



REPORT

FDP: "Smart and Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact Big Data for Societal Impact"

5–20 September 2025

Basavarajeswari Group of Institutions

ಬಳ್ಳಾಲಿ ಇನ್ಸ್ಟ್ ಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್ ಮೆಂಟ್, ಬಳ್ಳಾಲಿ

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

Autonomous Institute under Visvesvaraya Technological University, Belagavi (Recognized by Govt. of Karnataka & AICTE, New Delhi)

"Jnana Gangotri" Campus, #873/2, Ballari-Hosapete Road, Near Allipura, Ballari-583 104 (Karnataka)

Summary:

The Ballari Institute of Technology and Management (BITM), Ballari, Department of Computer Science and Engineering (Data Science), successfully organized a one-week Faculty Development Program (FDP) sponsored by AICTE Training and Learning (ATAL) Academy on the theme "Smart and Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact" from September 15 to 20.

The objective of this FDP was to provide faculty members and researchers with practical knowledge of *Precision Farming*, *Smart Irrigation*, *Agricultural Data Analytics*, and *Sustainable Agricultural Practices* through the application of *Artificial Intelligence (AI)*, *Internet of Things (IoT)*, and *Big Data* technologies.

During the six-day program, eminent experts from various institutions across the country delivered insightful lectures and conducted hands-on sessions.

- **Day 1:** Dr. Tripti Swarnkar (NIT Raipur), Dr. Jagadeesh R. M. (BITM), and Mrs. Kaveri Bommanakatti (Delight Pvt. Ltd., Bengaluru) delivered sessions on *AI-based Crop Monitoring*, *Disease Detection (Practical)*, and *Crop Monitoring using Big Data*.
- **Day 2:** Dr. Sharangouda Hiregoudar spoke on *Nanotechnology in Food Processing*, Dr. Suresh Y. on *AI-based Agricultural Practices*, and Mr. Hemant Kumar conducted a *Google Cloud and Machine Learning (Hands-on)* session.
- **Day 3:** Dr. Rupam Kumar Sharma delivered a practical session on *Genetic Trait Mapping and Quantitative Trait Locus Mapping in Maize*, and Dr. Renuka Sagar spoke on *Drone-based Crop Disease Detection*.
- **Day 4:** Mr. Vishwanath Gowda H. discussed *Smart and Sustainable Agriculture through AI, IoT, Big Data, Cybersecurity, and Cloud (AWS)*; Dr. Aradhana D. delivered a session on *Fruit Quality Estimation using Computer Vision*; and Mr. Raymond Irudayaraj I. spoke on *IoT Innovations for Smart and Sustainable Agriculture*.
- **Day 5:** An *industrial visit* to *Krishi Vigyana Kendra, Hagari* was organized. Dr. Shiba Narayan Swain, Professor, Department of Computer Science and Engineering, *IIT Dharwad*, delivered a session on *AI and Blockchain for Next-Generation Agricultural Technologies* and conducted practical demonstrations.
- **Day 6:** Dr. Manjunath Kumar B. H., Professor and Head, Department of Computer Science and Engineering, *SJC Institute of Technology, Chikkaballapur*, presented a session on *IoT and Edge AI in Smart Farming*, and Mrs. Tejashwini S. G. (Accenture, Bengaluru) conducted a handson session on *Agricultural Data Analytics using Power BI*.

The **Valedictory Function** was held on the final day, where a summary of the week-long activities was presented, and participants were awarded certificates from the *AICTE ATAL Academy*.

The **Chief Patrons** of the FDP were *Dr. Yashwanth Bhupal* (Chairman, BITM), *Prof. Y. J. Pruthviraj Bhupal* (Director), *Dr. Yadavalli Basavaraj* (Principal), and *Dr. B. S. Khened* (Vice Principal). The program was convened by *Dr. Aradhana D.* (HoD, CSE-DS) and *Dr. R. N. Kulkarni* (Dean and HoD, CSE). *Dr. Jagadeesh R. M.*, *Dr. Renuka Sagar*, and *Mr. Ajar Baig M.* served as *Course Coordinators*, while *Mr. Manjunath Kammar* served as *Course Secretary*.

The one-week FDP concluded successfully, providing participants with valuable practical insights into the use of modern technologies in agriculture.

Resource Person Details:

1. Dr. Tripti Swarnkar

It is an honor to welcome **Dr. Tripti Swarnkar**, Professor in the Department of Computer Applications at **NIT Raipur**. With over **25 years of academic excellence**, she holds a Ph.D. from **IIT Kharagpur** and specializes in **Bioinformatics and Machine Learning**. Dr. Swarnkar has published **300+ papers** and authored books with **Springer**, **Elsevier**, **and CRC Press**. She has led **AI-based healthcare projects** and chaired major conferences. A **Senior IEEE Member** and **WIE Chair Awardee** (**2023**), she is an inspiring researcher blending **AI**, **data science**, **and healthcare innovation**.

2. Ms. Tejashwini S. G

We are delighted to welcome **Ms. Tejashwini S. G**, Team Lead at **Accenture** and former Assistant Professor at **BITM**, **Ballari**. She holds a **B.E. in Information Science**, **M.Tech. in Digital Electronics**, and is pursuing her **Ph.D. in Machine Learning** from **VTU**. With experience in **Power BI**, **Data Engineering**, and **Cloud Services**, she has received multiple **ACE Awards** for excellence in analytics and reporting.

3. Mr. Hemanth Kumar

It is our privilege to welcome Mr. Hemanth Kumar, an Enterprise Cloud Architect with over 25 years of global experience across the USA, UK, Australia, and India. He holds certifications from Microsoft, Google, and IBM, and has led cloud transformation projects for leading banks like RBS, JP Morgan, and Swiss Bank. A visionary in Cloud Computing, AI, and DevOps, he continues to inspire through his leadership and innovation.

4. Mr. Vishwanath Gowda H

Mr. Vishwanath Gowda H, Chief Technical Security Officer, Commonwealth Bank of Australia, delivered an insightful session on "Smart & Sustainable Agriculture Leveraging AI, IoT, Big Data, Cyber Security, and Cloud (AWS)" on 18th September 2025 as part of the AICTE-ATAL Sponsored FDP on "Smart & Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact," organized by the Department of CSE (Data Science), BITM, Ballari.

5. Dr. Rupam Sharma

It's a pleasure to welcome **Dr. Rupam Sharma**, Assistant Professor at **Rajiv Gandhi University**, **Arunachal Pradesh**. He holds a **Ph.D. in Computer Science** from **NEHU** and has authored books on **Data Science and Soft Computing**. His research focuses on **Deep Learning**, **IoT**, **and Intelligent Systems**, and he holds patents for innovative technologies like **Automated Tea Leaf Harvesting Machines**.

6. Dr. Sharanagouda Hiregoudar

We are honored to welcome **Dr. Sharanagouda Hiregoudar**, Professor and Head of **Processing & Food Engineering**, UAS Raichur. A **Ph.D. holder** with a **Post-Doctoral Fellowship from Canada**, he has published **119 papers**, holds **6 patents**, and led **24 projects worth ₹25 crores**. A recipient of the **APJ Abdul Kalam Lifetime Achievement Award**, he is a pioneer in **anotechnology and Food Processing Innovation**.

7. Dr. Aradhana D

It's our pleasure to introduce **Dr. Aradhana D**, Professor and Head, **CSE** (**Data Science**) at **BITM**, **Ballari**. With over **27 years of teaching** and **15 years of research experience**, she has contributed extensively to **AI**, **Data Science**, **and Image Processing**. She has filed multiple **AI-based patents** and led numerous FDPs and research initiatives.

8. Dr. Renuka Sagar

We warmly welcome **Dr. Renuka Sagar**, Professor in **AI & ML** at **BITM**, **Ballari**. With **18 years of experience**, she has authored books, holds **two international patents**, and received several awards including **Bharat Education Excellence** (**2024**). She founded BITM's **IoT & Embedded Systems Labs** and continues to lead impactful research in **AI and Healthcare Technologies**.

9. Dr. Yeresime Suresh

It gives me great pleasure to welcome **Dr. Yeresime Suresh**, Professor and Head, **CSE–AI**, **BITM**, **Ballari**. He holds a **Ph.D. from NIT Rourkela** and has over **15 years of academic and research experience** with **40+ publications**. His research focuses on **AI**, **Machine Learning**, and **Software Engineering**, and he is an active member of **IEEE and ISTE**.

10. Ms. Kaveri Bammanakatti

We are delighted to welcome **Ms. Kaveri Bammanakatti**, Software Engineer at **DLithe Consultancy Services Pvt. Ltd.** A skilled **Full-Stack Developer**, she works with **Python, React, and Node.js**, developing innovative web solutions. A graduate of **VTU**, she has shown exceptional leadership and creativity in software development projects.

11. Dr. Manjunatha Kumar B. H

It is an honor to introduce **Dr. Manjunatha Kumar B. H**, Professor and Head, **CSE**, at **SJC Institute of Technology, Chikkaballapur**. With over **20 years of experience**, he has contributed significantly to **AI and Natural Language Processing**, and published several notable research papers. A dedicated academician and IEEE member, he has led FDPs, guided researchers, and contributed to technological advancement.

12. Dr. Siba Narayan Swain

We are honored to welcome Dr. Siba Narayan Swain, Assistant Professor at IIT Dharwad and Associate Dean, Faculty Welfare. He completed his Ph.D. at IIT Madras and specializes in 5G, 6G, AI, and Blockchain-based Networks. With both academic and industry experience, he has led **SERB-funded** projects multiple and delivered talks global platforms.

BROCHURE:

KEY TOPICS:

- Introduction to Smart Agriculture
- · Artificial Intelligence in Agriculture
- IoT Applications in Agriculture
- · Big Data and Analytics in Agriculture
- Sustainable Agricultural Practices

OBJECTIVES OF THE FDP:

- To introduce faculty members to the latest Al, IoT, and Big Data technologies in agriculture.
- To enhance understanding of precision farming and smart irrigation techniques.
- To explore the role of data analytics in agricultural decision-making.
- To discuss sustainability challenges and solutions in modern agriculture.
- To provide hands-on experience with Al models, IoT sensors, and data visualization tools.

Eligibility: Faculty members from AICTEapproved institutions, research scholars, PG scholars, government officials, industry professionals (bureaucrats/technicians/other participants), and staff of host institutions are eligible to participate.

Note: Not more than 30% of the participants shall be from the host institution.

Registration: There is No Registration Fee. To join this Offline FDP, you are requested to register your name by clicking the registration link:

https://www.aicte-india.org/atal

Resource Person: Academicians **Industry Experts.**

Note: The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the FDP.



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI, KARNATAKA (Autonomous Institute under VTU, Belagavi)

ONE WEEK ATAL FDP 2025-26

"Smart and Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact

Sponsored by ATAL AICTE Training & Learning Academy) 15-20, September 2025

Organized by Department of CSE(Data Science), BITM

Dr. Jagadish R. M Professor, Dept. of CSE(DS), M: +91 99865 95484 jagadishrm@bitm.edu.in

Dr. Renuka Sagar Professor, Dept. of AIML M: +91 9986164678 renukasagar@bitm.edu.in

Mr. Azhar Baig M Asst Professor, Dept. Of CSE(DS), M: +91 9900653521 azharbaig@bitm.edu.in

CHIEF PATRONS:

Dr. Yashvanth Bhupal Chairman, BITM & Chancellor, Kishkinda University, Ballari

Prof. Y.J Prithviraj Bhupal Director, BITM &
Pro-Chancellor, Kishkinda University, Ballari

PATRONS:

Dr. Yadavalli Basavaraj ENGINEE Principal, BITM

> Dr. B. S. Khened Vice Principal, BITM

CONVENERS:

Dr. Aradhana D Prof. & Head, Dept. of CSE(DS), BITM

Dr. R.N Kulkarni Dean & Head, Dept. of CSE, BITM

TECHNICAL ADVISORY COMMITTEE:

Dr. B. M. Vidyavathi, Prof. & Head, Dept. of AIML, BITM

Dr. Suresh Y, Prof. & Head, Dept. of CSE(AI), BITM

COURSE SECRETARY

Mr. Manjunath Kammar, Asst Professor, Dept. of CSE (DS) M: +91 8095101442





About BITM:



Ballari Institute of Technology & Management, Ballari was established in the year 1997 with a sole objective to provide quality & affordable education, in this backward district of Karnataka. The campus is spread over 11 acres of greenery with eco-friendly surroundings, has facilities that are a class apart, combining aesthetics with modernity. As per the report of D.M. Nanjundappa (Deputy Chair of the Karnataka State Planning Board), in the year 2013, Govt. of India has given special status under Article 371-10 until the education system in this Kalyana Karnataka (Hyderabad -Karnataka Region).

BITM is an Autonomous Institute under VTU, Belagavi.
Institution has actionable outcome based education across
the institute & has successfully obtained NBA for Grade with
CGPA of 3.27 and NBA Accreditation for 5 UG Programs (i.e.,
CSE, ECE, ME, EEE & Civil).

To adhere to quality, institution is ISO certified since 2005 & currently follows a adherence to ISO conditions as stipulated by the ISO 9001:2017. Institution confirms to the demanding international standards by creating & implementing a Quality Management System.

About Dept:

Data Science (CSE-DS) offers a 4-year undergraduate program. It's considered one of the best branches in the field of technology under CSE. This program opens up a wide range of job opportunities in various fields. Data science is a top branch of computer science, and it's growing fast. It's one of the most popular career paths in the tech world right now. The Department of Computer Science and Engineering - Data Science was founded in the academic year 2022-23. Since then, it has flourished, boasting a team of highly qualified and dedicated faculty members.

The department has evolved from its modest origins to become fully operational, with state-of-the-art laboratories and infrastructure in place. It encourages collaboration among faculty members, enabling them to stay updated with the latest advancements and refine their skills to meet the needs of industry and technology.

About FDP:

The rapid advancements in technology are revolutionizing agriculture, making it more efficient, productive, and sustainable. Artificial Intelligence (AI), the Internet of Things (IoT), and Big Data are driving innovations in precision farming, smart irrigation, automated monitoring, and data-driven decision-making. This Faculty Development Program (FDP) aims to equip educators, researchers, and professionals with the knowledge and skills necessary to leverage these technologies for societal and environmental impact.

EVENT SCHEDULE

DAY1

- Data-Driven Agriculture: Al and Big Data for Sustainable Growth by Dr. Tripti Swarnkar, Professor, Department of Computer Applications, National Institute of Technology, Raipur-492010, Chhattisgarh, India
- An Adaptive Al-Enhanced Technique for Crop Monitoring using IoT by Dr. Jagadish R M, Professor, Department of CSE(Data Science), Ballari Institute of Technology & Management, Ballari, India
- Al-Driven Crop Monitoring and Disease Detection and Hands on by Ms. Kaveri BommanaKatti, Software Engineer, DLithe Consultancy Service Private Limited, Bengaluru.

DAY 2

- Application of Nanotechnology in Food Processing by D. Dr. Sharanagouda Hiregoudar, Professor and Head, Dept. of Processing and Food Engineering and Centre for Nanotechnology, UAS, Raichur 584104, Karnataka, India.
- Sustainable Al-Based production agriculture: Exploring Al Applications in agricultural Practices by Dr. Suresh Y , Professor & Head, Department of CSE(Artificial Intelligence), BITM, Ballari, India
- Google Cloud and ML Offerings and hands on session by Mr. Hemanth Kumar Principal Consultant Cloud Architecture, Wipro Solutions Private Limited, Bengaluru, India DAY 3
- Role of computational model in mapping genotype interaction to phenotype traits in reference to Maize plants by Dr. Rupam Kumar Sharma, Professor, Department of Computer Science Engineering, Rajiv Gandhi University (Central University), Arunachal Pradesh, India
- Drone Based crop disease detection using by ML
 Dr. Renuka Sagar, Professor, Department of Artificial
 Intelligence & Machine Learning, BITM Ballari, India
- Advancements in Quantitative Trait Locus (QTL) Mapping for Maize Traits Using Computational Models and Hands on by Dr. Rupam Kumar Sharma, Professor, Department of Computer Science Engineering, Rajiv Gandhi University (Central University), Arunachal Pradesh, India

DAY 4

- Big Data, and advanced analytics by Dr. Dinesha H A,
 Founder chairman & Director, Cybersena (R&D) India Pvt,
 Ltd. Bangalore, India
- Fruit Quality Prediction using computer vision by
 Dr. Aradhana D, Professor & Head, Department of CSE(Data Science), BITM, Ballari, India
- Empowering Smart & Sustainable Farming through IoT Innovations by Mr. Raymond Irudayaraj I, Technical Lead, Raylog Autonetics Pvt. Limited, Bengaluru, India

DAY 5



- Industrial Visit to Krishi Vigyan Kendra, Hagari, Ballari, Karnataka under the administrative control of University of Agricultural Sciences, Raichur with an 100 percent financial assistance by the ICAR, New Delhi.
- Role of AI and Block chain In Building Next Generation Agri Technology by Dr. Siba Narayan Swain, Professor, Department of Computer Science Engineering, Indian Institute of Technology, Dharwad, India
- Hands-On by Dr. Siba Narayan Swain, Professor,
 Department of Computer Science Engineering, Indian Institute of Technology, Dharwad, India

ENGINEE DAY 6

- IoT and Edge AI in Smart Farming by **Dr. Manjunatha**Kumar B H, Professor & Head, Dept. of CSE, S J C INSTITUTE
 OF TECHNOLOGY, Chickballapur, India
- Hands-On by Mrs. Tejashwini S.G, Team Lead Accenture, Bangalore, India
- MCQs and Reflection Journal
 Valedictory Session
- (CaITM)





BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(A Unit of T.E.H.R.D. Trust, NBA & NAAC A+ and ISO 9001:2017
Certified Institutions (Recognized by Govt. of Karnataka,
Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)

"Jnana Gangotri" Campus, #873/2, Ballari-Hosapete Road,
Near Allipura, Ballari - 583 104 (Karnataka), India
www.bitm.edu.in

BITM Successfully Organized One-Week Faculty Development Program (FDP) on "Smart and Sustainable Agriculture"

The Department of Computer Science and Engineering (Data Science), Ballari Institute of Technology and Management (BITM), Ballari, successfully organized a one-week Faculty Development Program (FDP) sponsored by the AICTE Training and Learning (ATAL) Academy from September 15 to 20 on the theme "Smart and Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact".

Objectives of the FDP:

- To provide **practical knowledge on precision farming**.
- To impart insights into smart irrigation techniques.
- To train participants in agricultural data analytics.
- To explore sustainable farming practices.
- To demonstrate the application of **Artificial Intelligence** (AI), **Internet of Things** (**IoT**), and **Big Data technologies** in agriculture.

The six-day program featured expert lectures and hands-on sessions delivered by renowned speakers across the country:

Paper Add:





Inauguration Photos













Day 1: Dr. Tripti Swarnkar (NIT Raipur),



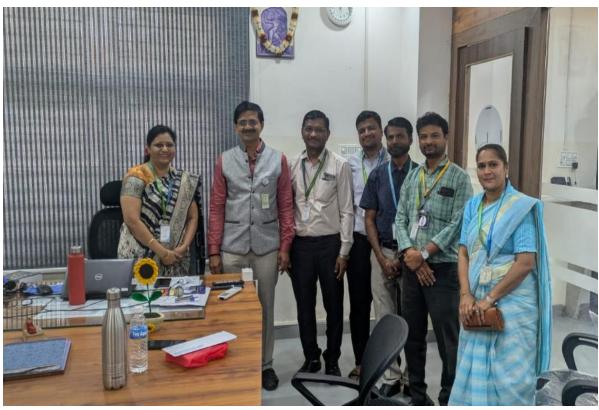


Mrs. Kaveri Bommanakatti (Dilait Pvt. Ltd., Bengaluru) – Delivered sessions on Albased crop monitoring, disease detection (practical), and crop monitoring using Big Data.



Day 2: Dr. Sharangouda Hiregoudar – Nanotechnology in food processing,





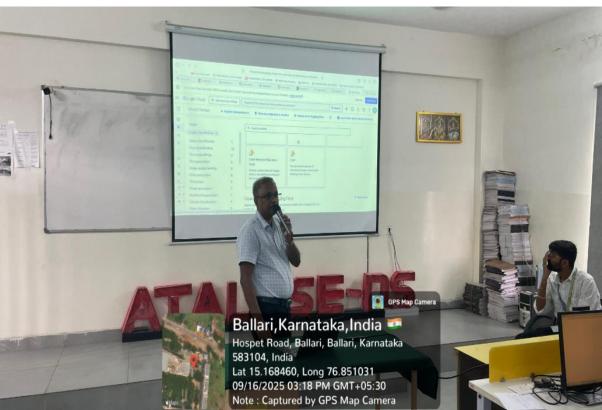
Dr. Suresh Y – AI-based agricultural practices,





Mr. Hemant Kumar – Google Cloud and Machine Learning (practical).





Day 3: Dr. Rupam Kumar Sharma – Genetic mapping and QTL mapping in maize (practical),



Dr. Renuka Sagar – Drone-based crop disease detection.



Day 4: Mr. Vishwanath Gowda H, Chief Technical Security Officer, Commonwealth Bank of Australia, delivered an insightful session on "Smart & Sustainable Agriculture Leveraging AI, IoT, Big Data, Cyber Security, and Cloud (AWS)"



Dr. Aradhana D (BITM) - Fruit quality prediction using Computer Vision,



Dr. Jagadish R M-



Day 5: An industrial visit was organized to Hagari Krishi Vigyan Kendra,









Dr. Siba Narayan Swain (Professor, IIT Dharwad) – Hands-on session on "Role of AI and Blockchain in Building Next Generation Agri Technology."





Day 6: Dr. Manjunath Kumar B.H. (Professor & HoD, SJCE Institute of Technology, Chikkaballapur) – IoT and Edge AI in Smart Farming,







Ms. Tejashwini S.G. (Accenture, Bengaluru) – Hands-on session on Agricultural Data Analytics using Power B





Final Day: The FDP concluded with the Valedictory Function, where the event summary was shared, and certificates were distributed to participants by AICTE ATAL Academy.





Patrons:

- Dr. Yeshwanth Bhoopal (Chairman, BITM),
- Prof. Y.J. Pruthviraj Bhoopal (Director),
- Dr. Yadavalli Basavaraj (Principal),
- Dr. B.S. Khened (Vice Principal).

Conveners:

- Dr. Aradhana D (HoD, CSE-DS),
- Dr. R.N. Kulkarni (Dean & HoD, CSE).

Course Coordinators:

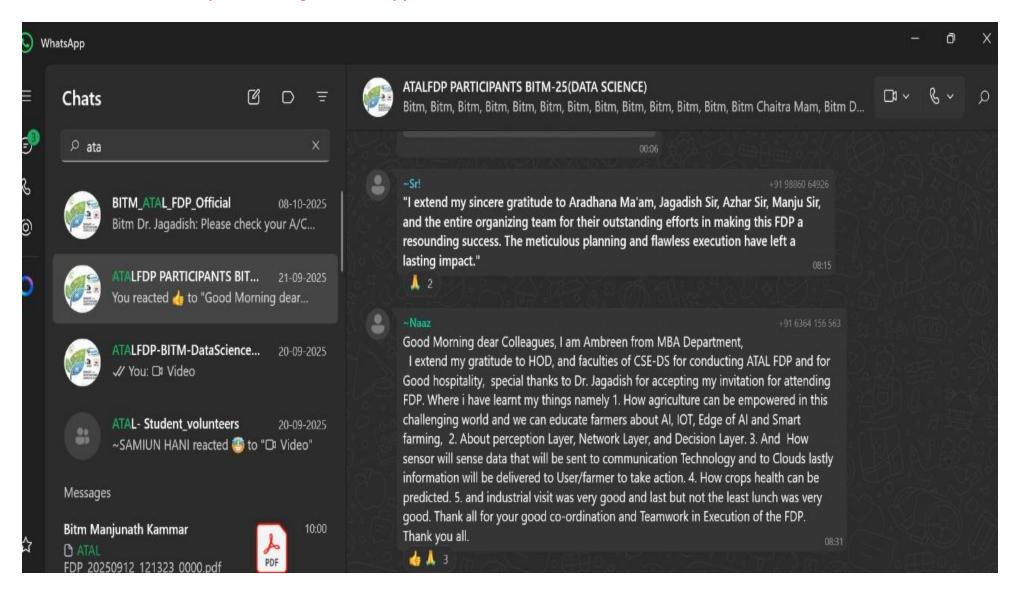
- Dr. Jagadeesh R.M.,
- Dr. Renuka Sagar,
- Mr. Azhar Baig M.

Course Secretary:

• Mr. Manjunath Kammar.

This week-long FDP concluded successfully, equipping participants with **practical insights** into the application of modern technologies in agriculture.

Information to Participants through What's App



Social Media Links:

https://www.facebook.com/share/p/16gzf8FPYk/

https://www.facebook.com/share/p/16sVxSRaf3/

https://www.facebook.com/share/p/1GUiqQDW4M/

https://www.facebook.com/share/p/1BGmep6qLN/

https://www.facebook.com/share/v/1LvPyq7oaj/

https://www.facebook.com/share/p/1GiKB54fBA/

Schedule of ATAL

FDP Application Number: 1742568164

Title of the FDP: Smart and Sustainable Agriculture: Leveraging AI, IoT, and Big Data for Societal Impact

FDP Start Date: 15/09/2025 **FDP End Date**: 20/09/2025

DAY1	DAY2	DAY3	DAY4	DAY5	DAY6	
9:00-9:30 Inauguration	Organizing Institute: BITM BALLARI					
Data-Driven Agriculture: AI and Big Data for Sustainable Growth Dr. Tripti Swarnkar Professor Department of Computer Applications National Institute of Technology, Raipur Raipur-492010, Chhattisgarh, India 9437130794 tswarnkar.mca@nitrr.ac.in Exp: 25	9:30 to 12:00 Session-3 Application of Nanotechnology in Food Processing Dr. Sharanagouda Hiregoudar Professor and Head, Dept. of Processing and Food Engineering and Centre for Nanotechnology UAS, Raichur 584104, Karnataka, India 9448433678 drsharan.cae@uasraichur.edu.in Exp: 25	9:30 to 12:00 Session-5 Role of computational model in mapping genotype interaction to phenotype traits in reference to Maize plants Dr. Rupam Kumar Sharma Professor Department of Computer Science Engineering, Rajiv Gandhi University (Central University) Arunachal Pradesh 8486446181 rupam.sharma@rgu.ac.in	9:30 to 12:00 Session-7 Big Data, and advanced analytics Dr. Dinesha H A Founder chairman & Director, Cybersena(R&D) India Pvt, Ltd.Bangalore 7767076988 director@cybersenarnd.com Exp:20	Industrial Visit Krishi Vigyan Kendra, Hagari, Ballari, Karnataka under the administrative control of University of Agricultural Sciences, Raichur with an 100 per cent financial assistance by the ICAR, New Delhi.	9:30 to 12:00 Session-10 IoT and Edge AI in Smart Farming Dr. Manjunatha Kumar B H Professor & Head of the Department CSE, S J C INSTITUTE OF TECHNOLOGY, Chickballapur-562101, Karnataka. 9900600756 manjunathabh@sjcit.ac.in Exp: 25	
12:00-1:00 Article Discussion An Adaptive AI-Enhanced Technique for Crop Monitoring using IoT Dr. Jagadish R M Professor, Department of CSE(Data Science), Ballari Institute of Technology & Management, Ballari 9986595484 jagadishrm@bitm.edu.in Exp:17	12:00-1:00 Article Discussion Sustainable AI-Based production agriculture: Exploring AI Applications in agricultural Practices Dr. Suresh Y Professor & Head, Department of CSE(Artificial Intelligence), Ballari Institute of Technology & Management, Ballari 9113854919 Dr.Suresh@bitm.edu.in Exp:13	Exp:18 12:00 – 1:00 Article Discussion Drone Based crop disease detection using ML Dr. Renuka Sagar Professor, Department of Artificial Intelligence & Machine Learning, Ballari Institute of Technology & Management, Ballari 9986164678 renukasagar@bitm.edu.in Exp:16	12:00 – 1:00 Article Discussion Fruit Quality Prediction using computer vision Dr. Aradhana D Professor & Head, Department of CSE(Data Science), Ballari Institute of Technology & Management, Ballari 9986666094 aradhana@bitm.edu.in Exp:27		12:00-1:00 Hands-On Mrs. Tejashwini S.G Team lead Accenture, Bangalore 9480500128 sgtejashwani@gmail.com Exp:13	

1:00-2:00 PM Lunch 2:00 – 4:30 Session-2 AI-Driven Crop Monitoring and Disease Detection Kaveri Bammanakatti, Software Engineer DLithe Consultancy Services Pvt. Ltd. Bengaluru 8970156476 kaveri@dlithe.com Exp:7	1:00-2:00 PM Lunch 2:00 – 4:30 Session-4 Google Cloud and ML Offerings Mr. Hemanth Kumar, Principal Consultant Cloud Architecture, Wipro Solutions Private Limited, Bangalore 99452 15740 Hemanth.kum@wipro. com Exp:19	1:00-2:00 PM Lunch 2:00 – 4:30 Session-6 Advancements in Quantitative Trait Locus (QTL) Mapping for Maize Traits Using Computational Models Dr. Rupam Kumar Sharma Professor Department of Computer Science Engineering, Rajiv Gandhi University(Central University) Arunachal Pradesh 8486446181 rupam.sharma@rgu.ac.in Exp: 18	1:00-2:00 PM Lunch 2:00 – 4:30 Session-8 Empowering Smart and Sustainable Farming through IoT Innovations Mr. Raymond Irudayaraj I, Technical Lead, Raylog Autonetics Pvt. Limited, Bengaluru, Karnataka 9972803296 raymond.jhts@gmail.com, Exp: 13	1:00-2:00 PM Lunch 2:00-4:30 Session-9 Role Of AI And Block chain In Building Next Generation Agri Technology Dr. Siba Narayan Swain, Professor, Department of Computer Science Engineering, Indian Institute of Technology Dharwad, Karnataka - 580011, India 8754502045 sibaswain@iitdh.ac.in Exp:15	1:00-2:00 PM Lunch 4:30 – 5:30 Hands-On Mrs. Tejashwini S.G Team lead Accenture, Bangalore 9480500128 sgtejashwani@gmail.co m Exp:13
4:30 – 5:30 Hands-On Kaveri Bammanakatti, Software Engineer DLithe Consultancy Services Pvt. Ltd. Bengaluru 8970156476 kaveri@dlithe.com Exp:7	4:30 – 5:30 Hands-On Mr. Hemanth Kumar, Principal Consultant Cloud Architecture, Wipro Solutions Private Limited, Bangalore 99452 15740 Hemanth.kum@wipro. com Exp:19	4:30 – 5:30 Hands-On Dr. Rupam Kumar Sharma Professor Department of Computer Science Engineering, Rajiv Gandhi University(Central University) Arunachal Pradesh 8486446181 rupam.sharma@rgu.ac.in Exp: 18	4:30 – 5:30 Hands-On Mr. Raymond Irudayaraj I, Technical Lead, Raylog Autonetics Pvt. Limited, Bengaluru, Karnataka 9972803296 raymond.jhts@gmail.com, raymond@raylog.in Exp: 13	4:30 – 5:30 Hands-On Dr. Siba Narayan Swain, Professor, Department of Computer Science Engineering, Indian Institute of Technology Dharwad, Karnataka - 580011, India 8754502045 sibaswain@iitdh.ac.in Exp:15	4:00 – 5:00 MCQ , Reflection Journal &Valedictory Session

List of Participants

SI. No.	Name	Email	Phone	Institute Name	District	State
1	Mr. Sreenivasa M	sreenivasm@bitm. edu.in	9620958140	Ballari Institute of Technology & Management	Bellary	KARNATAK A
2	Mr. Srisailanath	srisailanath@bitm. edu.in	9886064926	Ballari Institute of Technology & Management	Bellary	KARNATAK A
3	Mr. Hari Krishna H	harivanam87@gm ail.com	9742920478	Ballari Institute of Technology & Management, Ballari	Bellary	KARNATAK A
4	Mr. Mohammed Shafiulla	mdshafi@bitm.edu .in	8880770638	Ballari Institute of Technology & Management	Bellary	KARNATAK A
5	Mr. Ulaganathan J	ulaganathanj4@g mail.com	9740872875	Ballari Institute of Technology and Management	Bellary	KARNATAK A
6	Mr. SANTHOSH	santhosh.u2022@v itstudent.ac.in	8248327750	VIT-UNIVERSITY	Vellore	TAMIL NADU
7	Mr. Sanjay P S	prakashsanjay690 @gmail.com	9483397079	Ballari Insitute of Technology & Management	Bellary	KARNATAK A
8	Mr. Ramesh kumar KR	rameshkumar@bit m.edu.in	7411236573	BITM	Bellary	KARNATAK A
9	Mr. Chethan K	chethan.civil@pace .edu.in	8892980457	PACE	Chamara janagar	KARNATAK A
10	Mr. AMBRAYYA	ambrayya@bitm.e du.in	7022107755	Ballari Institute of Technology and Management, Ballari	Bellary	KARNATAK A
11	Mr. GAVISIDDESHA PATTANASHETTY	pgsiddesh@rediff mail.com	9242213991	BITM BELLARY	Bellary	KARNATAK A
12	Dr. PANI RAMA PRASAD	phanirama75@bit m.edu.in	8553165675	Ballari Institute of technology and management	Bellary	KARNATAK A
13	Mrs. R VANITHA	rvanitha.krishnan @gmail.com	9952531421	IFET College of Engineering, Villupuram	Puduche rry	PUDUCHER RY
14	Dr. Christopher Raj D	christopherraj@bit m.edu.in	9880999862	Ballari Institute of Technology and Managment	Bellary	KARNATAK A

15	Mrs. BAGALI AMBREEN	bagaliambreen@g mail.com	6364156563	BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Bellary	KARNATAK A
16	Mr. Shaik Mohammed Zaheed Hussain	zhussain@bitm.ed u.in	9738751791	Kishkinda University	Bellary	KARNATAK A
17	Dr. Mallikarjuna A	mtechmalli@gmail. com	7892800172			
18	Miss TEJASWINI YEDDULA	ytejaswini319@gm ail.com	9550388454	JNTUA Anantapur	Y.S.R.	ANDHRA PRADESH
19	Mr. Jonnavada Ravi Kiran	beyib87976@colim arl.com	9515497368	JNTUA COLLEGE OF ENGINEERING, ANANTAPURAM U	Krishna	ANDHRA PRADESH
20	Miss Talari Bhavana	talaribhanu0712@ gmail.com	8309434314	Jawaharlal Nehru Technological University Anantapur	Anantap ur	ANDHRA PRADESH
21	Miss Gowda Anusha	sai644484@gmail.c om	9014592773	JNTUACEA	Anantap ur	ANDHRA PRADESH
22	Miss KOMMI LAKSHMI SOWJANYA	komalavalli114@g mail.com	8247211292	JNTUACEA	Sri Potti Sriramul u Nellore	ANDHRA PRADESH
23	Miss Moilla Harshitha	harshithareddy189 @gmail.com	7842511093	JNTUACEA	Anantap ur	ANDHRA PRADESH
24	Miss Mude Sireesha Bai	mudesireeshabai18 @gmail.com	9704233220	JNTUCEA	Anantap ur	ANDHRA PRADESH
25	Mr. Punuri Bala Mohan Varma	balamohan1437@ gmail.com	7075088216	JNTUA CEA	Prakasa m	ANDHRA PRADESH
26	Mr. Sarvan kumar	alpha954237@gma il.com	9390202757	Jntuacea	Sri Potti Sriramul u Nellore	ANDHRA PRADESH
27	Mr. Kandregula Shatvik Lakshman Teja	sendtoshatvik@gm ail.com	8179584379	JNTUA CEA	Chittoor	ANDHRA PRADESH
28	Miss Yechu Harshitha	yechuharshitha3@ gmail.com	9392725105	JNTUA	West Godavari	ANDHRA PRADESH
29	Miss Dayalu Swapna	swapnasudarshan7 @gmail.com	6305834404	Jawaharlal Nehru Technological University, Anantapur	Y.S.R.	ANDHRA PRADESH

30	Miss Shaik Ayesha Anjum	shaikayeshaanjum 4@gmail.com	9491949502	Jawaharlal Nehru Technological University Anantapur	Y.S.R.	ANDHRA PRADESH
31	Miss Gangarapu Vandana	vandanasatya15@ gmail.com	9441720020	Jawaharlal Nehru Technological University, Anantapur	Y.S.R.	ANDHRA PRADESH
32	Miss Kallukuri Vyshnavi	kallugurivyshnavi@ gmail.com	7702736935	JNTUA College of Engineering	Anantap ur	ANDHRA PRADESH
33	Mr. G.Tharun Kumar Royal	tharun6099@gmail .com	9632618298	JNTUA College of Engineering, Anantapur	Anantap ur	ANDHRA PRADESH
34	Mr. P Abhishek	abhishekperapogu @gmail.com	6301365757	Jawaharlal Nehru Technological University Anantapur,Anan tapuramu	Kurnool	ANDHRA PRADESH
35	Miss Shaik Amesha Muskan	amesha282@gmail .com	7075676824	JNTUCEA	Anantap ur	ANDHRA PRADESH
36	Miss Jeenthray Chinmai	chinmaimtech2025 @gmail.com	7396496864	JNTUA	Anantap ur	ANDHRA PRADESH
37	Miss kondammagari sai pavani	kp8609944@gmail. com	8125739419	JNTUA	Anantap ur	ANDHRA PRADESH
38	Mr. Vaddi Karthik Reddy	karthikreddyv121 @gmail.com	8919186828	JNTUA College of Engineering (Autonomous), Ananthapuramu	Chittoor	ANDHRA PRADESH
39	Mr. KONDA BHARATH KUMAR	kondabharathkum ar241@gmail.com	6300403983	Kishkinda university ballari	Bellary	KARNATAK A
40	Miss Kamalapadu Varsha	kamalapaduvarsha @gmail.com	9398056698	KUB	Bellary	KARNATAK A
41	Miss Mohan Harisha	mhani0803@hotm ail.com	8309031741	JNTUACEA	Chittoor	ANDHRA PRADESH
42	Mrs. SUBHASHREE D C	shubha.rmjssp@g mail.com	8884637522	BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT	Bellary	KARNATAK A
43	Mr. UDAYA SHANKAR BUDAGAVI	shankarbudhagavi @gmail.com	9481182531	KISHKINDA UNIVERSITY	Bellary	KARNATAK A

44	Miss Mahe Jabeen K	mhjbn8675@gmail .com	8217055958	RYMEC, Ballari	Bellary	KARNATAK A
45	Mrs. Sowmya Sree M	sowmyasreemyle @gmail.com	9449922011	Rao Bahadur Y.Mahabaleshw arappa Engineering College	Bellary	KARNATAK A
46	Mr. Ramanjineyalu	ramramanjineyalu7 @gmail.com	7090137005	KISHKINDA UNIVERSITY	Bellary	KARNATAK A
47	Mrs. Vatsalya Bapugoud Madnur	ms.vatsalyabm@g mail.com	7406888538	Kishkinda University, Ballari	Bellary	KARNATAK A
48	Mr. Abdul Shukur	aqua.as@gmail.co m	9035277048	Kishkinda University	Bellary	KARNATAK A
49	Mr. GANGARAJ	gangaraj1818@gm ail.com	8722191306	KISHKINDA UNIVERSITY	Bellary	KARNATAK A
50	Mr. Mohammad Khalid R P	mdkhalid@bitm.ed u.in	9632155568	Ballari Instritute of Technology and Management	Bellary	KARNATAK A
51	Mr. CHIPPOLU NAGARAJA	nagarajchippolu@g mail.com	8553832425	Ballari Institute of Technology & Management	Bellary	KARNATAK A
52	Mrs. Rajeswari R P	rajeswarirp@ryme c.in	9480126852	RYMEC	Bellary	KARNATAK A
53	Mr. Aswatha Narayana S	04aswa@gmail.co m	9538651845	BITM Ballari	Bellary	KARNATAK A
54	Mr. AKKASALI TARANATH	a.taranath@bitm.e du.in	8095281437	B.I.T.M BALLARI	Bellary	KARNATAK A
55	Dr. ABDUL LATEEF HAROON P S	abdul.lh@bitm.edu .in	9738973034	Ballari Institute of Technology and Management	Bellary	KARNATAK A