Alignment with Swarna Andhra @ 2047 Priorities

1. Knowledge & Innovation–Driven Economy

- Establish Centres of Excellence in **AI, Robotics, Cybersecurity, Electric Vehicles, IoT, and Green Energy**.
- Promote applied research, patents, and industry-focused problem solving.
- Create **innovation clusters** in collaboration with AP's IT/industrial corridors.

2. Skill Development & Future-Ready Workforce

- Implement **competency-based curriculum** aligned with NEP-2020, industry 4.0/5.0 trends.
- Partner with leading industries for **internships, apprenticeships, and certification programs**.
- Offer continuous upskilling modules for rural and first-generation learners.

3. Startup & Entrepreneurship Culture

- Build a **Technology Business Incubator (TBI)** and student startup ecosystem.
- Support early-stage ideas through seed funding, mentorship, and industry accelerators.
- Host annual hackathons addressing **state development challenges** (agritech, healthtech, energy, transport, governance).

4. Green, Clean, and Sustainable Andhra Pradesh

- Embed sustainability into curriculum and campus practices:
    - Solar-powered smart campus
    - Zero-waste initiatives
    - Water conservation & smart monitoring
- Encourage student projects in **renewable energy, climate resilience, and circular economy**.

5. Social Equity & Rural Development

- Promote **community-centric engineering solutions** for rural Andhra Pradesh:
    - Low-cost IoT devices for farming
    - Smart irrigation
    - Affordable healthcare diagnostics

- Conduct village adoption programs focused on digital literacy and technology enablement.
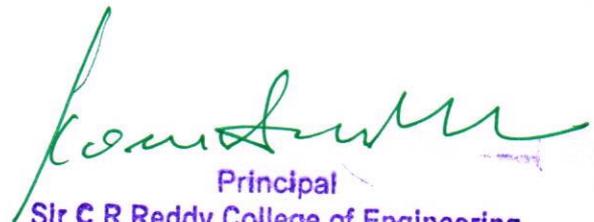
6. Digital Governance & Smart Infrastructure

- Facilitate research and student participation in:
  - Smart city solutions
  - Intelligent transport
  - E-governance
  - Cybersecurity frameworks for state systems

Institutional Commitments

- Faculty development programs aligned with **2047 technological horizons**.
- Strengthening national/international collaborations.
- Achieving NAAC A++ / NBA / NIRF excellence benchmarks.
- Ensuring inclusive access to quality engineering education.

Principal
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