted the importance of moving beyond a one-way flow of technology and knowledge. Instead, he emphasized a continuous interaction in which research informs the field and field-level experiences inform research. Such a two-way approach can strengthen the relevance and practical application of research and technology in the fisheries sector.

He also reinforced the importance of collaboration among research institutions, academic organisations, extension systems, government agencies, farmers, startups and other fisheries stakeholders. Such collaboration can help identify field-level challenges, exchange knowledge and contribute to the development of practical solutions that address the needs of the sector.

His address was particularly relevant to the theme of the Stakeholders Meet, “Connect. Collaborate. Catalyse,” as it emphasized that meaningful innovation requires continuous interaction between knowledge institutions and the people who apply, experience and benefit from those innovations at the field level.

The Chief Guest's address therefore provided an important perspective on strengthening the research–extension–stakeholder interface, with stakeholder feedback serving as an essential component in shaping practical and relevant solutions for fisheries development.

***“Research and technology should reach the field through a strong two-way system, with feedback from fisheries stakeholders helping to shape practical solutions.”***

***Dr. Anjani Kumar***
***Former Director***
***ICAR-ATARI (Zone IV), Patna***

# Inaugural Session
















Glimpses from the Inauguration Ceremony

# Inaugural Session-Vote of Thanks

The inaugural session concluded with a vote of thanks delivered by Dr. Narendra Kumar Verma, Assistant Professor, College of Fisheries, Kishanganj, BASU. He expressed his sincere gratitude to the Chief Guest, Dr. Anjani Kumar, and all the distinguished guests and dignitaries for gracing the occasion and sharing their valuable perspectives with the participants.




**Dr Narendra Kumar**
**Assistant Professor**
**College of Fisheries, Kishanganj**
**BASU, Bihar**

He extended his appreciation to the representatives of the Department of Fisheries, Government of Bihar, NABARD, COFFED, BASU and MANAGE-FISHub for their participation and support in bringing together diverse stakeholders on a common platform. He also acknowledged the valuable presence of farmers, students, startups, aquapreneurs, faculty members, researchers and other fisheries professionals whose participation contributed to the richness of the programme.

Dr. Verma also expressed gratitude to the organising teams of MANAGE-FISHub and the College of Fisheries, BASU, Kishanganj for their coordinated efforts in planning and conducting the Stakeholders Meet. He appreciated the collective contribution of all those involved in facilitating the interactions and activities of the programme.

He acknowledged that the presence and active participation of stakeholders from academia, government, finance, cooperatives, research, extension, farming and entrepreneurship reflected the collaborative spirit of the programme. He expressed hope that the interactions initiated through the Stakeholders Meet would lead to continued networking, institutional linkages and meaningful collaborations in the fisheries and aquaculture sector.

Concluding the inaugural session, Dr. Verma thanked all participants for their valuable presence and encouraged them to actively engage in the startup exhibition and networking, farmer–scientist interaction, technical sessions and startup pitching scheduled as part of the programme.

# Startups Exhibition and Networking
















# Startups Exhibition and Networking












# Farmers–Scientist Interaction – Fostering Entrepreneurship Among Farmers

The Farmers–Scientist Interaction Session was organized with the objective of fostering entrepreneurship among farmers and creating a platform for interaction between farmers, scientists, entrepreneurs, and other fisheries stakeholders. The session provided an opportunity for participants to share their field-level experiences, challenges, ideas, and expectations related to fisheries and aquaculture.

The interaction focused on strengthening the connection between scientific knowledge and practical farming needs, while encouraging farmers to explore entrepreneurship and value-added opportunities in the fisheries sector. The session also facilitated knowledge exchange and discussion on possible solutions to field-level challenges, adoption of improved practices, and opportunities for developing sustainable fisheries-based enterprises.

The interaction was facilitated by Dr. Tun Tun Singh, Assistant Director of Fisheries, Government of Bihar; Dr. Debtanu Barman, CEO & Founder, Aqua Doctor Solutions Pvt. Ltd.; Dr. Abhed Pandey, Associate Professor, College of Fisheries, Kishanganj; Mr. Ashutosh Kumar Singh, Assistant Professor, College of Fisheries, Kishanganj; Dr. Sarvendra Kumar, Assistant Professor, College of Fisheries, Kishanganj; and Mr. Pankaj Kumar, Assistant Professor, College of Fisheries, Kishanganj.

The session served as an important platform for promoting farmer–scientist linkages, innovation, knowledge sharing, and entrepreneurship, supporting the broader objective of strengthening the fisheries and aquapreneurship ecosystem.






# Technical Session

The session featured an invited lecture by Dr. Tun Tun Singh, Assistant Director Fisheries, Government of Bihar, who provided valuable insights into the government's role in strengthening the fisheries and aquaculture sector. The session helped participants understand the importance of institutional support in promoting sustainable fisheries development, improving productivity, and creating viable livelihood and entrepreneurial opportunities.

The interaction focused on various areas of government support relevant to fish farmers and aspiring entrepreneurs, including the adoption of improved fisheries and aquaculture practices, development and expansion of fisheries enterprises, access to government schemes and departmental assistance, infrastructure development, and promotion of fisheries-based livelihoods. The session also highlighted the need for entrepreneurs and farmers to understand available support mechanisms and establish linkages with the concerned fisheries departments and institutions.

Dr. Tun Tun Singh further emphasized the importance of utilizing government programmes and institutional support effectively for transforming innovative ideas into sustainable fisheries enterprises. The session encouraged participants to actively explore available opportunities, seek appropriate technical and institutional guidance, and strengthen their engagement with government agencies for the development of fisheries and aquaculture ventures.



**Dr. Tun Tun Singh**
**Assistant Director Fisheries**
**Government of Bihar**

# Technical Session

Dr. Vinod Kumar, Senior Scientist-cum-Head, KVK, Kishanganj, provided the scientific and extension perspective during the technical session. His interaction focused on the importance of translating scientific knowledge, research findings, and improved technologies into practical applications at the field level for the benefit of farmers and fisheries entrepreneurs.

The session highlighted the role of scientific aquaculture practices, technical advisory services, capacity building, field demonstrations, and farmer-oriented extension support in enhancing productivity, efficiency, and profitability. Participants gained an understanding of how scientific interventions and timely technical guidance can help address field-level challenges and improve the sustainability of fisheries and aquaculture activities.

The session also emphasized the importance of strengthening linkages between farmers, entrepreneurs, and institutions such as Krishi Vigyan Kendras (KVKs). Such institutional linkages can provide access to technical expertise, demonstrations, training, and problem-solving support while encouraging the adoption of suitable technologies.

Dr. Vinod Kumar also highlighted how practical challenges faced by farmers can be viewed as opportunities for innovation and enterprise development. By connecting field-level needs with scientific institutions and appropriate technologies, farmers and aspiring entrepreneurs can identify new opportunities for developing fisheries-based enterprises and value-added livelihood activities.




**Dr. Vinod Kumar**
**Senior Scientist-cum-Head**
**KVK, Kishanganj**

# Technical Session

The technical session on “Schemes Related to Fisheries from NABARD” was delivered by Shri Pushkar Choudhary, DDM, NABARD, Kishanganj, providing participants with valuable insights into the financial and institutional support available for the development of fisheries and aquaculture enterprises.

The session highlighted the role of NABARD in promoting fisheries and aquaculture through financial support, credit facilitation, institutional linkages, and development-oriented interventions. The discussion focused on the importance of accessing appropriate financial resources for establishing, strengthening, and expanding fisheries-based enterprises, while also emphasizing the need for proper financial planning and effective utilization of available support mechanisms.

Participants gained an understanding of the financial opportunities relevant to fish farmers, entrepreneurs, Farmer Producer Organisations (FPOs), startups, and other fisheries stakeholders. The session emphasized the importance of assessing financial requirements, preparing technically and financially viable business proposals, maintaining proper financial planning, and establishing linkages with appropriate financial institutions.

The interaction also highlighted how institutional support from NABARD and other financial agencies can contribute to enterprise development, infrastructure creation, value addition, and expansion of fisheries-related activities. Participants were encouraged to explore relevant financial and development support mechanisms and strengthen their institutional linkages while planning and scaling their fisheries and aquaculture ventures.



**Shri Pushkar Choudhary**
**DDM, NABARD**
**Kishanganj**

# Technical Session

The technical session on “Blue Revolution to Blue Economy: Transforming Indian Aquaculture for Viksit Bharat” was delivered by Dr. Debtanu Barman, CEO & Founder, Aqua Doctor Solutions Pvt. Ltd. The session provided participants with an entrepreneurial and innovation-oriented perspective on the evolving fisheries and aquaculture sector and highlighted the need to transform traditional aquaculture practices into a more productive, sustainable, and market-driven ecosystem.

The discussion emphasized the importance of innovation, technology adoption, entrepreneurship, value addition, efficient resource utilization, and market-oriented approaches in strengthening the aquaculture sector. Participants were encouraged to look beyond conventional fish production and explore opportunities across the entire fisheries value chain, including production, processing, value addition, logistics, marketing, digital solutions, and other emerging areas.

The session also highlighted the growing scope for technology-driven and commercially viable solutions to address challenges faced by farmers and other stakeholders. Farmers, students, startups, and aspiring aquapreneurs were encouraged to identify field-level problems and develop innovative solutions that can improve productivity, reduce operational challenges, enhance profitability, and create new business opportunities.

The interaction further emphasized the role of entrepreneurship and innovation in generating employment, strengthening livelihoods, promoting sustainable aquaculture, and contributing to the broader vision of Viksit Bharat. The session motivated participants to view fisheries not only as a production-based sector but also as a dynamic area for enterprise development, technological innovation, and value creation across the aquaculture value chain.



**Dr. Debtanu Barman**
**CEO & Founder**
**Aqua Doctor Solutions Pvt. Ltd.**

# Technical Session

The technical session also featured an entrepreneurial interaction by Ms. Aastha Singh, Founder & CEO, Gramshree Agri Services Pvt. Ltd., who shared insights from her entrepreneurial journey and experience in developing farmer-centric solutions. She introduced the participants to Gramshree's technology-enabled one-stop support model, which integrates training, technology, agricultural inputs, equipment, expert advisory, and market linkages to address the diverse needs of farmers and rural entrepreneurs.

A key highlight of the session was the Gramshree 5T Model – Tradition, Training, Technology, Trade and Transformation, which focuses on building the capabilities of farmers and transforming them into skilled, technology-enabled, and market-oriented agri-entrepreneurs. The model demonstrated how traditional knowledge and farming practices can be strengthened through systematic training, appropriate technology, access to markets, and continuous handholding support.

The session also showcased the role of initiatives such as the Kisan School, Kisan Mall, and digital platforms in facilitating practical training, access to modern technologies and inputs, expert guidance, advisory services, and market connectivity. The integrated approach presented during the session highlighted the importance of creating an ecosystem where farmers and aspiring entrepreneurs can access multiple services through coordinated institutional and digital support.
The interaction provided participants with practical insights into farmer handholding, technology adoption, entrepreneurship development, value addition, and market linkage. It emphasized that coordinated support across different stages of the value chain can help farmers overcome operational challenges, identify new business opportunities, improve profitability, and develop sustainable rural enterprises, including opportunities within the fisheries and aquaculture sector.



**Mr Aastha Singh**
**Founder & CEO**
**Gramshree Agri Services Pvt. Ltd.**

# Technical Session

The technical session also featured an invited lecture by Mr. Naren Bonerjeee, Director, B P Risk Insurance Pvt. Ltd., bringing an important risk management and private-sector perspective to the fisheries and aquaculture entrepreneurship ecosystem. The session highlighted the significance of identifying, assessing, and managing various risks that may arise during the establishment and operation of fisheries and aquaculture enterprises.

The discussion focused on the need for farmers and entrepreneurs to develop greater awareness of production, operational, financial, market, and other enterprise-related risks that can affect business performance and sustainability. Participants were encouraged to consider risk management as an integral component of business planning rather than as a measure to be considered only after challenges arise.

The session also emphasized the importance of adopting appropriate risk-mitigation approaches and making informed business decisions while planning and expanding fisheries enterprises. Understanding potential uncertainties and preparing suitable risk-management strategies can help entrepreneurs strengthen business resilience and improve the long-term sustainability of their ventures.

The lecture complemented the technical, financial, and entrepreneurial sessions by reinforcing that successful fisheries enterprise development requires a balanced approach involving scientific production, market opportunities, financial planning, entrepreneurship, and effective risk management. The interaction provided participants with a broader understanding of the factors that contribute to building resilient and sustainable fisheries and aquaculture businesses.




**Mr. Naren Bonerjeee**
**Director**
**B P Risk Insurance**
**Pvt. Ltd**

# Startup Pitching Session

## FLOODAL FISH

Organising India's Fragmented Fish Seed Economy – From Hatchery to Farm Pond

**Vision**

To build an organised and accountable fish-seed ecosystem by connecting hatcheries and farmers through a verified marketplace, technology support and end-to-end seed supply.

**Problem**

- Farmers often struggle to verify the quality and reliability of fish seed available through unorganised channels.
- Hatcheries producing quality seed face difficulty in accessing consistent buyers and receiving fair value.
- The fish-seed sector remains fragmented, with small hatcheries and seed farmers operating independently.

**Solution**

- Floodal Fish acts as a bridge between hatcheries and farmers through an organised fish-seed marketplace.
- Provides verified fish seed to farmers at fair prices.
- Supports hatcheries with technology, feed, medicines and broodstock.
- Provides cluster-level and individual hatchery consultancy.
- Organises seed procurement, quality standardisation and marketplace distribution.
- A buyback route is also being developed to extend support beyond the seed stage.



**Mr Umar Abdullah**
**Founder**
**Flooda Fish**

# Startup Pitching Session

**Business Model**

The model generates value through organised seed supply and marketplace transactions, supported by hatchery inputs and consultancy services. The proposed expansion includes buyback of farm produce, direct consumer sales and future exports/imports.

**Current Progress**

- ₹2.8 crore+ revenue reported since April, with ₹25 lakh net.
- Seed supplied to almost every state in India except Kashmir.
- Four core varieties bred in-house: Pangasius, Rupchand, Black Carp and Chital.
- Naihati is being developed into an organised Fish Farmer Production Organisation.

**Core Value Proposition**

From fragmented fish-seed trade to an organised, verified and end-to-end fish-seed ecosystem.

# Startup Pitching Session

## MATSYA SAKHI ENTREPRENEUR MODEL

A Women-Led Last-Mile Fisheries Service Enterprise

**Vision**

To ensure that every cluster of fish farmers has access to a trained local fisheries service entrepreneur who can provide timely, basic pond and fisheries support.

**Problem**

- Fish farmers in villages may not have timely access to basic fisheries services.
- Delayed identification of pond and fish health issues can affect farm productivity.
- Small farmers may also face difficulty accessing essential inputs in small quantities.

**Solution**

Matsya Sakhi acts as the first responder at village level, providing:

- pH and ammonia testing and basic pond assessment.
- Fish sampling and netting demonstrations.
- Feeding and pond-management guidance.
- Access to essential fisheries inputs in small quantities.




**Mr Ambarish Bhaskar**
**Executive, PRADAN ARARIA**
**Livestock and Fisheries Anchor**

# Startup Pitching Session

**Business Model**
The enterprise generates income through:
- Service fees
- Input margins
- Seasonal fisheries-service packages

This creates a sustainable income opportunity for women while providing affordable last-mile services to farmers.



**Working Model**
FPO → Matsya Sakhi → Fish Farmer
FPOs support aggregation and procurement, while Matsya Sakhi provides last-mile services and input access. NGOs, MANAGE-FISHub and BASU provide technical validation, training, certification, digital records, incubation and expert linkages.

**Pilot & Impact**
A proposed pilot in Araria will involve 5 Matsya Sakhis serving around 150–200 fish farmers. The pilot will measure farmers served, ponds tested, services delivered, input sales, Matsya Sakhi income and enterprise sustainability.



**Core Value Proposition**
"LOCAL WOMAN → LOCAL SERVICE → LOCAL FARMERS"
The model creates a women-led local enterprise while strengthening timely fisheries services and input access at the village level.

# Startup Pitching Session

## MATSYA BANDH 360

Flood-Resilient Infrastructure for Fish Ponds

**Presented by:** Alisha Raj
College of Fisheries, Kishanganj, Bihar



**Ms Alisha Raj**
**College of Fisheries**
**Kishanganj**

### Vision

To develop flood-resilient fish ponds that reduce fish escape, crop losses and flood-related damage.

### Problem

- Flooding causes pond overflow and bund damage.
- Fish escape during floods, leading to crop and income losses.
- Farmers often depend on post-flood repairs.

### Solution

- Modular retrofit system for existing fish ponds.
- Perimeter flood shield and fish-lock barrier.
- Controlled spillway for excess water.
- Emergency fish refuge.
- Optional water-level alerts for timely action.

### Business Model

- Basic Shield: ₹15,000–25,000
- 360 Shield: ₹30,000–50,000
- Smart + AMC: ₹40,000–65,000
- Revenue through installation, AMC, smart monitoring and cluster projects.

### Core Value Proposition

"A modular, retrofit-first flood protection architecture for aquaculture ponds."
"

# Startup Pitching Session

## 1. ANTIOXIDANT-ACTIVE BIOPLASTIC FILM

**Presented by: Ms Gayatri Kumari, College of Fisheries, kishanganj**

**Vision**

To convert fishery waste into sustainable, biodegradable packaging solutions.

Problem

- Fish scales and shrimp shells are largely discarded.
- Conventional packaging creates plastic waste.
- Seafood requires packaging that protects freshness and quality.

**Solution**

- Extract collagen from fish scales and antioxidants from shrimp shells.
- Develop biodegradable, antioxidant-active films.
- Use the film for fish and seafood packaging.



**Ms Gayatri kumai**
**College of Fisheries**
**Kishanganj**

**Core Value Proposition**

"Turning fishery waste into sustainable packaging for fresher and safer seafood."

**Target Users**

Fish farmers, seafood processors, retailers, cold-chain and export sectors, and consumers.

# Startup Pitching Session

## A NOVEL HEMOCHROMIC DO INDICATOR STRIP

**Presented by: Mr Aditya Kumar & Mr Shivam Raj**
**College of Fisheries, kishanganj**

### Vision

To provide affordable and electricity-independent dissolved oxygen monitoring for fish farmers.

### Problem

- Low DO stresses fish and can cause mortality.
- Conventional DO meters are costly and calibration-dependent.
- Small farmers need a simple field-level monitoring tool.

### Solution

- Disposable visual DO indicator strip.
- Colour change indicates approximate DO levels.
- Simple, rapid and farmer-friendly.

Core Value Proposition

"See the risk. Act early. Protect the fish."

### Business Model

Strip/card sales, multipacks, institutional orders and regular supply partnerships.



**Mr Aditya Kumar & Mr Shivam Raj**
**College of Fisheries**
**Kishanganj**

# Startup Pitching Session

**AQUA FUME-** An Aroma That Lingers

**Presented by: Ms Juhi Bharti & Mr Raushan Kumar ,College of Fisheries, Kishanganj**



**Ms Juhi Bharti & Mr Raushan Kumar**
**College of Fisheries**
**Kishanganj**

**Vision**

To transform underutilized fish-derived resources into innovative value-added products.

**Problem**

- Fish-processing waste creates disposal and environmental challenges.
- Fish-derived resources remain underutilized.
- Conventional perfumes may lose fragrance rapidly.

**Solution**

- Purified fish-derived oil used as a fragrance carrier.
- Oil is blended with essence and glycerol and matured to create the perfume.
- Designed for prolonged aroma retention.

**Core Value Proposition**

“Transforming fish waste into a distinctive, value-added fragrance.”

# Startup Pitching Session

## HIGH-PROTEIN MAKHANA BAR WITH FPC

**Presented by: Mr Shivam Mishra & Ms Bhawana Shandilya**



**Mr Shivam Mishra & Ms Bhawana Shandilya**
**College of Fisheries Kishanganj**

### Vision

To create an affordable, protein-rich snack by combining makhana with Fish Protein Concentrate (FPC).

### Problem

- Low-valued poorly popped makhana often remains underutilized.
- Consumers seek convenient and protein-rich snacks.

Solution

- Combines makhana with food-grade Fish Protein Concentrate.
- Provides approximately 15 g protein per 50 g bar.
- Cocoa and vanilla are used to improve taste and mask fish odour.

### Business Model

Estimated production cost: ₹34/bar
Proposed selling price: ₹50/bar

### Core Value Proposition

"A protein-rich, ready-to-eat snack combining makhana and fish protein."

# Startup Pitching Session

## FISH-OIL BASED LIP BALM

**Presented by: Ms Raushni Kumari & Mr Shashi Bhushan, College of Fisheries, Kishanganj**

### Vision

To transform fish-processing waste into an eco-friendly personal-care product.

### Problem

- Fish-processing waste is underutilized.
- Disposal creates environmental concerns.
- Conventional lip balms often use petroleum jelly or mineral oils.

### Solution

- Develop a fish-oil-based lip balm.
- Combines fish oil with coconut oil, castor oil, vitamin E, beeswax and shea butter.
- Creates value from an underutilized fisheries resource.

### Business Model

Production cost: ₹285 per 100 g
Estimated revenue: ₹800 per 100 g
Estimated profit: ₹515 per batch

### Core Value Proposition

"From fish-processing waste to wellness."



**Ms Raushni Kumari & Mr Shashi Bhushan**
**College of Fisheries**
**Kishanganj**

# Startup Pitching Session

## AQUA SAMADHAN

**Presented by: Mr Ankit Raj, Mr Kshitij Singh &Mr Rohit Kumar Tejaswi**

### Vision

To bridge the gap between fisheries farmers, students and academia through a unified digital platform.

### Problem

- Lack of area-specific consultancy and reliable information.
- Limited access to field-based solutions and learning resources.
- Poor connectivity between farmers, students and research.

### Solution

- Digital platform integrating farmers, academics and students.
- Consultancy, extension services, knowledge database and discussion portal.
- Information on hatcheries, feed suppliers, KVKs and market linkages.

### Business Model

Ad revenue, consultancy commissions, marketing commissions, sponsorships and product placement.

### Core Value Proposition

“Connecting aquaculture knowledge, consultancy and field-level problem solving.



**Mr Ankit Raj, Mr Kshitij Singh &Mr Rohit Kumar Tejaswi**
**College of Fisheries Kishanganj**

# Startup Pitching Session

## ECONANOTRAP ISLAND

**Presented by: Mr Rahul Anand & Mr Amit Kumar**
**College of Fisheries, Kishanganj**

### Vision

To develop a circular, low-energy system for aquatic pollution remediation.

Problem

- Nanoparticle pollution threatens aquatic ecosystems.
- Conventional remediation can be energy- and infrastructure-intensive.
- Invasive aquatic weeds are also underutilized.

### Solution

- Floating bioremediation platform using invasive aquatic weeds.
- Converts water hyacinth into functional biochar.
- Combines biochar adsorption, microbial activity and plant-based remediation.

### Business Model

Product sales, installation, customization, maintenance, media replacement and monitoring services.

### Core Value Proposition

"From invasive weeds to a low-carbon intelligent remediation system."




**Mr Rahul Anand & Mr Amit Kumar**
**College of Fisheries**
**Kishanganj**

# Startup Pitching Session

## AQUAMITRA- Aquascaping for Everyone

**Presented by: Mr Siddharth Singh, College of Fisheries, Kishanganj**

**Vision**

To make aquascaping accessible, affordable and sustainable for beginners.

Problem

- Traditional aquariums can be expensive and complex.
- Beginners struggle with water chemistry and maintenance.
- Limited space makes large tanks unsuitable for many urban users.

**Solution**

- Curated all-in-one aquarium starter kits.
- Guided digital setup instructions.
- Natural ecosystem approach using live plants.
- Compact 5-gallon “Desktop Oasis” starter kit.

**Business Model**

D2C kit sales, quarterly care subscriptions and B2B sales to schools and offices.

Core Value Proposition

“A beginner-friendly desktop aquatic ecosystem that makes aquascaping simple and affordable.”



**Mr Siddharth Singh**
**College of Fisheries**
**Kishanganj**

# Startup Pitching Session

## GRAVITY-MODE COLUMN FILTRATION UNIT

**Presented by: Mr Ashish Kumar & Ms Monika Kumawat, College of Fisheries, Kishanganj, Bihar**

**Vision**

To provide a simple, affordable and sustainable water filtration solution using agro-waste materials.

Problem

- Water contamination from industrial discharge, agricultural runoff and domestic wastewater.
- Heavy metals, pesticides and other pollutants affect human health, aquatic life and food production..

**Solution**

- Gravity-driven filtration unit requiring no electricity.
- Uses agro-waste-based adsorbents such as sugarcane bagasse.
- Modular design with replaceable filter media.
- Suitable for rural and off-grid applications.

**Business Model**

- Filtration unit and modular kit sales.
- Installation and water-testing services.
- Filter-media replacement and maintenance.

**Core Value Proposition**

"Value from waste. Clean water for a better tomorrow."

Uses low-value agricultural biomass to create an affordable, eco-friendly filtration solution.



**Mr Ashish Kumar & Ms Monika Kumwat**
**College of Fisheries**
**Kishanganj**

# Startup Pitching Session

## AQUA ARMOUR – THE IRON REMEDIATION

**Presented by: Mr. Rustam, Mr. Akhlaque & Tauqeer Samar**

**Vision**

To convert fish-scale waste into an effective biochar-based solution for iron-contaminated water.

**Problem**

- Large quantities of fish scales are generated as waste.
- Excess iron in aquatic systems can affect fish health and water quality.
- There is a need for sustainable and affordable remediation approaches.

**Solution**

- Converts fish scales into engineered biochar through pyrolysis.
- Biochar adsorbs and immobilizes dissolved iron from contaminated water.
- Can be incorporated into a filtration column for water treatment.

**Key Result**

80% iron removal — Fe concentration reduced from 10 ppm to 2 ppm in the presented test.

**Core Value Proposition**

“From fish-scale waste to engineered biochar for cleaner water.”



**Mr Rustanm & Mr Tauqeer Samar**
**College of Fisheries Kishanganj**

# Startup Pitching Session

## WEEDVARADAN – ECOKUMBHI

**Presented by: Nikesh Kumar**
**College of Fisheries, Kishanganj**



**Mr Nikesh Kumar**
**College of Fisheries**
**Kishanganj**

### Vision

To convert invasive water hyacinth into sustainable, zero-tree packaging products.

### Problem

- Water hyacinth reduces dissolved oxygen and affects fish survival.
- It disrupts aquatic ecosystems and fishing activities.
- Rotting biomass can contribute to greenhouse gas emissions.

### Solution

- Harvest and dry water hyacinth.
- Extract cellulose fibres and convert them into pulp.
- Produce eco-friendly packaging, paper and disposable products.
- Recycled paper can be blended for improved strength.

### Business Model

B2B packaging sales • Disposable plates • Government projects • Carbon credits.

### Core Value Proposition

“Zero-tree packaging from invasive aquatic weeds.”

# Startup Pitching Session

## WEEDVARADAN – ECOKUMBHI

Presented by: Nikesh Kumar
College of Fisheries, Kishanganj




**Ms Anamika SIngh**
**College of Fisheries**
**Kishanganj**

### Vision

To convert invasive water hyacinth into sustainable, zero-tree packaging products.

### Problem

- Reduces dissolved oxygen and affects fish survival.
- Disrupts aquatic ecosystems and fishing activities.
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### Solution

- Harvest and dry water hyacinth.
- Extract cellulose fibre and convert it into pulp.
- Produce eco-friendly packaging, paper and disposable products.
- Blend with recycled paper for improved strength.

### Business Model

B2B packaging sales • Disposable products • Government projects • Carbon credits

Core Value Proposition
“Zero-tree packaging from invasive aquatic weeds.”

# AquaTalks: Voices from the Fisheries Startup & Aquapreneurship Stakeholders Meet

As part of the Fisheries Startup and Aquapreneurship Stakeholder Programme, the AquaTalks initiative of MANAGE-FISHub featured a series of engaging podcast conversations hosted by Dr. Nivedha C. K., Innovation Research Fellow, MANAGE-FISHub.

The podcast conversations featured fisheries startup founders, aquapreneurs, industry experts, and programme participants, offering diverse perspectives on entrepreneurship, innovation, business opportunities, value addition, marketing, and emerging trends in the fisheries sector. Entrepreneurs shared their experiences and practical insights, while participants reflected on their learning, challenges, and entrepreneurial aspirations.

Through AquaTalks, expert knowledge, entrepreneurial experiences, and stakeholder perspectives were brought together as a digital knowledge resource, extending the impact of the Fisheries Startup & Aquapreneurship Stakeholder Programme to a wider audience through the MANAGE-FISHub YouTube channel.












# Valedictory Address

The Valedictory Session of the Fisheries-Startup and Aquapreneurship Stakeholders Meet concluded with a Concluding Address by Dr. Ved Prakash Saini, Dean, College of Fisheries, BASU. He reflected on the key outcomes of the programme and appreciated the active participation of students, farmers, entrepreneurs, researchers, experts, startups, and other stakeholders.

Dr. Saini highlighted the importance of transforming scientific knowledge, innovative ideas, and field-level experiences into practical entrepreneurial opportunities in fisheries and aquaculture. He emphasized the need for stronger linkages among academia, government departments, financial institutions, startups, entrepreneurs, and farming communities to promote innovation and sustainable growth.

He appreciated the technical sessions, farmer–scientist interaction, startup exhibition, networking activities, and startup pitching sessions, which provided participants with opportunities to exchange knowledge, receive expert guidance, and explore new business possibilities.

He encouraged students and aspiring entrepreneurs to continue developing innovative solutions and to focus on market-oriented, sustainable, and scalable enterprises that can contribute to livelihood generation and the development of the fisheries sector.

He also expressed appreciation to MANAGE-FISHub, MANAGE, BASU, College of Fisheries, Kishanganj, resource persons, experts, participants, and the organizing team for their valuable contribution to the successful conduct of the programme.




**Dr Ved Prakash Saini**
**Dean**
**College of Fisheries**
**Kishanganj**

# Vote of Thanks

Dr. Tapas Paul, Assistant Professor, College of Fisheries, BASU, delivered the Vote of Thanks at the Fisheries-Startup & Aquapreneurship Stakeholders Meet. He expressed his sincere gratitude to all the dignitaries, experts, entrepreneurs, startups, researchers, students, farmers, and stakeholders for their valuable presence and active participation in the programme.

He conveyed his special thanks to Dr. Saravanan Raj, Director (Agricultural Extension), MANAGE, Hyderabad, for his leadership, guidance, and support in facilitating the collaboration between MANAGE-FISHub and the College of Fisheries, BASU, Kishanganj. He appreciated MANAGE-FISHub's efforts in bringing together diverse fisheries stakeholders and creating a platform for knowledge sharing, networking, innovation, and entrepreneurship.

Dr. Tapas Paul also expressed his sincere gratitude to Dr. Ved Prakash Saini, Dean, College of Fisheries, BASU, and the faculty and staff of the College for their valuable cooperation, coordination, and support in successfully hosting the programme.
He extended his thanks to Dr. Anjani Kumar, Former Director, ICAR-ATARI (Zone IV), Patna, the Guest of Honour Dr. Nirmal Singh Dahiya, Director Extension Education, BASU, and all the invited experts and resource persons for sharing their valuable knowledge, experiences, and guidance with the participants.



**Dr Tapas Paul**
**Assistant Professor**
**College of Fisheries**
**Kishanganj**

He appreciated the enthusiastic participation of fish farmers, startups, aquapreneurs, students, researchers, and entrepreneurs in the technical sessions, farmer–scientist interaction, startup exhibition, networking, and startup pitching activities. He noted that their active engagement and exchange of ideas added significant value to the programme.

Dr. Tapas Paul also acknowledged the dedicated efforts of the MANAGE-FISHub team, BASU, College of Fisheries, organizing committee, faculty members, staff, and volunteers for their coordination and commitment towards the successful conduct of the event.

He concluded by expressing his gratitude to MANAGE-FISHub and the College of Fisheries, BASU, Kishanganj, and hoped that the collaboration would continue to create opportunities for innovation, entrepreneurship, stakeholder networking, and sustainable development in the fisheries and aquaculture sector. The programme concluded with the National Anthem.

# Media Coverage

The media coverage of the Fisheries-Startup and Aquapreneurship Stakeholders Meet, organized under the MANAGE-FISHub initiative in collaboration with the College of Fisheries, Kishanganj, Bihar Animal Sciences University (BASU), highlighted the growing opportunities for fisheries entrepreneurship and aquapreneurship in Bihar and the wider Blue Economy.

Leading regional print and digital media platforms covered the event, highlighting its role in bringing together fisheries students, entrepreneurs, fish farmers, startups, experts and other stakeholders on a common platform. The coverage emphasized the programme's contribution towards creating awareness about entrepreneurship opportunities, government support schemes, innovation, market linkages and startup development in the fisheries sector.



## मात्स्यिकी महाविद्यालय में जुटे देश-प्रदेश के विशेषज्ञ, नवाचार पर हुआ महामंथन

**प्रतिनिधि, पहाड़कट्टा**

पोठिया प्रखंड के मात्स्यिकी महाविद्यालय में अररिया में राष्ट्रीय कृषि विस्तार प्रबंधन संस्थान के मैनेज-फिशब, हैदराबाद एवं बिहार पशु विज्ञान विश्वविद्यालय, पटना के सहयोग से मात्स्यिकी महाविद्यालय में मात्स्यिकी नवाचारों एवं जलीय उद्यमिता हितधारकों की एक बैठक आयोजित हुई. कार्यक्रम के उद्घाटन सत्र में महाविद्यालय के डीन डॉ वेद प्रकाश सैनी ने अपने संबोधन में कॉलेज ऑफ फिशरीज अररिया की शैक्षणिक एवं अनुसंधान गतिविधियों की जानकारी दी. कहा कि यह आयोजन मात्स्यिकी शिक्षा, अनुसंधान और उद्योग को एक मंच पर लाने की दिशा में महत्वपूर्ण पहल है. उन्होंने कहा कि किशनगंज में इस प्रकार का आयोजन विद्यार्थियों, मत्स्य किसानों, युवा उद्यमियों और उद्योग जगत को नए विचारों एवं तकनीकों से जोड़ने का अवसर प्रदान करेगा. साथ ही उन्होंने यह विश्वास व्यक्त किया कि यह मात्स्यिकी हितधारकों (स्टेकहोल्डर्स) की बैठक मात्स्यिकी क्षेत्र में नवाचार, रोजगार और उद्यमिता की नई संभावनाओं को गति देने के साथ-साथ बिहार में सतत् मत्स्य विकास और नीली आर्थिकी को मजबूत करने में उपयोगी सिद्ध होगा.

इस अवसर पर मत्स्य सहकारी समिति के प्रबंध निदेशक ऋषिकेश कश्यप, पूर्णिया प्रमंडल के मत्स्य उप निदेशक शंभू कुमार, राष्ट्रीय कृषि और ग्रामीण विकास बैंक (नाबार्ड), पटना के सहायक महाप्रबंधक डॉ अनुपम लाल कुसुमाकर तथा बिहार पशु विज्ञान विश्वविद्यालय, पटना के निदेशक प्रसार शिक्षा डॉ निर्मल सिंह दहिया ने प्रतिभागियों को संबोधित किया. जबकि कार्यक्रम के मुख्य अतिथि एवं भारतीय कृषि विज्ञान परिषद कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (जोन IV), पटना के पूर्व निदेशक डॉ अंजनी कुमार ने अपने संबोधन में मात्स्यिकी क्षेत्र में नवाचार एवं उद्यमिता के महत्व पर विचार रखे. बैठक में मत्स्य स्टार्टअप, एक्वाप्रेन्योर, मत्स्य पालक, विद्यार्थी, शोधकर्ता, वित्तीय संस्थान, सरकारी विभाग, उद्योग, सहकारी समितियां, स्वयं सहायता समूह, इनक्यूबेटर एवं नवाचार केंद्रों से जुड़े हितधारकों ने भाग लिया.

बैंक ऑफ़ बड़ौदा Bank of B

Saturday, September 19, 2026
Kishanganj
https://epaper.prabhatkhabar.com/clip/6aad84ac31853229ba751312



## जलीय उद्यमिता को मिलेगा नया आयाम

पोठिया, निज संवाददाता। गुरुवार को मिस्यियकी महाविद्यालय कॉलेज ऑफ फिशरीज, अररिया, किशनगंज में राष्ट्रीय कृषि विस्तार प्रबंधन संस्थान के मैनेज-फिशब, हैदराबाद एवं बिहार पशु विज्ञान विश्वविद्यालय, पटना के सहयोग से मात्स्यिकी महाविद्यालय में मात्स्यिकी नवाचारों एवं जलीय उद्यमिता हितधारकों की बैठक का आयोजन किया गया। इस कार्यक्रम का मुख्य उद्देश्य मात्स्यिकी एवं जलीय कृषि क्षेत्र में नवाचार, स्टार्टअप, उद्यमिता, तकनीकी अपनाने तथा किसानों, वैज्ञानिकों, उद्योग और वित्तीय संस्थानों के बीच सहयोग को बढ़ावा देना रहा।



कार्यक्रम का दीप प्रज्वलित करते महाप्रबंधक डॉ. अनुपम लाल कुसुमाकर व अन्य।

कार्यक्रम के उद्घाटन सत्र में महाविद्यालय के डीन डॉ. वेद प्रकाश सैनी ने स्वागत भाषण देते हुए कॉलेज ऑफ फिशरीज, किशनगंज की शैक्षणिक एवं अनुसंधान गतिविधियों की जानकारी दी।

इस विशेष आयोजन में मात्स्यिकी नवाचार (फिशरीज स्टार्टअप), जलीय उद्यमिता, मत्स्य विद्यार्थी एवं शोधकर्ताओं समेत मत्स्य क्षेत्र से जुड़े विभिन्न हितधारक एक साझा मंच पर जुटे। आयोजित कार्यक्रम में मुख्य रूप से डॉ. वेद प्रकाश सैनी एवं मात्स्यिकी महाविद्यालय के डॉ. नरेंद्र, डॉ. वी पी सैनी अधिष्ठाता, मात्स्यिकी महाविद्यालय) डॉ. अनुपम लाल कुसुमाकर सहायक महाप्रबंधक, राष्ट्रीय कृषि और ग्रामीण विकास बैंक, पटना, ऋषिकेश कश्यप प्रबंध निदेशक, मत्स्य सहकारी समिति, पटना), डॉ. अंजनी कुमार पूर्व निदेशक, कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान और निर्मल सिंह दहिया कृषि प्रसार विभाग के निदेशक एवं अन्य लोग थे।






## क्रांतिदूत हिन्दी दैनिक न्यूज़

शुक्रवार 18-सितम्बर-2026 किशनगंज संस्करण

बिहार | किशनगंज | पोठिया प्रखंड

डॉ. कलाम कृषि महाविद्यालय के मत्स्य पालन विभाग की ओर से अररिया में आयोजित हुआ कार्यक्रम

### अररिया कृषि कॉलेज में फिशरीज स्टार्टअप कार्यक्रम, युवाओं और किसानों को बताए स्वरोजगार के अवसर

मत्स्य पालन मे अपार संभावनाएं, आधुनिक तकनीक से बढ़ेगी किसानों की आय : विशेषज्ञ

कार्यक्रम की मुख्य बातें

- बिहार में मत्स्य पालन के क्षेत्र में व्यापक संभावनाएं हैं।
- युवाओं और किसानों को आधुनिक तकनीक से जो..ने की जरूरत।
- 3 से 4 दिनों तक चलेगा कार्यक्रम, मिलेगा उद्यमिता व तकनीकी मार्गदर्शन।
- पकड़ान, मछली का अचार, रेसम व वेस्टेज से बनी सोभायनी समेत विभिन्न उत्पादों की प्रदर्शनी लगी।



मछली पालन नवाचार: उद्यमिता को बढ़ावा देने की बैठक

किशनगंज में मछली पालन नवाचार और जलीय उद्यमिता पर मंथन. विशेषज्ञों, किसानों और स्टार्टअप्स ने AI, IoT और नई तकनीकों पर

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मछली पालन में एआई और नयी तकनीक पर चर्चा, अररिया कॉलेज में जुटे विशेषज्ञ

https://www.prabhatkhabar.com/state/bihar/kishanganj/arrabari-fisheries-college-innovation-aquatic-entrepreneurship

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अररिया कृषि कॉलेज में फिशरीज स्टार्टअप कार्यक्रम: युवाओं और किसानों को मत्स्य पालन में उद्यमिता की जानकारी दी गई

शम्भीर आलम | पोठिया, किशनगंज (बिहार)

12 दिन पहले



# Organizing Team


**Dr. Inderjeet Singh**
Hon. Vice-Chancellor
Bihar Animal Sciences University (BASU)
Patna, Bihar

**Dr. Saravanan Raj**
Director (Agricultural Extension), MANAGE &
CEO, MANAGE-FISHub
Rajendranagar, Hyderabad
ceomfishub@gmail.com

**Dr. Ved Prakash Saini**
Dean
College of Fisheries, BASU
Kishanganj, Bihar
deancof-basu-bih@gov.in

**Dr. S. Raahalya**
Innovation Scaling Specialist
MANAGE- FISHub
Rajendranagar, Hyderabad
sandipamuraahalya@gmail.com

**Dr. Narendra Kumar Verma**
Assistant Professor
College of Fisheries, BASU
Kishanganj, Bihar
fisheynarendra@gmail.com

**Dr. Nivedha C K**
Innovation Research Fellow
MANAGE- FISHub
Rajendranagar, Hyderabad
nivedhanive05407@gmail.com

**Dr. Tapas Paul**
Assistant Professor
College of Fisheries, BASU
Kishanganj, Bihar
tapaspaul0511@gmail.com

**Dr. R. Naganna**
Business Executive
MANAGE- FISHub
Rajendranagar, Hyderabad
M.No.+91 7990842149
mfishubstakeholdersmeet@gmail.com

**Ms. Tenji Pem Bhutia**
Assistant Professor
College of Fisheries, BASU
Kishanganj, Bihar
tenzipem2@gmail.com



**Report Prepared by**
**Dr Nivedha C K**
**Innovation Research Fellow**
**MANAGE- FISHub**
**Rajendranagar, Hyderabad**



**MANAGE Fisheries Innovation and Startup Hub (MANAGE - FISHub)**
(A National Fisheries Incubation Centre Supported by the Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India)
**National Institute of Agricultural Extension Management (MANAGE)**
(An Autonomous Organization of Ministry of Agriculture and Farmers Welfare, Govt. of India)
**Rajendranagar, Hyderabad – 500 030, Telangana, India**
https://www.manage.gov.in/managefishub/

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