Institutional Development Plan

1. Vision & Mission

Vision

- To establish NMV University as a centre of excellence in agricultural education, research, and technology-driven innovation, fostering sustainable farming and rural development.

Mission

- To impart quality agricultural education with advanced technology.
- To promote research in agri-biotechnology, digital farming, and climate-smart practices.
- To build strong industry–farmer–academic linkages.
- To develop students into agri-entrepreneurs and leaders for food security.

2. Strategic Goals (2025–2030)

- Curriculum Modernization – Integrate Agri-Tech, AI, IoT, drone technology, and data analytics into agricultural education.
- Research and Innovation – Establish Centres of Excellence in precision farming, biotechnology, and climate-resilient agriculture.
- Infrastructure Development – Create Smart Farms, Digital Libraries, Hi-Tech Laboratories, and Incubation Centres.
- Extension and Outreach – Strengthen farmer training programs, e-extension platforms, and industry partnerships.
- Sustainability and Green Campus – Renewable energy adoption, water harvesting, and zero-waste campus initiatives.

3. Action Plan (Year-Wise Roadmap)

Year 1 (2025–26): Foundation Phase

- Revise curriculum with agri-tech subjects (IoT in agriculture, AI in crop management).
- Launch Agri-Technology Cell for digital tools & drone-based crop monitoring.
- Establish MoUs with agri-industries and research institutes (ICAR, NABARD, agritech startups).
- Introduce Student Innovation Challenge in Agri-Tech.

Year 2 (2026–27): Infrastructure & Capacity Building

- Set up Smart Farming Demonstration Unit (precision irrigation, sensors, drones).
- Upgrade Soil, Water, and Plant Analysis Labs with advanced technology.
- Establish Agricultural Technology Incubation Centre (ATIC) for startups.
- Organize International Conference on Agri-Innovation & Digital Farming.

Year 3 (2027–28): Research & Innovation Boost

- Start Centre for Climate-Smart Agriculture & Sustainable Farming.
- Develop AI-powered Farmer Advisory Mobile App (real-time market & weather updates).
- Promote interdisciplinary research – biotech, nanotech, AI in farming.
- Collaborate with FPOs (Farmer Producer Organizations) for pilot projects.

Year 4 (2028–29): Outreach & Industry Linkages

- Launch E-Extension Platform (virtual training, webinars, mobile advisory services).
- Establish Agri-Business & Rural Entrepreneurship Hub.
- Implement Village Adoption Program (transfer of technology to local farmers).
- Encourage patent filing & technology commercialization.

Year 5 (2029–30): Global Recognition & Sustainability

- Accreditation of programs with ICAR, NAAC, and International bodies.
- Expand international collaborations with global agri-tech universities.
- Achieve Green Campus Certification (solar farms, rainwater harvesting, waste management).
- Create Endowment Fund for Agri-Tech Research and Scholarships.

4. Expected Outcomes

- Modernized curriculum aligned with global agri-tech trends.
- Skilled graduates with expertise in AI, IoT, drones, biotechnology, and agri-business.
- Strong research outputs, patents, and publications.
- Enhanced farmer productivity through digital advisory services.
- Recognition of NMV University as a leader in Agricultural Technology.

5. Monitoring & Evaluation

- Annual Review Committee to evaluate progress.
- KPIs: Number of research publications, patents, MoUs, trained farmers, startups incubated, student placements.
- Mid-term review in 2027 for course correction.