

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

FINAL PARTICIPATION REPORT

EMPOWERING INDIA-2026

and Organic Agricultural & Dairying Expo-2026

18-20 July 2026 | Panjim Convention Centre, Panaji, Goa



MNIT Jaipur's official faculty delegation at the entrance of the Panjim Convention Centre.

Dr. Kuldeep Singh	Associate Professor, Department of Electronics & Communication Engineering , Malaviya National Institute of Technology Jaipur
Dr. Sundeep Kumar	Assistant Professor, Department of Management Studies Malaviya National Institute of Technology Jaipur

Executive Summary and Institutional Leadership

Malaviya National Institute of Technology Jaipur participated in “Empowering India-2026” and the concurrent Organic Agricultural & Dairying Expo-2026, held at the Panjim Convention Centre, Panaji, Goa, from 18 to 20 July 2026. In accordance with Office Order No. 392 dated 06 July 2026, the Institute was represented by Dr. Kuldeep Singh, Associate Professor, Department of Electronics & Communication Engineering, and Dr. Sundeep Kumar, Assistant Professor, Department of Management Studies.

The MNIT Jaipur stall presented interdisciplinary research, technology and institutional initiatives through eight major posters, a digital display and the MNIT Jaipur institutional video. The faculty representatives explained the exhibits to visiting school and college students, teachers, officials and other delegates. The principal themes were digital financial inclusion, pilgrimage crowd management, design and entrepreneurship education, lithium-ion battery health monitoring, incubation and startup support, AI-enabled urinalysis, AI-assisted cardiac screening and portable silicosis diagnosis.

The participation strengthened institutional outreach and demonstrated how MNIT Jaipur connects academic research with public welfare, sustainable livelihoods, entrepreneurship, healthcare access, urban resilience and industrial technology. Across the three days, the delegation combined detailed poster explanations, audiovisual communication and direct interaction with students, teachers, officials and other visitors, while linking the exhibits with Atmanirbhar Bharat and Viksit Bharat@2047.

Institutional Leadership, Guidance and Representation

Name	Role and contribution
Prof. N. P. Padhy	Director, MNIT Jaipur - institutional leadership, guidance and encouragement for the Institute's participation.
Prof. Kanupriya Sachdev	Dean of Students Welfare - institutional support, administrative guidance and coordination.
Dr. Kuldeep Singh	Associate Professor, Department of Electronics & Communication Engineering - official faculty representative and technical exhibit presenter.
Dr. Sundeep Kumar	Assistant Professor, Department of Management Studies - official faculty representative and management, planning and innovation exhibit presenter.
Dr. Aneesh Prabhakar	Assistant Professor and Flagship Coordinator, Centre for Energy & Environment, MNIT Jaipur - flagship coordination and facilitation.

Event at a Glance

Particular	Details
Dates and venue	18–20 July 2026; Panjim Convention Centre, Panaji, Goa
MNIT Jaipur representatives	Dr. Kuldeep Singh and Dr. Sundeep Kumar
Institutional presentation	Eight posters, MNIT Jaipur video, digital display and MIIC outreach
Primary audience	School and college students, teachers, officials, researchers and general visitors
Closing ceremony	20 July 2026, 11:00 AM to 1:00 PM

1. Institutional Authorization and Delegation

MNIT Jaipur issued Office Order No. 392 dated 06 July 2026 pursuant to Office Memorandum No. M.11013/07/2026-CDN dated 13 April 2026 received from the Department of Higher Education, Ministry of Education, Government of India. The order nominated two faculty members to represent MNIT Jaipur and coordinate the Institute's participation in the exhibition scheduled from 18 to 20 July 2026 at the Panjim Convention Centre, Goa.

Faculty representative	Designation and department	Principal responsibilities during the Expo
Dr. Kuldeep Singh	Associate Professor, Department of Electronics & Communication Engineering	Institutional representation; explanation of AI-enabled healthcare and engineering exhibits; student and visitor interaction; support for digital demonstrations and stall coordination.
Dr. Sundeep Kumar	Assistant Professor, Department of Management Studies	Institutional representation; presentation of management, financial inclusion, urban planning, entrepreneurship and MIIC exhibits; coordination, documentation and visitor engagement.

The Office Order directed the nominated faculty members to make the necessary arrangements for successful exhibition and representation of MNIT Jaipur. It also recorded that expenditure relating to stall setup, travel, boarding and lodging, local conveyance, food, stationery, poster printing, display material, models and other miscellaneous requirements would be governed by the financial approval of the Competent Authority and applicable Institute rules.

Purpose and Scope of Participation

- To present MNIT Jaipur's research, innovation and public-welfare contributions before a diverse national audience.
- To explain complex projects in clear language to school students, college students, teachers, officials, researchers and members of the public.
- To demonstrate the Institute's contribution to Digital India, Startup India, Skill India, Atmanirbhar Bharat and Viksit Bharat@2047.
- To communicate MIIC's incubation facilities, mentoring support, startup ecosystem and pathways from idea to prototype and enterprise.
- To strengthen institutional visibility and communicate MNIT Jaipur's research, innovation and public-service contributions to diverse visitor groups.

Implementation Responsibilities and Deliverables

- Stall preparation, poster sequencing, equipment checking and maintenance of the institutional display during exhibition hours.
- Repeated explanation of the projects to visitor groups and adaptation of the presentation to school, college and professional audiences.
- Screening of the MNIT Jaipur institutional video and communication of MIIC, research, innovation and student opportunities.
- Coordination of stall materials, display equipment, visitor interaction and safe packing of exhibits at the conclusion of the Expo.

2. Event Overview, Objectives, Focus Areas and Visitor Profile

The official brochure described Empowering India-2026 as a three-day national exhibition organized by Bharat Events Pvt. Ltd. with a concurrent Organic Agricultural & Dairying Expo-2026. The event was designed to provide ministries, government departments, educational institutions, research bodies, public-sector organizations and other participants with a platform to display public-welfare schemes, institutional achievements, technologies, development initiatives and sector-specific solutions.

Particular	Official information
Event	Empowering India-2026 and Organic Agricultural & Dairying Expo-2026
Dates and venue	18–20 July 2026; Panjim Convention Centre, Panaji, Goa
Organizer	Bharat Events Pvt. Ltd.
Displayed public timing	10:00 AM to 5:00 PM; participant arrival began at 9:30 AM under the official programmes
Broad objective	Awareness of public-welfare schemes, skill development, employment opportunities, education, research, innovation and socio-economic development

Principal Focus Areas

The programme covered education, science and technology, health and family welfare, environment, water resources, power and solar energy, culture and tourism, petroleum and natural gas, banking and insurance, MSMEs and heavy industries, information technology, women and child development, transport and shipping, agriculture, rural development and public-sector enterprises. The concurrent agricultural and dairying component broadened the platform to include organic farming, rural enterprise and livelihood themes.

Visitor Profile and Exhibition Environment

The expected and observed audience included central and state government officials, industry executives, researchers, engineers, scientists, school and college students, teachers and members of the general public. The venue contained institutional stalls, public-scheme displays, research posters, video screens, dignitary welcome signage and educational outreach material. Displays such as the Goa Energy Development Agency information on the PM-Surya Ghar: Muft Bijli Yojana reflected the wider public-awareness character of the Expo.

Relevance to MNIT Jaipur

- The broad sectoral coverage allowed MNIT Jaipur to present management, planning, engineering, healthcare, energy and entrepreneurship work within one institutional stall.
- The strong presence of school and college groups created an important opportunity for academic outreach and career awareness.
- The combination of government schemes, research exhibits and institutional displays supported communication between public agencies, academia and citizens.
- The event setting enabled the Institute to demonstrate that research outcomes can address livelihoods, safety, healthcare, sustainability and enterprise development.

Post-Show Outcomes and Wider Event Response

The organizer's Post Show Report-2026 recorded that the Expo brought together government departments, higher-education institutions, renewable-energy and technology organizations, skill-development and health-sector stakeholders, financial institutions, autonomous bodies, public-sector undertakings and organic-sector participants on a common platform. It further reported participation by more than 25 exhibitors and identified NTPC Ltd., POWERGRID, SJVN Ltd. and the Indian Institute of Packaging, Ministry of Commerce and Industry, among the supporting organizations.

The same post-show document stated that the exhibition received an enthusiastic response from thousands of students from different schools, farmers and members of the general public. Visitors used the Expo to learn about development schemes, institutional initiatives, services, technologies and achievements. The organizer also recorded positive exhibitor feedback regarding the response received during the three-day event.

3. Dignitaries and Official Programme: 18 July 2026

The opening day commenced with participant arrival, guest reception, welcome of the Hon'ble MLA from Bicholim Constituency and ceremonial lighting of the lamp. The following names were recorded in the official programme for 18 July 2026:

- Dr. Chandrakant Shetye, Hon'ble MLA, Bicholim Constituency – scheduled arrival at 11:00 AM, followed by welcome at 11:10 AM.
- Shri Shripad Yesso Naik, Hon'ble Minister of State for Power and New & Renewable Energy, Government of India – listed as Chief Guest.
- Smt. Kamaljeet Sehrawat, Hon'ble Member of Parliament, Lok Sabha, West Delhi – listed as Chief Guest.
- Shri Sanjay Pundalik Shetye, former Zila Panchayat member, Latambarcem, and General Secretary, BJP Bicholim Mandal Samiti – listed as Special Guest.

Other Dignitaries Who Visited the Exhibition

The following distinguished guests also visited the **Empowering India-2026 Exhibition**:

1. **Prof. Shahid Rasool**
Dean, Academic Affairs / School of Media Studies, Central University of Kashmir
2. **Dr. G. Shrinivas**
Regional Director and Head, IGNOU Regional Centre, Panaji, Goa
3. **Prof. Sukanta Roy**
Dean (Academics), National Institute of Technology Mizoram
4. **Prof. Harish Chandra Das**
Professor, Department of Mechanical Engineering and Dean, National Institute of Technology Meghalaya
5. **Shri Narendra Singh Rathor**
Principal, PM SHRI Kendriya Vidyalaya, Vasco, Goa

Time	Programme
09:30–10:30 AM	Arrival of participants
11:00–11:30 AM	Arrival of guests
11:00 AM	Arrival of Dr. Chandrakant Shetye, Hon'ble MLA, Bicholim Constituency
11:10 AM	Welcome of the Hon'ble MLA
11:20 AM	Lighting of the lamp by the Hon'ble Guest
01:00–02:00 PM	Lunch
02:00–05:00 PM	Continuation of the Expo



Ceremonial lamp-lighting during the opening-day programme.

Opening-day significance:

- The lamp-lighting formally marked the opening of the exhibition programme.
- The opening day combined official proceedings with the commencement of public and student interaction at the MNIT Jaipur stall.

4. Day-wise Participation: 18 July 2026

Before the opening proceedings, the MNIT Jaipur representatives organized the stall, verified the institutional fascia, placed the posters in a coherent sequence and ensured that the laptop, television display, power connections and supporting presentation material were functional. The stall was arranged to lead visitors from management and inclusion themes to urban planning, entrepreneurship, engineering, healthcare AI and incubation.

- The representatives attended the inaugural proceedings, remained available at the stall and maintained the institutional display during the exhibition period.
- Dr. Sundeep Kumar presented the street-vendor financial-inclusion, Khatu Shyam Ji crowd-management and MIIC posters, explaining the problem, method, findings and public relevance.
- Dr. Kuldeep Singh explained the AI-enabled healthcare and engineering displays, including SILICO-AI, the speaking stethoscope, automated microscopic urinalysis and lithium-ion battery health monitoring.
- The MNIT Jaipur institutional video introduced the Institute's academic environment, research strengths, facilities, innovation activity and student opportunities.
- Visitors were encouraged to ask questions about research careers, artificial intelligence, digital finance, urban safety, entrepreneurship, startups and practical problem solving. The discussion-based format made the stall accessible to both school-level and advanced visitors.



MNIT Jaipur faculty representative explaining the Khatu Shyam Ji crowd-management poster to visiting students.

5. Dignitaries and Official Programme: 19 July 2026

The second day continued the exhibition and included the scheduled arrival and welcome of the Hon'ble Minister of State. The official programme recorded the following dignitaries:

- Shri Shripad Yesso Naik, Hon'ble Minister of State, Government of India – scheduled arrival at 11:00 AM and welcome at 11:15 AM.
- Prof. (Dr.) Tankeshwar Kumar, Vice Chancellor, Central University of Haryana, Mahendragarh – Special Guest.
- Shri Upendra Joshi, OSD to the Hon'ble Chief Minister of Goa – Special Guest.
- Shri Agam Mittal, APS to the Hon'ble Minister of State for Power and MNRE, Government of Goa – Special Guest.

Time	Programme
09:30–10:30 AM	Arrival of participants
11:00–11:30 AM	Arrival of guests
11:00 AM	Arrival of Shri Shripad Yesso Naik
11:15 AM	Welcome of the Hon'ble Minister
12:30–02:00 PM	Lunch
02:00–05:00 PM	Continuation of the Expo



A school group at the MNIT Jaipur stall during the exhibition.

Second-day programme relevance:

- The programme combined the scheduled dignitary visit with continuation of the public exhibition.
- Organized student visits enabled the MNIT Jaipur display to serve as an educational outreach platform throughout the day.

6. Day-wise Participation: 19 July 2026

The second day recorded sustained student and visitor movement. The MNIT Jaipur stall functioned as an interactive information space rather than a static poster display. Groups were received in batches, and explanations were adjusted to the visitors' level of familiarity with the subject.

- The faculty provided repeated poster briefings and responded to questions from school students, senior-secondary students, teachers and other visitors.
- The institutional video continued to be screened, enabling visitors to see MNIT Jaipur's campus, academic activities, laboratories, innovation ecosystem and wider institutional profile.
- Students were shown how artificial intelligence can assist medical screening, image interpretation, sound classification and battery-health assessment while still requiring responsible human oversight.
- The financial-inclusion exhibit was used to discuss UPI, digital literacy, trust, cyber risk, grievance support and credit readiness among informal workers.
- The Khatu Shyam Ji exhibit supported discussion on safe crowd flow, queue design, route separation, parking, signage, amenities, monitoring and emergency response.
- The MIIC displays were used to explain observation, empathy, ideation, prototyping, pitching, mentoring, incubation and startup development.
- High visitor footfall demonstrated the value of visual research communication and direct faculty–student interaction in promoting curiosity and career awareness.



High student footfall and active interaction around the MNIT Jaipur display.

Interaction approach:

- Poster explanations were delivered in short, audience-appropriate segments and followed by questions.
- The digital screen supplemented the posters with institutional and visual material.
- Visitors were guided across management, engineering, incubation and healthcare themes as one integrated MNIT Jaipur presentation.

7. Day-wise Participation and Closing Ceremony: 20 July 2026

The final day was devoted to continued visitor interaction, completion of exhibit explanations, screening of the MNIT Jaipur institutional video and orderly conclusion of the exhibition. The closing ceremony was held from 11:00 AM to 1:00 PM, as communicated for the final day.

- The faculty continued to present the posters and respond to visitors until the conclusion of the exhibition activities.
- Priority was given to ensuring that remaining school groups could view the displays, ask questions and receive a concise introduction to MNIT Jaipur.
- The representatives reviewed the display material, ensured that the posters and digital equipment remained operational, and completed the final round of visitor interactions.
- MNIT Jaipur's participation was formally acknowledged through presentation of a participation certificate and memento.
- After the closing proceedings, the representatives carefully packed the posters, laptop, display accessories and other materials used at the stall.
- The three-day participation concluded with an emphasis on public engagement, student inspiration, research dissemination and representation of MNIT Jaipur's interdisciplinary capabilities.



Formal presentation of the participation certificate and memento acknowledging MNIT Jaipur's contribution.

Closing-stage activities:

- The participation certificate and memento formally acknowledged MNIT Jaipur's contribution to the three-day exhibition.
- The stall was closed in an orderly manner after ensuring safe handling of the posters, audiovisual equipment and supporting material.

8. MNIT Jaipur Stall, Institutional Video and MIIC Outreach

The MNIT Jaipur stall carried the Institute's name prominently and combined printed posters with a digital screen, laptop and face-to-face explanation. The digital display was used to play the MNIT Jaipur institutional video and supporting visual material. This allowed visitors to connect the individual projects with the broader academic, research and innovation environment of the Institute.

The MIIC poster was a central institutional component. It communicated the availability of incubation infrastructure, access to laboratories and common equipment, sector-agnostic startup support, mentoring, market research, prototype and minimum viable product development, intellectual-property guidance, pilot testing, scaling support, funding guidance and ecosystem connections. The discussion linked classroom knowledge and research to entrepreneurship, job creation and societal problem solving.

Exhibit Matrix

No.	Exhibit	Primary domain and public relevance
1	FinTech innovation and financial inclusion among street vendors	Digital payments, livelihood security, inclusion and credit readiness
2	Crowd management plan for Khatu Shyam Ji	Pilgrimage safety, mobility, urban planning and emergency readiness
3	Thermal imaging for lithium-ion battery health monitoring	Battery quality, industrial safety, electric mobility and energy storage
4	MNIT Innovation and Incubation Centre	Incubation, mentoring, prototype support, startups and employment
5	AI-based automated microscopic urinalysis	Affordable diagnostics, automation and rural healthcare access
6	AI-enabled speaking stethoscope	Frontline cardiac screening and decision support
7	SILICO-AI portable silicosis diagnostic system	Occupational health, chest-X-ray analysis and rural screening

Integrated Communication Approach

The stall was organized as a connected institutional presentation rather than a collection of unrelated posters. Visitor groups were introduced to MNIT Jaipur first and were then guided through management, planning, engineering, healthcare, energy and entrepreneurship themes according to their interests and level of understanding.

- The institutional video introduced the campus, academic environment, research strengths and innovation ecosystem.
- The poster matrix provided a clear route across eight multidisciplinary exhibits and their public relevance.
- Face-to-face discussion enabled age-appropriate explanations, questions and links with careers, higher education and entrepreneurship.



Students viewing digital content and research displays within the exhibition area.

Institutional Video and Student Outreach

The MNIT Jaipur institutional video was screened repeatedly during periods of high student footfall. It enabled visitors to see the Institute's campus, academic programmes, laboratories, research environment, student activities and innovation ecosystem while standing within the exhibition stall.

The audiovisual presentation complemented the posters by giving students a broader understanding of MNIT Jaipur. Teachers and students were encouraged to connect the displayed projects with future study pathways, responsible use of technology, design-led problem solving, innovation and the possibilities offered through MIIC and other institutional facilities.



Interactive explanation of AI-enabled healthcare exhibits to visiting school students at the MNIT Jaipur stall.

MIIC Outreach Messages Communicated to Visitors

- Innovation begins with careful observation of a real problem and a clear understanding of user needs.
- MIIC supports mentoring, market research, prototype and minimum viable product development, intellectual-property guidance, pilot testing, scaling and funding readiness.
- The incubation ecosystem is sector-agnostic and supports areas such as deep technology, agri-technology, healthcare, clean energy, electronics, drones, robotics and education technology.
- Students can engage with entrepreneurship through innovation activities, internships, project teams, mentoring and startup-oriented problem solving.
- Incubation links academic knowledge with practical value creation, enterprise development, employment generation and socially relevant solutions.

9. Detailed Exhibits I: Financial Inclusion and Crowd Management

9.1 FinTech Innovation and Financial Inclusion among Street Vendors

The ICSSR-sponsored project, titled “Understanding the Role of FinTech Innovation and Financial Inclusion in Promoting Digital Financial Services among Street Vendors,” was presented by Dr. Sundeep Kumar. The poster identified Dr. Shweta Sharma as Project PI and Dr. Sundeep Kumar as Project Co-PI and presenter. It situated street vendors at the centre of informal employment, local markets and urban services, while recognizing the continued dependence on cash because of trust, literacy, documentation and infrastructure barriers.

The research design presented on the poster included a primary survey of street vendors in Rajasthan and Karnataka, binary logistic regression for determinants of adoption and descriptive analysis of challenges, well-being and scheme support. The inclusion pathway was shown as Vendor → Jan Dhan → UPI QR → Digital Transaction → Credit History → Financial Well-being, with access, usage, safety, credit, well-being and empowerment as linked dimensions.

The poster reported that younger and better-educated vendors showed higher adoption; women and older vendors faced stronger barriers; customer demand and business visibility encouraged digital engagement; and formal credit access supported payment usage. It also displayed findings on savings and budgeting, income improvement, operational empowerment and the continuing difficulty of converting digital transaction history into formal credit evidence.

Key points communicated to visitors:

- Link PMJDY and UPI access with sustained and safe usage rather than account opening alone.
- Provide local-language literacy camps, women-focused support, peer mentors and accessible grievance redressal.
- Use verified digital transaction history for alternative credit assessment and strengthen PM SVANidhi linkages.
- Promote affordable devices, reliable connectivity and simple interfaces for informal livelihood groups.

9.2 Crowd Management Plan for Khatu Shyam Ji

The crowd-management poster was presented by Dr. Sundeep Kumar on behalf of the AMRUT Centre for Urban Planning and Capacity Building, MNIT Jaipur. It identified Prof. Nand Kumar as Project Investigator and Dr. Sundeep Kumar as Project Co-PI and presenter. The project responds to high visitor pressure during weekends, Ekadashi and the Phalgun Mela and addresses the carrying-capacity limitations of narrow streets and temple approaches.

The poster presented population and footfall evidence, including normal-day, weekend and mela-day pressure, and identified entry–exit conflict, mixed pedestrian and vehicle movement, parking stress, sanitation pressure, wayfinding gaps and emergency risk. Its planning lens combined nodes, networks, infrastructure, digital applications and emergency operations.

The proposed interventions included one-way pedestrian flow, holding zones, batch-wise release, separated entry and exit, peripheral parking, e-rickshaw routes, CCTV, sensors, public-address systems, dashboards, signs, help points, drinking water, shade and emergency-response procedures. The response sequence was summarized as Detect → Inform → Control → Disperse → Respond.

Key points communicated to visitors:

- Safe pilgrimage depends on spatial design, technology, amenities, stakeholder coordination and emergency readiness.
- Traffic, pedestrian movement, vendors, residents and municipal services must be planned as an integrated system.
- The project contributes to religious tourism, local livelihoods, smart mobility, citizen welfare and resilient temple-town governance.

Combined public value of the two exhibits:

- Both projects focus on last-mile public systems: one strengthens inclusive digital livelihoods and the other improves safe movement in a high-footfall temple town.
- Together, they illustrate how management research, data, planning and technology can improve citizen welfare and service delivery.

10. Detailed Exhibits III: MIIC and Automated Urinalysis

11.1 MNIT Innovation and Incubation Centre (MIIC)

The MIIC poster presented MNIT Jaipur's technology-business incubation ecosystem, infrastructure, startup portfolio, selection process, strategic support and achievements. Its headline figures recorded a dedicated 70,000 sq. ft. infrastructure, a footprint of 146 startups including 24 student startups, 269 programmes benefiting more than 25,000 ecosystem participants, more than 400 incubatees, over 1,500 employment opportunities generated and ₹13 crore raised by incubatee startups.

The poster described 60 independent rooms, common equipment valued above ₹2.5 crore and access to laboratory facilities of MNIT departments and centres. It highlighted sector-agnostic support in product design and development, environment and sustainability, ICT solutions, process innovation, material innovation and service aggregation, with major domains including deep-tech, agri-tech, electronics manufacturing, healthcare and MedTech, clean energy, drones, robotics, automation and EdTech.

The selection pathway involved application, submission of an innovative business plan, presentation before an expert committee, approval, incubation agreement and handholding. Strategic support included market research, MVP and prototype development, intellectual-property protection, pilot testing, scaling planning, marketing, working capital, funding support, statutory compliance and access to mentors and ecosystem partners.

Key points communicated to visitors:

- MIIC enables students and researchers to convert ideas into validated prototypes and enterprises.
- The incubation ecosystem supports innovation, entrepreneurship, employment and technology commercialization.
- The display helped visiting students understand that startups require problem validation, mentoring, testing and sustained execution.

11.2 AI-based Automated Microscopic Urinalysis System

This MIIC-linked innovation by DeepLife Innovations Pvt. Ltd. addresses the limitations of manual microscopic urinalysis, including multiple processing steps, labour intensity, high workload and dependence on skilled personnel. The system is intended to make urine analysis faster, more standardized and more accessible.

The device combines sample loading, centrifugation, autofocus, scanning across multiple high-power fields, AI-based urine-sediment detection and a user-friendly reporting interface. It quantifies sediment categories and identifies their locations within images so that a professional can verify the result manually.

The poster reported identification of more than eight categories of urine sediments, with sensitivity of 92.5 percent and precision of 91 percent. It also emphasized the value of an indigenous system at approximately one-fourth the cost of existing equipment and nearly half the cost per test, particularly for rural and resource-constrained clinical settings.

Key points communicated to visitors:

- The system integrates medical imaging, automation, artificial intelligence and clinical verification.
- Affordable indigenous diagnostics can reduce dependence on scarce specialist resources.
- The project illustrates the role of incubation in translating a technical idea into a practical healthcare product.

Combined innovation pathway represented on the page:

- MIIC provides the infrastructure, mentoring and ecosystem support needed to move from an innovative concept toward validation and enterprise development.
- The urinalysis system provides a concrete example of an incubated healthcare solution designed for affordability, standardization and wider access.

11. Detailed Exhibits IV: AI-assisted Cardiac and Silicosis Screening

12.1 AI-enabled Speaking Stethoscope for Cardiovascular Disease Detection

The speaking-stethoscope poster was authored by Faisel Mushtaq, Kuldeep Singh, Rannit Sahu, Raghav Arora and Raja Babu Panwar. It addressed the limitation of traditional stethoscopes, which amplify sound but do not provide automated interpretation. Clinical noise, respiratory artefacts and variation among listeners can obscure subtle pathological murmurs and increase diagnostic variability.

The workflow covered acquisition of phonocardiogram signals, dataset preparation, denoising, feature extraction, preprocessing, model training, evaluation and deployment. The custom dataset included aortic stenosis, mitral regurgitation, mitral stenosis, normal heart sounds and tricuspid regurgitation.

The poster reported overall accuracy of 92 percent and class-wise precision, recall and F1-scores. The prototype is designed to speak the diagnosis directly into the professional's ear and thereby support paramedics and healthcare workers, particularly in locations where specialist expertise is limited.

Key points communicated to visitors:

- AI can add decision-support capability to a familiar and low-cost frontline screening instrument.
- Noise removal, representative datasets and careful validation are essential for reliable clinical use.
- The device is intended to support screening and referral, not replace qualified clinical judgement.

12.2 SILICO-AI: Portable Computer-Aided Diagnostic System for Silicosis

SILICO-AI was presented as a portable system for early detection of silicosis from chest X-rays. The poster was authored by Faisel Mushtaq, Kuldeep Singh, Satyendra Singh Chauhan, Rajesh Kumar and Priyanka Harjule. Silicosis is a progressive and incurable occupational lung disease associated with long-term inhalation of crystalline silica dust.

The poster described the challenge of subtle early-stage radiographic changes, variability among observers and coexistence with conditions such as tuberculosis or emphysema. The device combines specialized hardware, user-friendly software and an AI model that identifies the presence or absence of silicosis and highlights the affected lung regions.

The reported results included sensitivity of 97.44 percent and precision of 99.07 percent on a two-class Normal-versus-Silicosis dataset and sensitivity of 85 percent in a multiclass pulmonary setting. The poster also recorded funding by the Directorate of Specially-Abled People, Government of Rajasthan, and Indian Patent No. 570357.

Key points communicated to visitors:

- The system is relevant to occupational-health screening and rural settings with limited radiology expertise.
- Portable visualization can support quicker referral and more consistent interpretation of chest X-rays.
- The exhibit communicated the societal value of combining AI, public health and indigenous device development.

Combined healthcare relevance of the two exhibits:

- Both systems use artificial intelligence as a screening and decision-support aid for conditions where early recognition and access to specialists can be difficult.
- The exhibits emphasized portable, indigenous and practical tools that can strengthen referral, occupational health and frontline healthcare without replacing qualified clinical judgement.

12. Full Poster: FinTech Innovation and Street Vendors



Understanding the Role of Fintech Innovation and Financial Inclusion in Promoting Digital Financial Services among Street Vendors

ICSSR Project | Department of Management Studies, MNIT Jaipur |

Project PI: Dr. Shweta Sharma | Project Co PI & Presented By: Dr. Sundeep Kumar

Empowering India-2026 | Panjim Convention Centre, Panaji, Goa | 18-20 July 2026

1. INTRODUCTION & SCHEME RELEVANCE

- Street vendors are central to informal employment, local markets and urban services.
- Cash dependency continues because of trust, literacy, documentation and infrastructure barriers.
- UPI, mobile banking and e-KYC can convert basic access into formal usage and credit readiness.

PM SVANidhi
working capital + digital discipline

PMJDY
account access + identity

UPI / India Stack
QR payment + e-KYC

Digital India
secure digital services

2. CHALLENGES IN DIGITAL ADOPTION

- Digital literacy gap**
 - Low awareness of digital and financial services.
- Trust deficit**
 - Fear of fraud, cyber risk and platform errors.
- Access & infrastructure barriers**
 - Limited smartphones, costly data and weak connectivity.
- Gender and institutional gaps**
 - Women vendors need safer support and grievance redressal.
- Formal credit linkage gap**
 - Digital transaction history is not always accepted as credit evidence by banks and financial institutions.
- Operational difficulty**
 - Vendors face problems in handling failed transactions, refunds, QR issues and customer disputes during busy working hours.

3. RESEARCH DESIGN & INCLUSION FRAMEWORK

- Primary survey of street vendors from Rajasthan and Karnataka.
- Binary Logistic Regression for determinants of adoption.
- Descriptive analysis for challenges, well-being and scheme support.
- Framework: Vendor → Jan Dhan → UPI QR → Digital Transaction → Credit History → Financial Well-being.

Access

Usage

Credit

Safety

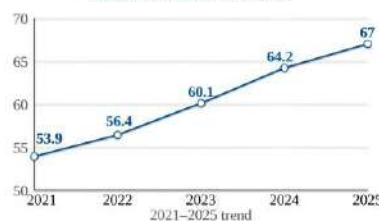
Well-being

Empowerment

4. PROJECT SNAPSHOT

National progress is rising; the key task is last-mile inclusion for street vendors.

RBI Financial Inclusion Index



Digital Payment Transactions (crore)



Inclusion scale: 5.3 million street vendors identified across India. Digital-finance growth must reach informal livelihood groups.



QR-based payment at street-vendor

6. POLICY RECOMMENDATIONS

- Link Jan Dhan accounts with UPI for active usage.
- Run local-language digital literacy camps near vending zones.
- Provide women-focused training, safe spaces and peer mentors.
- Use verified digital transaction history for alternative credit scoring.
- Improve affordable smartphones, low-cost data and connectivity.
- Create simple FinTech interfaces and grievance redressal helpdesks.
- Strengthen PM SVANidhi with urban livelihood schemes.
- Helps bring cash-based vendors into formal banking, insurance, pension and credit systems through regular digital usage.

5. FINDINGS, OUTCOMES & INTERPRETATION

86%
savings, budgeting & reduced cash risk

80%
income improved due to digital demand

83%
felt empowered in operations

82%
digital history not enough for credit

- Younger and better-educated vendors show higher adoption.
- Women and older vendors face stronger adoption barriers.
- Urban location, business visibility and customer demand increase digital engagement.
- Formal credit access positively influences digital payment usage.
- FinTech works best with literacy, trust, infrastructure, grievance support and credit linkage.

7. ATMANIRBHAR BHARAT & VIKSIT BHARAT@2047

- Atmanirbhar Bharat**
 - Self-reliant micro-entrepreneurs through safer transactions, formal records and credit readiness.
- Viksit Bharat@2047**
 - Inclusive growth, digital empowerment, financial resilience and citizen-centric delivery.
 - Goa-event relevance
 - Public welfare schemes, Information Technology, MSMEs, livelihoods and social inclusion.
 - Digital India alignment
 - Strengthens UPI adoption, digital payments, e-KYC, DBT access and secure use of financial platforms among informal workers.
 - Sustainable livelihood development
 - Supports income stability, business visibility, savings discipline and long-term financial security for street vendors.

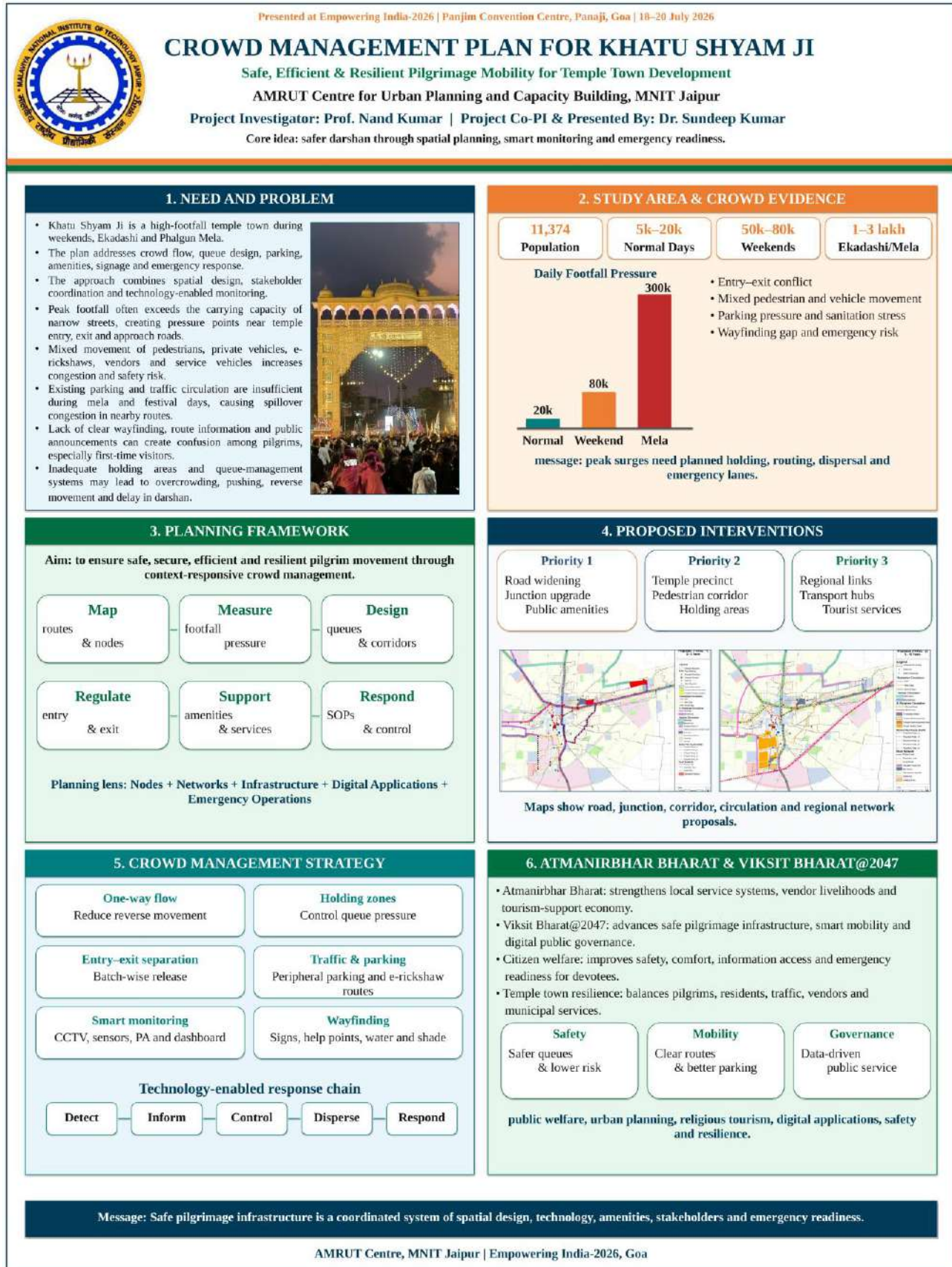
8. OVERALL CONTRIBUTION

- Access alone is not enough; sustained usage requires trust, literacy, infrastructure, grievance redressal and credit linkage.
- Expected changes: safer transactions, better budgeting, stronger scheme uptake and livelihood resilience.
- Policy message: convert digital transaction history into usable credit evidence for informal workers.
- Targeted support is needed for women, older vendors and low-literacy vendors so that digital finance does not widen existing inclusion gaps.
- Local-language training, peer mentors and helpdesks near vending zones can improve confidence and reduce fear of fraud or transaction failure.
- Strengthening PM SVANidhi, PMJDY and UPI linkages can help vendors move from informal cash dependence toward formal savings, credit access and self-reliant livelihoods.
- The project contributes to safer pilgrimage management by reducing crowd pressure, movement conflicts and emergency-response delays.
- It supports better temple-town planning through improved pedestrian circulation, parking regulation, public amenities and signage systems.
- The plan strengthens coordination among temple trust, police, municipality, transport, health services, vendors and volunteers.
- Technology-enabled monitoring such as CCTV analytics, sensors and public information systems can improve real-time crowd control.
- Overall, the project supports Viksit Bharat@2047 by promoting safe religious tourism, citizen welfare, resilient infrastructure and inclusive local economic development.

Presented at Empowering India-2026 | Department of Management Studies, MNIT Jaipur | Sponsored by ICSSR, New Delhi

ICSSR project poster presented by Dr. Sundeep Kumar on digital financial inclusion, livelihood resilience and credit readiness among street vendors.

13. Full Poster: Crowd Management Plan for Khatu Shyam Ji



AMRUT Centre poster presented by Dr. Sundeep Kumar on safe pilgrimage mobility, queue management, parking, amenities, monitoring and emergency response

14. Full Poster: Lithium-ion Battery Health Monitoring



Deep Learning-Enabled Thermal Imaging System for Automated Lithium ion Battery Health Monitoring

Kartik Kumar¹, Ramdutt Arya¹, Sundeep Kumar² and Kapil Pareek^{1*}

Centre for Energy and Environment, Malaviya National Institute of Technology Jaipur, Rajasthan
Department of Management Studies, Malaviya National Institute of Technology Jaipur, Rajasthan
Kapil.cee@mnit.ac.in

Introduction

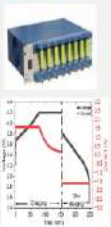
- Growing demand for lithium-ion batteries due to their high energy and power density.
- Li-ion batteries comprise the anode, cathode, separator, electrolyte, and current collectors.
- Battery manufacturing involves multiple complex processes and critical parameters.
- Maintaining consistent manufacturing quality is challenging.
- Minor process variations and uneven aging lead to differences in State of Health (SoH).
- Cells with different SoH reduce battery pack performance, safety, and lifespan.
- Rapid, accurate, and automated battery health monitoring and grading are essential.

Problem Statement

SoH estimation methods, like capacity testing, Electrochemical Impedance Spectroscopy (EIS), Incremental Capacity Analysis (ICA), and Differential Voltage Analysis (DVA), are time-consuming, expensive, and often require specialized equipment.

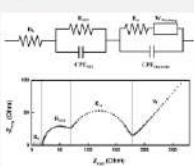
Direct method

Capacity test

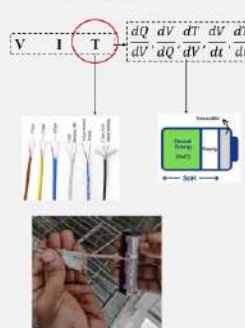


SoH

EIS test

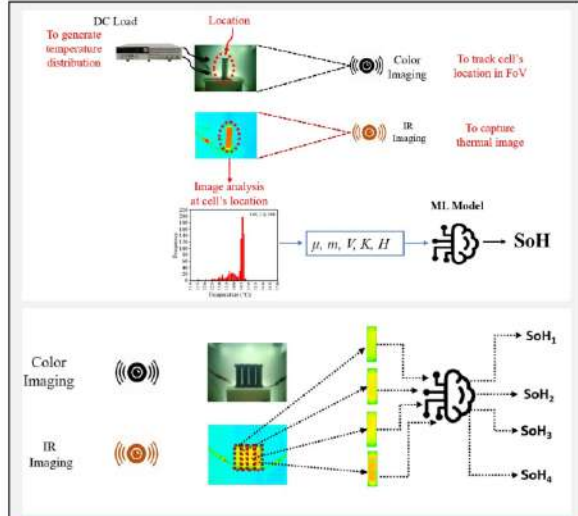


Indirect method

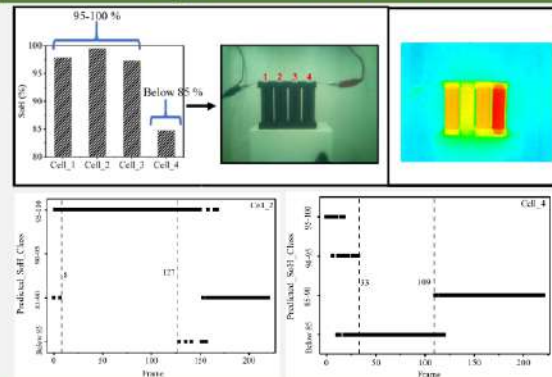


Solution

- Thermography (IR sensing) provides a fast, non-destructive, image based detection of temperature distribution
- Non-uniform aged cells are identified via distinct temperature distribution linked to degradation
- Statistical analysis and Deep-Learning based algorithms on the obtained data provide an automated framework for SoH grading



Experimental Results



Industry Relevance

- Fully functional working prototype (Patent granted)
- Highly economical, large number of cells' SoH grading
- Faster and accurate than existing grading methods



Poster on deep-learning-enabled thermal imaging for automated and non-destructive State-of-Health grading of lithium-ion cells.

15. Full Poster: MNIT Innovation and Incubation Centre


MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR


MNIT INNOVATION AND INCUBATION CENTRE

JLN Marg, Jaipur-302017 | miic.mnit.ac.in | miic@mnit.ac.in

HIGHLIGHTS OF TBI @ MNIT JAIPUR

- Dedicated 70000 sq. ft. state-of-art infrastructure.
- Vibrant footprint of 146 start-ups with 24 student start-ups
- Strong ecosystem network and mentoring support
- Organized 269 Programs, benefiting 25000+ ecosystem participants.
- 400+ number of incubatees • 1500+ employment generated
- 13.00 cr fund raised by incubatee start-ups



ABOUT MIIC

STATE-OF-ART INFRASTRUCTURE

- 60 independent rooms & common equipment worth more than INR 2.5 Cr.
- Laboratory facilities of MNIT Dept. and Centers made available for start-ups

SECTOR AGNOSTIC STARTUPS IN

- Product Design and Development
- Environment and sustainability
- ICT Solutions
- Process Innovation
- Material Innovation
- Product Design & Service Aggregator

ECOSYSTEM CONNECTS AND PROGRAMS

- Synergistic connects with Eco-system stakeholders and industry associates like CII, FICCI, ASSOCHAM, DoTGC, WSME, TIE Rajasthan, IIT Bombay, Nasscom etc.
- Strong mentor support including Alumni, Faculty and Industry Experts.
- Organized 269 Programs for holistic growth of startups, benefiting 25000+ participants.

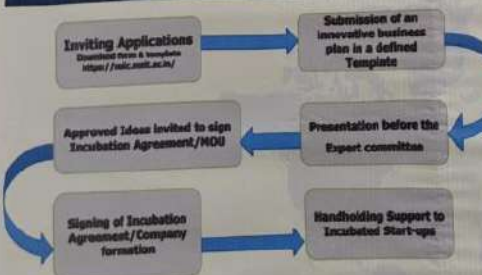
STRATEGIC SUPPORT

- Market research
- MVP development
- IP protection
- Prototype Development
- Pilot testing
- Scaling-up planning
- Marketing Support
- Working capital
- Funding Support
- Statutory compliances
- Tinkering Lab



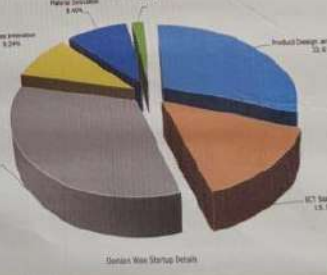



STARTUP PORTFOLIO

SELECTION PROCESS


Major Areas:

- Deep-Tech
- Agri-Tech
- Environment and Sustainability
- Electronics Manufacturing
- Health Care and MedTech
- Clean Energy
- Drones and UAV Technology
- Robotics and Automation
- Ed-Tech, etc.



ACHIEVEMENTS

- Svaarogyam Medical Devices Pvt. Ltd. selected in DST NIDHI's compendium amongst top 50 women led startups pan India.
- Puro Corporation selected among the top 75 startups of India.

- Supporting Innovators in ESDM Domain through STPI's Electropreneur Park 2.0.
- Internship Program benefitting 2400+ students

Institutional poster describing MIIC infrastructure, startup selection, strategic support, ecosystem connections and achievements.

16. Full Poster: Automated Microscopic Urinalysis System



AI-based Automated Microscopic Urinalysis System

*DeepLife Innovations Pvt. Ltd.
MNIT Innovation and Incubation Center (MIIC)
Malaviya National Institute of Technology Jaipur



Introduction

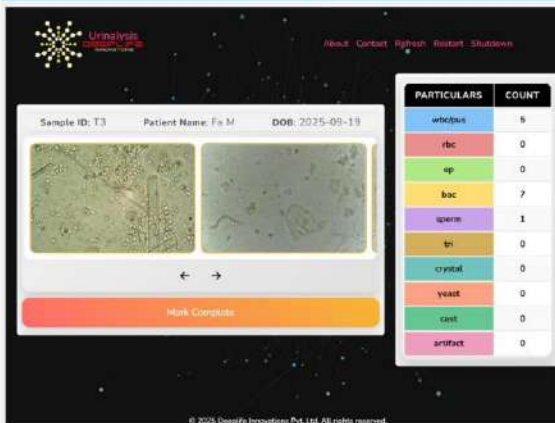
- Urine analysis is used to diagnose a wide range of health conditions, including kidney disorders, urinary tract infections, and metabolic diseases.
- In India, millions of patients undergo routine urine examinations each year, forming a crucial component of preventive and diagnostic healthcare.
- Conventional urine tests are slow, error-prone, and heavily reliant on scarce skilled manpower, with no guarantee of standardized results.
- Automation of this process through advanced imaging and AI-based object detection enables faster, more accurate, and standardized diagnosis.

Overall Working Scenario

- The device comprises a specialized hardware paired with a user-friendly interactive software.
- The diagnostic software utilizes sophisticated artificial intelligence based algorithm for efficient diagnosis.



Preview



Problem statement

Current situation of Manual Microscopic urinalysis in India :

- Multiple steps: centrifugation, particle counting, and reporting
- Time-consuming and labor-intensive: Low efficiency and increasing workloads in high-volume clinical settings
- Further exacerbated in rural settings and II-tier cities where clinical diagnostic facilities are limited

Solution: An AI Powered Device

- We've engineered a diagnostic device capable of centrifugation, capturing multiple microscopic images of a urine sample, and AI-based urine sedimentation detection.
- The device not only quantifies the presence of various sediments but also provides their location on the image for manual verification.



Experimental Results

- The device identifies more than 8 categories of sediments in the urine samples.
- We've attained a **sensitivity** rate of **92.5%** and a **precision** rate of **91%** on the urine samples.

Importance

The device is of great importance in hospitals and clinical settings, especially in rural regions with limited healthcare resources, as it provides an indigenous solution at nearly one-fourth the cost of existing equipment and almost half the cost per test, making advanced diagnostics more accessible and affordable for the Indian market.

Poster on the AI-enabled microscopic urinalysis system developed by DeepLife Innovations Pvt. Ltd. through the MIIC ecosystem.

17. Full Poster: AI-enabled Speaking Stethoscope



AI-Enabled Speaking Stethoscope for Cardiovascular Disease Detection

Faisal Mushtaq¹, Kuldeep Singh¹, Rannit Sahu¹, Raghav Arora¹, Raja Babu Panwar²

¹ Malaviya National Institute of Technology Jaipur, Rajasthan, India

² Nirwan University, Rajasthan, India

Introduction

CLINICAL CHALLENGE

- Cardiac auscultation is essential for diagnosing VHDs as it remains the primary, cost-effective frontline screening tool for identifying turbulent blood flow associated with valvular heart diseases.
- Traditional stethoscopes only amplify sound without providing automated diagnostic interpretation.
- Ambient clinical noise and respiratory sounds frequently mask subtle pathological murmurs.
- Current limitations include high inter-listener variability and the need for specialized expertise.

THE OPPORTUNITY

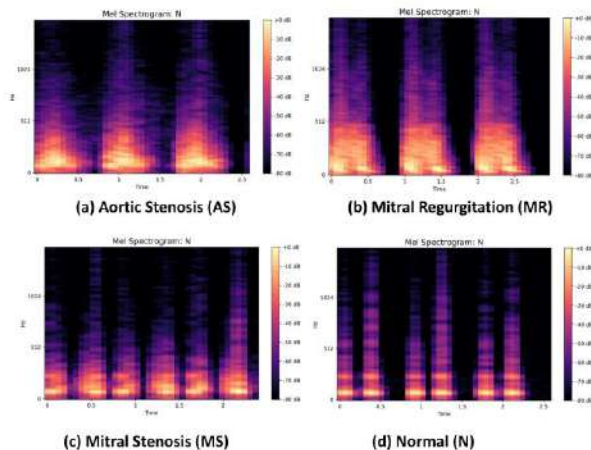
- Recent AI and Deep Learning advancements offer a path to improve diagnostic accuracy.

Problem Statement

- Traditional stethoscopes only act as passive sensors and amplifiers, lacking automated diagnostic intelligence.
- Clinical noise and respiratory artifacts often mask subtle heart sounds, increasing diagnostic variability and errors.
- Developed an AI-enabled "Speaking Stethoscope" for real-time Valvular Heart Disease (VHD) detection.

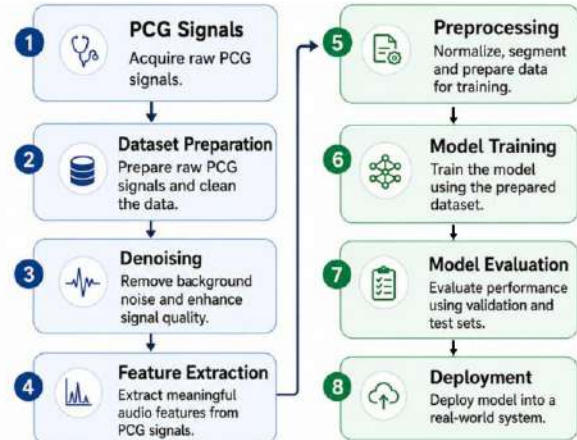


Visualizations



Solution

PCG Signal Classification and Model Deployment Workflow



CUSTOM DATASET

Total samples: 300



Experimental Results

Class	Precision (%)	Recall (%)	F1-score (%)	Accuracy (%)
AS	98	85	91	92
MR	99	86	92	
MS	91	97	94	
Normal	83	98	90	
TR	89	93	91	

Prototype

Innovation

The device speaks the Diagnosis directly into the professional's ear.

Healthcare

Empowers paramedics and workers in remote areas with accurate diagnostic tools.



Poster on phonocardiogram classification and deployment of an AI-enabled speaking stethoscope for cardiovascular screening.

18. Full Poster: SILICO-AI



SILICO-AI: An AI-Based Portable Computer-Aided Diagnostic System for Silicosis Disease

Faisel Mushtaq, Kuldeep Singh,
Satyendra Singh Chauhan, Rajesh Kumar, Priyanka Harjule
Malaviya National Institute of Technology Jaipur, Rajasthan



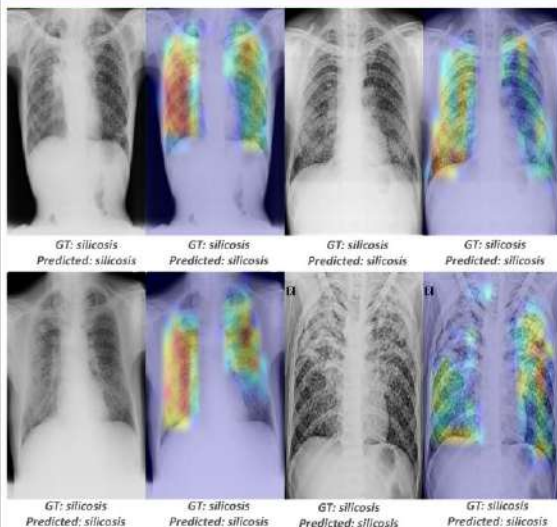
Introduction

- **Silicosis** is a progressive and incurable lung disease caused by long-term inhalation of crystalline silica dust.
- In **India**, about 10 million workers are exposed to inorganic dust with majority of them are from the Indian states of Rajasthan, Gujarat, Madhya Pradesh and Andhra Pradesh.
- Diagnosis is often made through a combination of medical history, physical examination, **chest X-rays**, and pulmonary function tests.
- According to International Labor Organization, chest radiography is the most affordable and accessible radiological test available for physical examination of workers exposed to dust.
- Diagnosing pulmonary conditions demands **skilled radiologists** who visually interpret X-ray images, leading to **time-consuming** processes and subjective assessments.

Challenges

- In early stages, the radiographic changes associated with silicosis may be **subtle** and **easily missed**, especially by less experienced radiologists.
- Diagnosis exhibits **variability** among the radiological observers.
- Silicosis often coexists with other lung diseases, such as tuberculosis or emphysema, which can further complicate interpretation of X-ray findings.

Visualization



Solution: An AI Powered Device

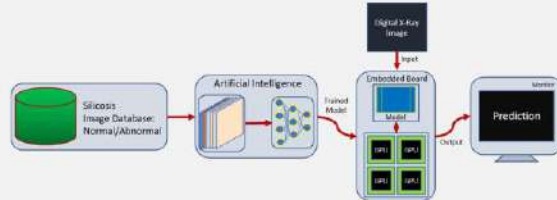
- We've engineered a **portable** diagnostic device tailored for early detection of silicosis from chest X-rays.
- The device not only confirms the presence or absence of silicosis but also identifies the specific lung areas affected by silicosis disease.



A portable silicosis diagnosis device

Overall Working Scenario

- The device comprises a specialized hardware paired with a user-friendly interactive software.
- The diagnostic software utilizes sophisticated artificial intelligence based algorithm for efficient diagnosis.



Experimental Results

- We've attained a **sensitivity** rate of **97.44%** and a **precision** rate of **99.07%** on a two-class dataset comprising Normal and Silicosis categories.
- Additionally, in a multiclass pulmonary condition settings, we've reached a sensitivity rate of 85%.

Importance

- The device is of great importance in any hospital or clinical settings, especially in rural regions where access to healthcare resources and technological infrastructure may be limited.

* Funded by: Directorate of Specially-Abled People, Govt. of Rajasthan, India (Project ID.: 1000113529)

* Indian Patent Granted (Patent No. 570357)

Poster on the portable AI-assisted silicosis diagnostic system for analysis and visualization of chest X-rays.

19. Event Highlights I: Venue and Visiting School Groups



Photographs shown:

- Large school group assembled outside the decorated entrance of the Panjim Convention Centre.
- School groups accompanied by teachers at the event entrance on 18–20 July 2026.
- Government High School Mulgao group displaying its agriculture and skill-education banner.
- Official entrance branding confirming Empowering India-2026 and the Organic Agricultural & Dairying Expo-2026.

The venue photographs show the scale and diversity of organized school participation. Groups were accompanied by teachers and represented different age levels, reflecting the Expo's strong educational-outreach character.

Engagement highlights:

- Organized educational visits brought school students into direct contact with research, innovation and national-development themes.
- The prominent entrance branding and large student groups reflected the visibility and public reach of the event.

MNIT Jaipur's presence was reinforced through direct faculty interaction, institutional displays and sustained engagement with student groups throughout the Expo.

20. Event Highlights II: Student Groups at the MNIT Jaipur Stall



Photographs shown:

- Senior-school students photographed in front of the MNIT Jaipur posters and institutional display.
- Large student group inside the exhibition hall during the educational visit.
- MNIT Jaipur's institutional fascia, MIIC poster and AI-healthcare exhibits visible behind visitors.
- Direct engagement of visiting students with the multidisciplinary display.

The MNIT Jaipur stall attracted groups from different schools and age levels. The visible posters and digital screen demonstrated the interdisciplinary character of the Institute's presentation.

Engagement highlights:

- The stall presented management, engineering, incubation and healthcare innovation within one integrated institutional space.
- Students received direct exposure to applied research, career possibilities and the process of converting ideas into practical solutions.

MNIT Jaipur's presence was reinforced through direct faculty interaction, institutional displays and sustained engagement with student groups throughout the Expo.

21. Event Highlights III: Footfall, Interaction and Digital Display



Photographs shown:

- Students moving through the MNIT Jaipur stall and surrounding institutional exhibits.
- High footfall around the posters and digital presentation area.
- Visitors viewing audiovisual content on the large display screen.
- Use of the exhibition layout for structured school-group movement and interaction.

The photographs show sustained footfall around the MNIT Jaipur stall and active use of the digital display. The exhibition layout supported group movement, audiovisual viewing and direct discussion with the faculty representatives.

Engagement highlights:

- The large display enabled visitors to see MNIT Jaipur's campus, academic environment, research activity and innovation ecosystem in an engaging audiovisual format.
- Group-based explanation and audiovisual communication helped make technical projects understandable to younger audiences.

MNIT Jaipur's presence was reinforced through direct faculty interaction, institutional displays and sustained engagement with student groups throughout the Expo.

22. Event Highlights IV: Poster Explanation and Recognition



Photographs shown:

- MNIT Jaipur faculty representative explaining research posters to visiting students.
- Faculty interaction with visitors near the digital screen and poster display.
- The two nominated faculty representatives at the official entrance of the Expo.
- Presentation of the participation certificate and memento acknowledging MNIT Jaipur's participation.

Together, the images capture the principal forms of institutional engagement: poster explanation, digital presentation, joint representation by the two faculty members and formal recognition at the conclusion of the Expo.

Engagement highlights:

- The faculty representatives explained the exhibits directly and responded to questions from students and other visitors.
- The participation certificate and memento acknowledged MNIT Jaipur's contribution to the exhibition.

MNIT Jaipur's presence was reinforced through direct faculty interaction, institutional displays and sustained engagement with student groups throughout the Expo.

23. Outcomes, Institutional Value, Recommendations and Conclusion

Major Outcomes

- MNIT Jaipur received strong institutional visibility among school students, college students, teachers, delegates and participating organizations.
- Eight interdisciplinary exhibits communicated the Institute's contributions in management, financial inclusion, urban planning, entrepreneurship, battery technology, incubation and AI-enabled healthcare.
- The institutional video and direct faculty interaction enabled visitors to understand MNIT Jaipur beyond the individual poster topics.
- MIIC outreach created awareness of incubation, mentoring, prototype development, startup support and pathways from academic ideas to enterprise.
- The event provided a practical platform for science communication, public engagement, student inspiration and national-development outreach.
- The participation certificate and memento provided formal recognition of MNIT Jaipur's contribution to the exhibition.

Recommendations for Future Participation

- Use QR codes linked to project summaries, videos, faculty contacts and MIIC resources so visitors can continue learning after the event.
- Where feasible, combine posters with short safe demonstrations or recorded prototype videos.
- Prepare one-minute and three-minute explanation scripts for school students, technical visitors and policy audiences.
- Use a simple visitor-feedback form to record interests, questions and possible follow-up opportunities.
- Consider including research scholars or trained student ambassadors to increase interaction capacity during periods of high footfall.

Conclusion

MNIT Jaipur's participation in Empowering India-2026 and the Organic Agricultural & Dairying Expo-2026 was meaningful, well organized and aligned with the event's public-awareness and national-development objectives. Dr. Kuldeep Singh and Dr. Sundeep Kumar successfully represented the Institute, maintained the stall, presented the research and innovation portfolio, screened the institutional video, promoted MIIC, interacted with diverse visitor groups and concluded the stall activities in an orderly manner. The projects demonstrated that MNIT Jaipur combines academic rigor with practical application, entrepreneurship and societal relevance. The three-day engagement therefore served not only as an exhibition, but also as a platform for knowledge exchange, student motivation, public communication and institutional outreach.

Acknowledgement

The MNIT Jaipur faculty delegation gratefully acknowledges the guidance and encouragement of Prof. N. P. Padhy, Director, MNIT Jaipur. Sincere thanks are extended to Prof. Kanupriya Sachdev, Dean of Students Welfare, for institutional support and administrative guidance, and to Dr. Aneesh Prabhakar, Assistant Professor and Flagship Coordinator, Centre for Energy & Environment, MNIT Jaipur, for flagship coordination and facilitation. The delegation also acknowledges the Department of Higher Education, Ministry of Education, Government of India; the organizers of Empowering India-2026 and the Organic Agricultural & Dairying Expo-2026; participating institutions; visiting schools; teachers; students; and all visitors whose interest and questions made the three-day engagement meaningful.

MNIT Jaipur Faculty Representatives

Dr. Sundeep Kumar, Assistant Professor, Department of Management Studies

Dr. Kuldeep Singh, Associate Professor, Department of Electronics & Communication Engineering

Annexure I: MNIT Jaipur Office Order No. 392 dated 06 July 2026

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY

Jawahar Lal Nehru Marg, Jaipur, Rajasthan 302017

F. No. 392Date: 06/07/2026**OFFICE ORDER**

In pursuance of Office Memorandum No. M.11013/07/2026-CDN dated 13.04.2026 received from the Department of Higher Education, Ministry of Education, Government of India, regarding participation in "Empowering India-2026" being organized by M/s Bharat Events Pvt. Ltd., the following faculty members are nominated to represent MNIT Jaipur and coordinate the Institute's participation in the exhibition to be held from 18th to 20th July, 2026 at Panjim Convention Centre, Goa:

1. Dr. Kuldeep Singh, Associate Professor, Department of Electronics & Communication Engineering.
2. Dr. Sundeep Kumar, Assistant Professor, Department of Management Studies.

The nominated faculty members shall make necessary arrangements for successful exhibition and representation of MNIT Jaipur in the aforementioned event.

The event is being organized with the objective of showcasing the developmental initiatives, public welfare schemes and achievements of the Government of India and various participating organizations. The exhibition aims to create awareness among youth regarding skill development, employment opportunities and socio-economic development initiatives undertaken by Central and State Government Departments and Institutions, thereby contributing towards the vision of "Viksit Bharat" and "Atmanirbhar Bharat".

The expenditure towards stall setup, travel, boarding and lodging, local conveyance, food charges and other miscellaneous expenses, including stationery, poster printing, display materials, models, etc., shall be in accordance with the financial approval accorded by the Competent Authority and the applicable Institute rules.

This issues with the approval of the Competent Authority.

Registrar (I/c)
MNIT Jaipur

Copy to :-

1. Dean (Student Welfare).
2. Head, Dept. of Electronics & Communication Engineering.
3. Head, Department of Management Studies.
4. Dr. Kuldeep Singh, Associate Professor, Dept. of Electronics & Communication Engineering.
5. Dr. Sundeep Kumar, Assistant Professor, Department of Management Studies.
6. Assistant Registrar (Accounts).
7. Coordinator, MoE Flagship Programme.

फोन Phone : (0141) 2529078/2713204, फैक्स Fax : (0141) 2529029, वेबसाइट Website : www.mnit.ac.in

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An Institute of National Importance under Ministry of Education, Govt. of India