

Commissionerate of Collegiate Education
A.P., Mangalagiri

Community Service Project Questionnaire
Academic Year 2024-25

0.Socio-Economic Survey

I. Student Details:

1. Name of the student: _____ (Text Only)
2. Stream
 - a) Science
 - b) Arts
 - c) Commerce
 - d) Others
3. If Others, please specify _____
4. Major:
5. Minor:
6. ID Number (OAMDC):

II. Information of the Place of the Survey (Details of the Surveyed locality)

7. Name of the Parliamentary Constituency:
8. Name of the Assembly Constituency:
9. District :
10. Mandal :
11. Village / Town :
12. Panchayat/Nagar Panchayat / Municipality/Municipal Corporation :
13. Ward No. :
14. Street Name :

III. Household Information (Details of House Surveyed)

15. House/Door No.
16. Name of the Head of the Household: _____
17. Gender
 - a) Male
 - b) Female
 - c) Others
18. Number of Family Members: _____
19. Category
 - a) OC

- b) BC
- c) SC
- d) ST
- e) EBC

20. Religion

- a) Hindu
- b) Muslim
- c) Christian
- d) Others

21. Language Known

- a) Hindi
- b) Telugu
- c) Other

IV. Economic Status

22. Primary Occupation of the Head of the Household:

- a) Agriculture
- b) Daily Wage
- c) Employed
- d) Business
- e) Others

23. Annual Household Income

- a) < 1,00,000
- b) 1,00,000-2,00,000
- c) 2,00,000-5,00,000
- d) 5,00,000-10,00,000
- e) > 10,00,000

24. Source of Income

- a) Farming
- b) Livestock
- c) Job (Salaried)
- d) Small Business
- e) Others

25. Do you own agricultural land?

- a) Yes
- b) No

V. Housing and Living Conditions

26. Type of House

- a) Pucca
- b) Semi Pucca

- c) Kuchha
- 27. Ownership of House
 - a) Owned
 - b) Rented
 - c) Government Provided
- 28. Access to Drinking Water
 - a) Tap
 - b) Well
 - c) Bore/Hand Pump
 - d) River/Pond
 - e) Municipal Water
- 29. Source of Cooking Fuel
 - a) LPG
 - b) Firewood
 - c) Cowdung
 - d) Others
- 30. Availability of Electricity
 - a) Available
 - b) Not Available

VI. Education and Health

- 31. Number of Literates in the Family: _____
- 32. Highest Educational Qualification in the Household
 - a) Primary
 - b) Secondary
 - c) Higher Secondary
 - d) Graduate
 - e) Post Graduate
 - f) Doctorates
 - g) Bed
 - h) MBBS
 - i) BTech
- 33. Distance to Primary Health Care Centre
 - a) <1 km
 - b) 1-2 km
 - c) 2-5 km
 - d) >5 km
- 34. Are all children vaccinated as per immunization schedule?
 - a) Yes
 - b) No

VII. Governmental Support

35. Are you a beneficiary of any government schemes?

- a) Yes
- b) No

36. If yes, specify the schemes: _____

37. Do you have a Ration Card?

- a) Yes
- b) No

VIII. Infrastructure and Mobility

38. Accessibility to internet

- a) Yes
- b) No

39. Mode of Transport

- a) On foot
- b) Bicycle
- c) Motor Bike
- d) Public Transport

40. Distance to the nearest government school

- a) <1 km
- b) 1-2 km
- c) 2-5 km
- d) >5 km

41. Distance to the nearest college:

- a) <1 km
- b) 1-2 km
- c) 2-5 km
- d) >5 km

42. What improvements do you wish to see in your village? (Select all that apply)

- a) Roads
- b) Public Toilets
- c) Vaccination facility in PHC
- d) Public Transport
- e) School
- f) Drinking Water Facility

1. Zero Poverty _ A Guiding Principle for AP's Vision @2047

One of the ten guiding principles of the Swarnandhra vision @ 2047 is Zero Poverty i.e., ensuring Zero Poverty by 2047. Andhra Pradesh envisions a poverty-free state by fostering **inclusive growth, equitable resource access, and robust socio-economic development** to ensure no family is left behind. The "**One Family, One Entrepreneur**" mission reflects this commitment to providing opportunities for sustainable livelihoods.

Survey Questionnaire for Assessing Current Scenario & Future Readiness in realizing the Vision of "Zero Poverty" in Andhra Pradesh by 2047

Andhra Pradesh is committed to achieving "Zero Poverty" by 2047 as part of the Swarnandhra Vision 2047. This survey aims to understand ground realities, assess the impact of government schemes, and identify key challenges to fostering inclusive growth, equitable resource access, and robust socio-economic development. The responses will help shape policies to ensure no family is left behind.

Section 1: General Demographic Information (put a *tick* Mark)

1. Name (optional): __
2. Are you a member in Self Help Group of Women -DWCRA
 - a. Yes
 - b. No
3. Age:
 - a. Below 18
 - b. 18–35
 - c. 36–50
 - d. Above 50
4. Gender:
 - a. Male
 - b. Female
 - c. Other
5. Caste/Community:
 - a. Scheduled Caste (SC)
 - b. Scheduled Tribe (ST)
 - c. Other Backward Class (OBC)
 - d. General
 - e. Minority (specify): __

6. Place of Residence:
 - a. Urban
 - b. Rural
 - c. Remote/Hilly area
 - d. Slum in a major city
7. Annual Household Income:
 - a) < 1,00,000
 - b) 1,00,000-2,00,000
 - c) 2,00,000-5,00,000
 - d) 5,00,000-10,00,000
 - e) > 10,00,000
8. Size of the Family
 - a) Male – 0 1 2 3 4 5
 - b) Female – 0 1 2 3 4 5
 - c) Children – 0 1 2 3
9. Weightage given to various expenditure categories
 - a. Food
 - b. House rent
 - c. Education
 - d. Entertainment

Section 2: Multidimensional Poverty Indicators Food Security:

10. How often does your household experience food shortages?
 - a. Often
 - b. Sometimes
 - c. Rarely
 - d. Never
11. Are you benefiting from the Public Distribution System (PDS)?
 - a. Yes, regularly
 - b. Yes, but irregularly
 - c. No
12. What challenges do you face in accessing PDS?
 - a. Poor quality of food grains
 - b. Irregular supply
 - c. Corruption or misuse
 - d. Not eligible
 - e. Other (specify): _____

13. Is any member of your family getting benefit under ICDS/Anganwadi Center?

- a. Yes
- b. No

14. Do you have any Kitchen Garden in your house premises

- a. Yes
- b. No

Housing Condition:

15. What type of housing do you live in?

- a. Kutcha (temporary structure)
- b. Semi-pucca (semi-permanent)
- c. Pucca (permanent structure)

16. Do you own the house?

- a. Yes
- b. No

If Yes, then is it

- a. Government sponsored
- b. Self-Constructed

If No, Do you own a house site?

- a. Yes
- b. No

17. Do you own agricultural land?

- a. Yes
- b. No

If Yes, size of land

- i. Less than ½ Acre
- ii. ½ to 1 Acre
- iii. 1 to 2 Acres
- iv. More than 2 Acres

Access to Education:

18. Are all school-aged children in your household attending school?

- a. Yes, all
- b. No

If, No Specify - ____

19. Do you face any barriers to accessing school education?

- a. Financial constraints
- b. Distance to school
- c. Lack of infrastructure
- d. Other (specify): _____

20. No. of family members within the age group 15-20:

- | | | | | | | | |
|-----------|---|---|---|---|---|---|---|
| a. Male | – | 0 | 1 | 2 | 3 | 4 | 5 |
| b. Female | – | 0 | 1 | 2 | 3 | 4 | 5 |

21. Out of this No. of members attending the college:

- | | | | | | | | |
|-----------|---|---|---|---|---|---|---|
| a. Male | – | 0 | 1 | 2 | 3 | 4 | 5 |
| b. Female | – | 0 | 1 | 2 | 3 | 4 | 5 |

22. If education is discontinued, what are the reasons for not continuing the education in case of Male candidates?

- a. Financial Constraints
- b. Lack of awareness
- c. Limited access to quality colleges in rural areas
- d. Social and cultural barriers

23. If education is discontinued, what are the reasons for not continuing the education in case of Female candidates?

- a. Financial Constraints
- b. Safety and transport concerns
- c. Family responsibilities or societal norms
- d. Lack of career awareness
- e. Early Marriages
- f. Non-availability of colleges in the residing locality
- g. Reluctant to join in hostels

24. If education is discontinued, at what stage the candidate discontinued the education?

- a. After 10th
- b. During Intermediate
- c. After Intermediate
- d. During I year of UG study
- e. During II year of UG study
- f. During III year of UG study
- g. During the PG course of study

25.If education is discontinued, what are the reasons for discontinuing the education?

- a. Financial difficulties – “Earn & Learn “ balance
- b. Poor academic performance
- c. Lack of job opportunities after graduation
- d. Family responsibilities and early marriages
- e. No “ Learn from Home “ option

26.What courses are interested in continuing higher studies after Intermediate?

- a. Arts stream (History/Economics/ Geography etc.)
- b. Commerce stream(General/Computer Applications/ Banking etc.)
- c. Sciences stream (Mathematics/Physical Sciences/Life Sciences/Computer Science etc.)
- d. Professional courses (Engineering/Medicine/D.Ed. etc.)
- e. Technical courses (Diploma/Vocational courses etc.)

Healthcare Access:

27.Do you have access to affordable healthcare services?

- a. Yes, easily accessible
- b. Yes, but far away or expensive
- c. No access

28.In case of ill-health, where do you attend

- a. Govt. hospitals
- b. Private hospitals
- c. Untrained professionals

29.Do you have NTR Arogyasri card / Ayushman Bharath Card

- a. Yes
- b. No

Sanitation and Water Access:

30.Do you have a functional toilet at home?

- a. Yes, private toilet
- b. Shared community toilet
- c. No access

31.What is your primary source of drinking water?

- a. Piped water supply

- b. Hand pump or well
- c. River/stream/Pond
- d. Purchased water

Employment and Livelihood:

32. What is the main source of income for your household?
- a. Agriculture/Agriculture allied activities
 - b. Non-agricultural labour
 - c. Self-employed/business
 - d. Government job
 - e. Private sector job
 - f. Other (specify): _____
33. Do you have access to skill development programs or job training?
- a. Yes
 - b. No

Energy and Cooking Fuel:

34. What is your primary source of cooking fuel?
- a. LPG
 - b. Firewood
 - c. Biogas
 - d. Electricity

Section 3: Awareness and Access to Government Schemes

35. Are you aware of government schemes launched after June 2024?
- a. Yes
 - b. No
36. Which schemes are you aware of or benefiting from? (Select all that apply)
- a. NTR Bharosa Pension Scheme (enhanced pensions for senior citizens, widows, disabled)
 - b. NTR Vidyonnathi Scheme (financial aid for marginalized students pursuing higher education abroad)
 - c. SHG Bank linkage under DWCRA Programme (Development of Women and Children in Rural Areas)
 - d. Stree Nidhi Loans to DWCRA Women

- e. PM-AJAY (Prime Minister Anusuchit Jaati Abhyudaya Yojana) for SC/STs – SC/ST Subplan – Unnathi for SC/STs - DWCRA Women
- f. PMJJBY (Prime Minister Jeevan Jyothi Bima Yojana) / PMSBY (Prime Minister Suraksha Bima Yojana)
- g. Livelihood Programmes – Farm and Non –Farm activities under DWCRA
- h. PMFME (Pradhan Mantri Formalisation of Micro Food Processing Enterprises) Scheme relating to Food Processing under DWCRA
- i. Ambedkar Overseas Vidya Nidhi (scholarships for SC/ST students pursuing education abroad)
- j. Anna Canteen Program (subsidized meals at ₹5)
- k. Housing for All (NTR Housing Scheme)
- l. Other (specify): _____

37. Have these schemes improved your household's quality of life?

- a. Yes, significantly
- b. Somewhat
- c. Not at all

38. What challenges do you face in accessing these schemes?

- a. Lack of awareness
- b. Complex application process
- c. Corruption or delays
- d. Lack of required documents
- e. Not eligible

39. Are you or any family members aware of the "One Family, One Entrepreneur" mission?

- a. Yes
- b. No

If yes, what type of entrepreneurial activity? _____

Section 4: Social Welfare Programs for Vulnerable Groups

40. Are you availing Jan Dhan - Aadhar - Mobile linked social welfare benefits?

- a. Yes
- b. No

41. Are there government programs addressing the needs of the following vulnerable groups in your area? (Select all that apply)
- a. Elderly (pensions, free healthcare)
 - b. Disabled individuals (assistive devices, job reservations)
 - c. Women (self-help groups, financial aid)
 - d. Children (midday meals, scholarships)
 - e. Other vulnerable groups (specify): _____
42. Do these programs reach their intended beneficiaries effectively?
- a. Yes, fully
 - b. Partially
 - c. No

Section 5: Social Discrimination and Mobility

43. Have you or someone you know experienced caste-based discrimination in any of the following areas?
- a. Education
 - b. Employment
 - c. Public spaces (restaurants, temples, etc.)
 - d. Housing
 - e. No discrimination experienced
44. Do you believe individuals from marginalized communities can achieve social mobility in your area?
- a. Yes, frequently
 - b. Yes, but rarely
 - c. No
45. What are the main barriers to social mobility?
- a. Lack of quality education
 - b. Unemployment
 - c. Caste-based discrimination
 - d. Other (specify): _____
46. What are the major challenges your household faces in improving your economic condition?
- a. Lack of employment opportunities
 - b. Poor access to education
 - c. Limited healthcare services
 - d. Inadequate housing
 - e. Other (specify): _____

47. What additional support do you expect from the government to improve your livelihood?

- a. Access to credit/financial support
- b. Employment opportunities
- c. Skill development programs
- d. Better infrastructure (roads, electricity, water)
- e. Other (specify): _____

48. What are the top priorities for improvement in your area?

- a. Housing facilities
 - b. Job creation
 - c. Education infrastructure
 - d. Healthcare services
-

2. Skilling & Employment _ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions full economic engagement for its people by creating diverse employment opportunities, fostering skill development, and enabling equitable access to jobs in both domestic and global markets.

Survey Questionnaire for Assessing Current Scenario & Future Readiness in realizing the Vision for "Skilling & Employment" in Andhra Pradesh by 2047

Survey questions aligns with the vision of Andhra Pradesh in terms of economic engagement, employment opportunities, skill development, and equitable job access in both domestic and global markets, local employment opportunities, challenges, socio-economic aspects of employment in non-government sectors, and entrepreneurship-related opportunities:

Section - 1: Employment Opportunities:

1. How satisfied are you with the current employment opportunities available in your area?
 - a) Satisfied
 - b) Unsatisfied
2. In which sector do you currently work or seek employment?
 - a) Agriculture
 - b) Manufacturing
 - c) Services
 - d) Technology
 - e) Healthcare
 - f) Education
3. Do you think there are more employment opportunities outside your area/state?
 - a) Yes
 - b) No
4. What are the biggest challenges you face in securing a job?
 - a) Lack of skills
 - b) Lack of relevant job openings
 - c) Unclear or limited information on job opportunities
 - d) Difficulty in meeting qualification criteria
 - e) Financial issues

Section - 2: Skill Development:

5. Do you have any idea about skill development in general?
 - a) Yes
 - b) No

6. Have you heard of skill development programs in Andhra Pradesh?
 - a) Yes
 - b) No
7. Have you heard of any skill development schemes by non-government other organizations?
 - a) Yes
 - b) No
8. Do you think learning new skills can improve job opportunities?
 - a) Agree
 - b) Disagree
9. Which skills do you think are most important for better jobs? (Multiple choices allowed)
 - a) Digital Skills
 - b) Communication Skills
 - c) Agricultural Modernization
 - d) Vocational Training
 - e) Business & Entrepreneurship
10. Do you believe that there is equal access to job opportunities for all social groups (gender, caste, rural/urban, etc.,)?
 - a) Yes
 - b) No
11. Have you ever attended a skill development training?
 - a) Yes
 - b) No
12. What challenges do you face in accessing skill training?
 - a) Lack of Awareness
 - b) Lack of Time
 - c) High Costs
 - d) Inadequate Access to Training Centres
 - e) Problems with Access to Internet

Section - 3: Equitable Access to Jobs:

13. Do you believe that there is equal access to job opportunities for all social groups (e.g., gender, caste, rural-urban divide)?
 - a) Yes
 - b) No
14. How can the government improve equitable access to jobs for marginalized communities?
 - a) Providing more job fairs and recruitment events
 - b) Ensuring inclusive hiring practices by employers

- c) Offering financial assistance for skill development

Section – 4: Global Job Access:

- 15. Do you seek employment in your native place and/or its surroundings or outside (in an industrial hub such a town, city or abroad)?
 - a) Yes
 - b) No
 - c) Both
- 16. What additional support would you need to access job opportunities in global markets?
 - a) Language training
 - b) Industry-specific certifications
 - c) Networking opportunities
 - d) Information on global job openings
 - e) Financial Support
 - f) Free Online Training
 - g) Local Training Centres

Section – 5: Support from Government for Global Job Access:

- 17. Would you be interested in government-sponsored language training programs to improve your chances of securing a job abroad?
 - a) Yes
 - b) No
- 18. Which languages do you believe are most important for accessing global job opportunities?
 - a) English
 - b) Others
- 19. Do you think industry-specific training to improve your job opportunities in the Global Market?
 - a) Yes
 - b) No
- 20. How can the government assist you in obtaining industry-specific certifications to enhance your employability in the global market?
 - a) Providing financial support for certification programs
 - b) Partnering with certification bodies to offer affordable courses
 - c) Offering guidance on the most relevant certifications for global job markets
- 21. Would you benefit from networking opportunities that connect you with international employers and professionals in your field?
 - a) Yes
 - b) No

22. How can the government facilitate networking opportunities for you to explore global job prospects?
- a) Hosting international job fairs and virtual networking events
 - b) Creating online platforms for connecting with global employers
 - c) Organizing mentorship programs with international professionals
23. How can the government improve access to information about global job openings and opportunities?
- a) By creating a centralized online portal for international job listings
 - b) By partnering with international recruitment agencies
 - c) By providing regular updates on job opportunities in specific countries or industries

Section - 6: Local Employment Opportunities & Challenges in Non-Government Sectors:

24. How satisfied are you with the current local employment opportunities available in the non-government sectors (e.g., private companies, startups)?
- a) Satisfied
 - b) Dissatisfied
25. What are the non-government sectors available in your vicinity? (Select multiple options).
- a) Cottage Industries
 - b) Handloom/Weaving Industry
 - c) Agriculture Marketing
 - d) Food Production
 - e) Education
 - f) Technology Enabled Services (IT, ITeS)
26. Are you interested in pursuing a job opportunity in any of the aforesaid non-government sectors?
- a) Yes
 - b) No
27. What are the biggest barriers you face in securing a job in any of the aforementioned non-government sectors?
- a) Lack of relevant job openings
 - b) Limited opportunities for career growth or advancement
 - c) Low wages or insufficient benefits
 - d) Limited access to skill development programs
 - e) Difficulty meeting the qualifications or experience require

Section – 7: Socio-Economic Aspects of Employment in Non-Government Sectors:

28. How would you rate the wages and working conditions in the non-government sector compared to government jobs in your area?
- a) Better in the non-government sector
 - b) About the same in both the sectors
 - c) Worse in the non-government sector
29. Do you feel that non-government employers in your area provide adequate job security and benefits (e.g., health insurance, retirement plans)?
- a) Yes, they provide adequate security and benefits
 - b) No, they do not provide adequate security and benefits
30. What additional support from the government or private sector would improve employment conditions in non-government sectors (Select all the applicable options)?
- a) Improved labour laws to protect workers' rights
 - b) Enhanced employee benefits (e.g., healthcare, retirement plans)
 - c) Better workplace safety and conditions

Section – 8: Entrepreneurship-Related Opportunities:

31. Are you interested in pursuing entrepreneurship or starting your own business?
- a) Yes
 - b) No
32. What types of support would you need from the government or private sector to start your own business (Select all the applicable options)?
- a) Financial support (e.g., low-interest loans, grants)
 - b) Business training and mentorship programs
 - c) Access to local or international markets for my product/service
 - d) Legal and regulatory guidance
 - e) Networking opportunities with other entrepreneurs
33. Do you believe there are enough resources and programs available to encourage and support entrepreneurship in your local area?
- a) Yes
 - b) No
34. What barriers do you face when considering or starting your own business?
- a) Lack of access to capital or financing
 - b) Limited knowledge of business regulations or market opportunities
 - c) Difficulty in finding skilled labor
 - d) Limited market demand or access to customers
35. How can the government or private sector better support aspiring entrepreneurs in your community (Select all the applicable options)?

- a) Offering grants and subsidies for new businesses
 - b) Organizing business incubation centres and accelerators
 - c) Providing tax incentives for new businesses
 - d) Creating a more business-friendly regulatory environment
36. Would you be interested in participating in government-sponsored entrepreneurship development programs or business incubators?
- a) Yes
 - b) No
37. What additional incentives or policies should the government offer to encourage entrepreneurship (Select all the applicable options)?
- a) Tax exemptions or reductions for new businesses
 - b) Easier access to funding or micro-loans for small businesses
 - c) Support with business registrations and licenses
 - d) Offering mentorship programs with successful entrepreneurs
38. How can the government better connect aspiring entrepreneurs with potential customers, investors, or business partners (Select all the applicable options)?
- a) Creating digital platforms for business matchmaking
 - b) Organizing local trade fairs and networking events
 - c) Offering grants or sponsorships to attend international business conferences
39. How do you rate the performance of Andhra Pradesh in providing Skills and Employment Opportunities when compared to other states?
- a) Satisfied
 - b) Needs improvement
-

3. Population Management & Human Resources Development_ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions a future where every individual is equipped with the skills needed to thrive in a rapidly evolving global economy. Andhra Pradesh targets achieving 100% digital literacy, creating a digitally empowered population. To strengthen the workforce, the state aspires to introduce a unique Skill Passport system for concurrent skill audits, providing individuals with a roadmap for future skill development.

Survey Questionnaire for Assessing Current Scenario & Future Readiness in realizing the Vision of "Population Management & Human Resources Development" in Andhra Pradesh by 2047

Survey questions for gathering insights on the effectiveness and impact of the Skill Passport system and other initiatives related to skill development and digital literacy in Andhra Pradesh:

The following is a **multiple-choice survey** designed to assess the **current scenario and future readiness** in realizing the vision of **"Population Management & Human Resources Development in terms of the demographic dividend"** in Andhra Pradesh by 2047.

Section 1: Understanding the Demographic Dividend

1. Gender
 - a) Male
 - b) Female
 - c) Other
2. Age group
 - a) 15 - 25
 - b) 26 - 40
 - c) 41 - 50
 - d) 51 +
3. Educational qualifications
 - a) Below 10th
 - b) 10th
 - c) ITI
 - d) Diploma
 - e) Graduate - conventional
 - f) Graduate - Professional
 - g) PG & above
4. Marital status

- a) Married
 - b) Unmarried
5. Marital age
- a) Below 18
 - b) 18-25
 - c) 25 & above
6. Employment status
- a) Employed
 - b) Un employed
7. Nature of work
- a) Casual
 - b) Contractual
 - c) Permanent
 - d) Self - employed
8. Which skills are required for your current job?
- a) No Skills (Housekeeping, sweeping, etc.)
 - b) Basic Skills (Security - guards, community service providers)
 - c) Independent work, Problem fixing with some technical & Supervisory roll (Plumber, Electrician, Mason etc.)
 - d) Highly level expertise, leadership & Innovation (CA, Engineer, Doctor etc.)

Section 2: Education & Skill Development

9. How would you rate the current UG education system (Single Major System) in preparing youth for the job market?
- a) Excellent
 - b) Good
 - c) Average
 - d) Poor
10. What is the biggest challenge in youth skill development today?
- a) Lack of industry-relevant courses
 - b) Limited vocational training infrastructure
 - c) Poor linkage between education and jobs
 - d) Lack of funding and scholarships
11. How effective are current government programs (PMKVY, SANKALP, Andhra Yuva Sakthi etc.)in enhancing skills for future job markets?
- a) Very effective
 - b) Moderately effective
 - c) Needs improvement
 - d) Not effective at all

Section 3: Employment & Economic Growth

12. What is the biggest factor that is hindering your job opportunities?
 - a) Mismatch between skills and industry needs
 - b) Slow industrial growth
 - c) Limited entrepreneurship & startup ecosystem
 - d) Dependence on government jobs
13. How prepared is Andhra Pradesh's workforce for the future job market?
 - a) Highly prepared
 - b) Moderately prepared
 - c) Needs improvement
 - d) Not prepared at all
14. What should be the government's primary focus to boost employment?
 - a) Promoting entrepreneurship & startups
 - b) Attracting investments & industries
 - c) Enhancing vocational training & digital skills
 - d) Improving labor laws & worker protection

Workforce and Employment:

15. Do you believe that digital and technical skills are critical for improving your job prospects?
 - a) Yes
 - b) No
 - c) Unsure
16. Have you had any difficulty in finding employment due to a lack of specific skills?
 - a) Yes
 - b) No
 - c) Sometimes
17. What kind of skill training do you believe would make you more employable? (Select all that apply)
 - a) Technical/IT skills
 - b) Communication skills
 - c) Leadership skills
 - d) Creativity and innovation
 - e) Analytical and problem-solving skills
 - f) Digital literacy
 - g) Combination of all
 - h) Other (please specify)

Skill Development Programs:

18. Have you attended any skill development training programs?
- a) Yes
 - b) no
19. What would encourage you to participate more in skill development programs?
- a) Financial support or incentives
 - b) Flexible timing
 - c) Availability of free courses
 - d) Access to job placement opportunities
 - e) Combination of all the above
 - f) Other (please specify)

Section 4: Health & Well-being for Workforce Productivity

20. How accessible is quality healthcare for the working-age population?
- a) Highly accessible
 - b) Moderately accessible
 - c) Limited access
 - d) Poor access
21. Which health factor is affecting your productivity?
- a) Malnutrition & lifestyle diseases
 - b) Mental health issues
 - c) Workplace safety & occupational hazards
 - d) Lack of access to affordable healthcare
22. What should be the focus area for improving healthcare to support the Working-age Population (15-64 age group) ?
- a) Strengthening public healthcare infrastructure
 - b) Expanding health insurance & affordability
 - c) Increasing awareness & preventive care
 - d) Promoting corporate wellness programs

Section 5: Future Readiness & Policy Planning

23. How well are current government policies on Education, Health care, Gender Equality, Urban Planning & Infrastructure etc., aligned with maximizing the demographic dividend(Working-age Population)?
- a) Highly aligned
 - b) Moderately aligned
 - c) Needs significant improvement
 - d) Not aligned at all

24. Which area should receive the most investment for realizing the demographic dividend?
- a) Education & Skill Development
 - b) Healthcare & Social Security
 - c) Infrastructure & Urban Planning
 - d) Employment & Entrepreneurship
25. What is the biggest risk to Andhra Pradesh's demographic dividend in the next 25 years?
- a) Lack of employment opportunities
 - b) Poor quality of education & training
 - c) Declining fertility rate & aging population
 - d) Climate change & environmental challenges
26. Which innovative approach would best support the state's vision for 2047 (Select all that apply)?
- a) AI & automation in workforce management
 - b) Digital transformation in governance
 - c) Green economy & sustainability initiatives
 - d) International collaboration & investment
27. How confident are you that Andhra Pradesh can successfully harness its demographic dividend by 2047?
- a) Very confident
 - b) Somewhat confident
 - c) Neutral
 - d) Not confident

Digital Literacy:

28. Have you participated in any digital literacy programs or training offered by the government or private organizations?
- a) Yes
 - b) No
29. What challenges do you face in becoming digitally literate? (Select all that apply)
- a) Lack of access to devices
 - b) Lack of internet connectivity
 - c) Lack of knowledge or understanding
 - d) Financial constraints
 - e) Other (please specify)
30. Would you be interested in participating in free digital literacy programs if available?
- a) Yes

- b) No
- c) Maybe

Feedback on Government Initiatives:

31. What improvements would you suggest for the government's digital literacy programs (Digital India, PMGDISHA, NDLM, NDLI, Digital Classrooms, LEAP etc.)?
- a) More interactive and hands-on sessions
 - b) Better accessibility and infrastructure
 - c) More inclusive for rural areas
 - d) Additional language support
 - e) Other (please specify)

Future Projections:

32. Have you participated in any training or skill development program under **PMKVY 4.0**?
- a) Yes
 - b) No
33. If you have not participated in PMKVY 4.0, what was the primary reason?
- a) Lack of awareness
 - b) No suitable training options available
 - c) Time constraints
 - d) Accessibility issues (location, transportation)
 - e) Other (please specify)

Impact & Effectiveness of PMKVY 4.0:

34. Do you think the training provided under **PMKVY 4.0** has improved your skills for better employment opportunities?
- a) Yes
 - b) No
 - c) Somewhat
 - d) Not sure
35. Do you think the certification provided by **PMKVY 4.0** is recognized by employers in the job market?
- a) Yes
 - b) No
 - c) Not sure
-

4. Water Security _ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions a future where every household and sector has secure and sustainable access to water resources, ensuring equitable distribution and efficient usage. To enhance water efficiency, the state aims to adopt advanced irrigation methods like drip irrigation, integrated with technological and scientific planning. Monitoring water quality and promoting rainwater harvesting mechanisms are central to the vision.

Survey Questionnaire for Assessing Current Scenario & Future Readiness in realizing the Vision of " Water Security" in Andhra Pradesh by 2047

survey questions with focus on public awareness on water security, sustainable water practices, effective usage, rainwater harvesting, and the Jal Jeevan Mission's implementation in Andhra Pradesh:

Section 1: General Awareness and Attitudes

1. What is the main source of drinking water in your household?
 - a) Piped water supply
 - b) Bore-well / Tube well
 - c) Open well
 - d) Tank/ Pond
 - e) River / Canal
 - f) Water Tanker supply
 - g) Other (please specify)
2. What do you think is the main cause of water shortages in your area?
 - a) Over extraction of groundwater
 - b) Climate change (Erratic rainfall, droughts)
 - c) Poor water management
 - d) Industrial and Agricultural over use
 - e) Deforestation and land degradation
3. How do you cope with water shortages? (select all that apply)
 - a) Buying water from tankers
 - b) Storing water in advance
 - c) Using water conservation techniques
 - d) Relying on alternative water sources (Wells, Ponds, rivers)
 - e) Others (Please specify)
4. How would you rate the quality of drinking water in your area?
 - a) Very good
 - b) Good
 - c) Average

- d) Poor
 - e) Very Poor
5. How does water scarcity impact your family's daily life or work?
- a) Frequent absence of your child from school or college
 - b) Increased cost of water leads to out-of-pocket expenditure for education and health
 - c) Reduced agricultural productivity
 - d) Health issues due to poor water quality
 - e) Other (please specify)
6. How has water availability changed over the past decade in your area?
- a) Improved Significantly
 - b) Improved slightly
 - c) Remained the same
 - d) Declined slightly
7. Have you noticed water pollution in your area?
- a) Yes
 - b) No
8. What are the Primary sources of water pollution in your area? (Select all that apply)
- a) Industrial Waste
 - b) Agricultural runoff (pesticides, fertilizers)
 - c) Domestic sewage
 - d) Solid waste dumping
 - e) Other (please specify)
9. How often do you think about the importance of water conservation?
- a) Rarely
 - b) Occasionally
 - c) Frequently
 - d) Always
10. Are you aware of sustainable water practices such as rainwater harvesting or water recycling?
- a) Yes
 - b) No
11. How familiar are you with sustainable water practices such as rainwater harvesting or water recycling?
- a) Not familiar
 - b) Somewhat familiar
 - c) Familiar
 - d) Very familiar

12. Have you attended any awareness programs or campaigns on water conservation?
- a) Yes
 - b) No
13. Where do you usually get information about water conservation methods?
- a) Government programs
 - b) Social media
 - c) Local community meetings
 - d) Television/radio
 - e) Other (please specify): _____
14. Which category of water supply do you encourage ?
- a) Paid water supply
 - b) Public water supply
15. Do you think water resources in your area are being utilized sustainably?
- a) Yes
 - b) No
 - c) Not sure

Section 2: Sustainable Water Practices and Effective Usage

16. Do you actively practice any water-saving methods (e.g., turning off taps, fixing leaks)?
- a) Yes
 - b) No
17. Which of the following sustainable water practices are you aware of?
(Select all that apply)
- a) Drip irrigation
 - b) Rainwater harvesting
 - c) Greywater recycling
 - d) Use of water-efficient appliances
18. Are you interested in learning more about sustainable water usage techniques?
- a) Yes
 - b) No
19. Have you ever visited the water quality testing lab in your locality ?
- a) Yes
 - b) No
20. Do you have idea on Ph value of your household water ?
- a) Yes
 - b) No
21. What is the quality of ground water in your area ?

- a) Soft
 - b) Average
 - c) Hard
 - d) Hard & Salty
22. Do you measure quantity of Daily Water Consumption in your family ?
- a) Yes
 - b) No
 - c) Rarely we do
23. What challenges do you face in adopting water-efficient practices?
- a) Lack of awareness
 - b) Cost of implementation
 - c) Lack of infrastructure
 - d) Other (please specify): _____

Section 3: Rainwater Harvesting

24. Have you installed rainwater harvesting systems at your home or farm?
- a) Yes
 - b) No
- If yes, please specify
- _____
25. If not, what are the primary reasons?
- a) Lack of knowledge about the process
 - b) Financial constraints
 - c) Lack of space
 - d) Other (please specify): _____
26. How effective do you think rainwater harvesting could be in addressing water shortages in Andhra Pradesh?
- a) Not effective
 - b) Somewhat effective
 - c) Effective
 - d) Very effective
27. Have you seen any community-level rainwater harvesting systems in your area?
- a) Yes
 - b) No
28. Would you be willing to contribute (financially or otherwise) to setting up rainwater harvesting systems in your community?
- a) Yes
 - b) No

Section 4: Effectiveness of the Jal Jeevan Mission

29. Are you aware of the Jal Jeevan Mission that provides safe drinking water to every household?
- a) Yes
 - b) No
30. How satisfied are you with the implementation of the Jal Jeevan Mission in your area?
- a) Very dissatisfied
 - b) Dissatisfied
 - c) Neutral
 - d) Satisfied
 - e) Very satisfied
31. What is the current status of the Jal Jeevan Mission in your area?
- a) Fully operating
 - b) Partially operating
 - c) Not yet implemented
32. Has the Jal Jeevan Mission improved access to drinking water in your household?
- a) Yes
 - b) No
33. Do you believe the Jal Jeevan Mission has effectively addressed water scarcity issues in rural areas?
- a) Yes
 - b) No
34. How would you rate the quality of drinking water in your area provided under Jal Jeevan Mission?
- a) Very good
 - b) Good
 - c) Average
 - d) Poor
 - e) Very Poor
35. Have you faced Health issues due to water contamination after Jal Jeevan Mission implementation?
- a) Yes
 - b) No
36. Which of the following measures are necessary for the further improvement of the Jal Jeevan Mission?
- a) Better infrastructure development
 - b) Faster project execution

- c) Increased public awareness
- d) Enhanced monitoring and transparency
- e) Other (please specify): _____

Section 5: Public Participation and Suggestions

37. Are you willing to participate in government-led water conservation initiatives?
- a) Yes
 - b) No
38. How often do you discuss water-related issues with your community?
- a) Rarely
 - b) Occasionally
 - c) Frequently
39. Do you think community involvement is crucial for improving water security?
- a) Yes
 - b) No
40. How effective are local government authorities in addressing water-related concerns?
- a) Very ineffective
 - b) Ineffective
 - c) Neutral
 - d) Effective
 - e) Very effective
41. Though Municipal Water provided in your area is of good quality for household do you prefer purchasing water from bottles/tin/bubbles ?
- a) Yes
 - b) No
42. Why do people in your area buy bottled water instead of municipal tap water for household needs ?
- a) Thinking tap water might be unsafe for drinking
 - b) More publicity to bottled water
 - c) Any other
43. What additional measures would you suggest to improve water security and sustainability in Andhra Pradesh?
- a) More awareness campaigns
 - b) Subsidies for water-efficient technologies
 - c) Better infrastructure for water storage
 - d) Stringent water usage policies
 - e) Other (please specify): _____

5. Farmer Agri-Tech _ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions a future where agriculture becomes a sustainable and high-income-generating sector through the adoption of advanced technologies, innovative practices, and robust market linkages, enhancing quality of life for all farmers. The state aims to maximize farmer incomes by aligning them with best-in-class standards while ensuring production stability through access to credit, mentorship, and legal support. This will include creating a world-class ecosystem for high-end processing, storage, and exports. The Andhra Pradesh Community Managed Natural Farming (APCNF) program will be expanded to reduce farming costs, improve soil health, and enhance climate resilience. Additionally, agroforestry, crop rotation, and low-input farming techniques will be widely adopted to balance productivity with sustainability.

The vision for **Farmer Agri-Tech in Andhra Pradesh** outlines a transformative approach to agriculture by leveraging advanced technologies and innovative practices to make farming a sustainable and high-income-generating sector. Here's a summary of the key points:

Objectives:

1. **Sustainability and High Income:** Promote farming as a sustainable and profitable venture for all farmers.
2. **Advanced Technologies:** Drive adoption of cutting-edge tools and practices in agriculture.
3. **Robust Market Linkages:** Strengthen connections to ensure farmers access stable and lucrative markets.
4. **Quality of Life:** Enhance farmers' overall living standards by improving income stability.

Strategies:

- **Best-in-Class Standards:** Align agricultural practices with global benchmarks to maximize farmer incomes.
- **Ecosystem Development:** Establish world-class infrastructure for processing, storage, and exports.
- **Financial and Legal Support:** Ensure farmers have access to credit, mentorship, and legal assistance for better production stability.

Key Programs:

1. **APCNF Expansion:**
 - Reduce farming costs.

- Improve soil health.
- Build resilience to climate change.

2. Sustainable Practices:

- Promote agroforestry and crop rotation.
- Encourage low-input farming techniques to balance productivity and sustainability.

This vision aims to empower Andhra Pradesh farmers by fostering innovation, reducing risks, and enhancing economic opportunities, thereby securing a brighter future for agriculture in the state

Survey Questionnaire

Survey questionnaire that includes questions about the **Andhra Pradesh Community-Managed Natural Farming (APCNF) program**, along with sections on farming challenges, technology adoption, and market linkages. This will help gather **comprehensive insights** on farmer participation, perceptions, challenges, and the impact of APCNF.

Section 1: Farmer Profile & General Information

1. What is the Source of irrigation ?

2. What is your primary type of farming?
 - a) Crop Farming
 - b) Dairy Farming
 - c) Poultry Farming
 - d) Aquaculture
 - e) Others (Please specify): _____
3. What is the size of your farmland?
 - a) Less than 2 acres
 - b) 2-5 acres
 - c) 6-10 acres
 - d) More than 10 acres
4. What is your primary source of income?
 - a) Farming alone
 - b) Farming and allied activities (e.g., dairy, poultry)
 - c) Non-agriculture sources
5. How long have you been engaged in farming?
 - a) Less than 5 years
 - b) 5-10 years
 - c) 10-20 years

- d) More than 20 years
- 6. Name the crops you cultivate? _____
- 7. Whether using Green Manure Seed or not ?
 - a) Yes
 - b) No
- 8. Whether Soil Sampling done or not ?
 - a) Yes
 - b) No
- 9. Whether the farmer is having awareness on crop insurance or not ?
 - a) Yes
 - b) No
- 10. Whether the farmer is availing services from the local Rythu Seva Kendralu ?
 - a) Yes
 - b) No
- 11. Whether the farmer is having awareness on different government schemes like Annadatha Sukhibava, Subsidy on Farm Mechanization etc. ?
 - a) Yes
 - b) No

Section 2: Current Scenario in Farming (Challenges & Opportunities)

- 12. How would you rate the overall farming conditions in your area?
 - a) Very Favorable
 - b) Somewhat Favorable
 - c) Neutral
 - d) Somewhat Unfavorable
 - e) Very Unfavorable
- 13. What are the biggest challenges you face in farming? *(Select all that apply)*
 - a) Climate change and unpredictable weather
 - b) Water scarcity and irrigation issues
 - c) High input costs (seeds, fertilizers, machinery)
 - d) Limited access to quality seeds and fertilizers
 - e) Soil degradation and declining productivity
 - f) Labor shortages
 - g) Lack of technical knowledge
 - h) Pest and disease outbreaks
 - i) Poor market prices
 - j) Others (Please specify): _____
- 14. Select the causes for farm losses?
 - a) Water scarcity (Drought)
 - b) Floods

- c) Cyclones
- d) Diseases and pests
- e) Seed Quality

Section 3: Awareness & Participation in APCNF Program

15. Which of the following government initiatives for natural farming have you heard of or participated in? (Select all that apply)
- a) Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)
 - b) Paramparagat Krishi Vikas Yojana (PKVY)
 - c) National Mission on Sustainable Agriculture (NMSA)
 - d) Soil Health Management (SHM) Scheme
 - e) Rashtriya Krishi Vikas Yojana (RKVY)
 - f) Organic Farming Scheme (State Specific)
 - g) Others (please specify)
16. Are you aware of the Andhra Pradesh Community-Managed Natural Farming (APCNF) program?
- a) Yes
 - b) No
17. Have you participated in any APCNF training or workshops?
- a) Yes, regularly
 - b) Yes, occasionally
 - c) No, but I am interested
 - d) No, and I am not interested
18. Have you adopted any APCNF natural farming practices? (*Select all that apply*)
- a) Zero Budget Natural Farming (ZBNF) methods
 - b) Use of bio-inoculants (e.g., Jeevamrut, Beejamrut, Biofertilisers)
 - c) Mulching for soil conservation
 - d) Cover crops
 - e) Intercropping and bio crop rotation
 - f) Use of natural pesticides
 - g) Zero Tillage
 - h) Agroforestry
 - i) Livestock integration into farming
 - j) None
19. What are the main benefits you have observed from natural farming practices? (*Select all that apply*)
- a) Improved soil fertility
 - b) Reduced cost of fertilizers and pesticides

- c) Increased crop yield
 - d) Better water retention in soil
 - e) Higher profits due to organic certification
 - f) No major benefits observed
20. If you have not adopted natural farming, what are the reasons?
- a) Lack of knowledge about the techniques
 - b) Uncertainty about yield and profitability
 - c) Lack of government support and incentives
 - d) Difficulty in accessing natural farming inputs
 - e) Market demand is low for naturally grown produce
 - f) Others (Please specify): _____
21. Are you willing to shift to natural farming if proper support and incentives were provided?
- a) Yes, I am already practicing it
 - b) Yes, if incentives are given
 - c) Maybe, but I need more information
 - d) No, I prefer conventional farming

Section 4: Adoption of Advanced Technologies

22. How did you learn about the modern Agri-tech practices?
- a) Government Programmes
 - b) Private Agri-tech companies
 - c) Agricultural Universities and Research Centers
 - d) Social media and online platforms
 - e) Other farmers
23. Are you aware of advanced agricultural technologies such as precision farming, IoT-based monitoring, and AI-driven crop management?
- a) Yes
 - b) No
24. Have you implemented any of the following technologies? (*Select all that apply*)
- a) Drip Irrigation
 - b) Soil Testing and Smart Fertilizer Application
 - c) IoT-based Crop Monitoring
 - d) AI-driven Pest and Disease Detection
 - e) Drone Technology for Farming
 - f) None
25. If not, what are the major barriers to adopting advanced agricultural technologies?
- a) High costs

- b) Lack of technical knowledge
 - c) Limited access to equipment
 - d) Unavailability of skilled labor
 - e) Others (Please specify): _____
26. Whether the farmer is using latest farm machinery or not ?
- a) Yes
 - b) No

Section 5: Market Linkages & Financial Support

27. How do you currently sell your agricultural produce?
- a) Direct to local markets
 - b) Through middlemen
 - c) Government procurement
 - d) Online platforms
 - e) Others (Please specify): _____
28. Do you feel that your produce gets a fair market price?
- a) Always
 - b) Sometimes
 - c) Rarely
 - d) Never
29. Are you aware of government or private financial support schemes available for farmers?
- a) Yes
 - b) No
30. Have you availed any financial aid or subsidy for farming?
- a) Yes, and it was helpful
 - b) Yes, but it was difficult to access
 - c) No, because I am not aware of them
 - d) No, because I was not eligible
31. Do you believe that farmers practicing natural farming should receive better financial incentives and market support?
- a) Strongly Agree
 - b) Agree
 - c) Neutral
 - d) Disagree
 - e) Strongly Disagree
32. Whether the farmer is availing institutional credit from banks or not ?
- a) Yes
 - b) No

Section 6: Sustainability and Quality of Life

33. Do you think farming is a sustainable and profitable occupation in the long run?
- a) Strongly Agree
 - b) Agree
 - c) Neutral
 - d) Disagree
 - e) Strongly Disagree
34. How do you rate the availability of irrigation facilities in your region?
- a) Very Good
 - b) Good
 - c) Average
 - d) Poor
 - e) Very Poor
35. Where do you store your agricultural produce?
- a) Government warehouses
 - b) Private warehouses
 - c) House based storage
 - d) Any other, specify
36. What additional support do you need to improve your farming income?
(Select all that apply)
- a) Better access to modern technology
 - b) Improved market linkages
 - c) Easier access to financial aid and subsidies
 - d) Training and education on advanced farming practices
 - e) Legal assistance for farming-related issues

Section 7: Future Expectations & Feedback

37. Would you be interested in participating in training programs on modern agricultural techniques and natural farming?
- a) Yes
 - b) No
38. Would you prefer to transition to organic certification for your produce if proper guidance and incentives are provided?
- a) Yes, I am interested
 - b) Maybe, I need more information
 - c) No, I prefer conventional farming
39. Do you believe that modern Agri-tech practices improve the farm productivity ?

- a) Yes, significantly
 - b) Yes but only slightly
 - c) No, I have not seen any improvement
40. Does Agri-tech help in reducing farming costs (Water, Labour, fertilisers etc)?
- a) Yes
 - b) No
41. Does Agri-tech influence crop quality and market prices
- a) Yes
 - b) No
42. Does Agri-tech help in dealing with climate change effects (Droughts, erratic rainfall, soil degradation)?
- a) Yes
 - b) No
-

6. Global Best Logistics _ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions a world-class logistics network that enhances connectivity, efficiency, and economic growth, transforming the state into a leading hub for global trade and commerce. The state aims to upgrade its infrastructure by establishing state and national highways that connect key socio-economic hubs and modernizing an extensive rail network, including high-speed rail systems.

Survey: This survey assesses the current state, potential, measures to be taken and readiness of Andhra Pradesh to transform into a world-class logistics hub by 2047.

Section 1: Current Logistics Infrastructure

1. How would you rate the current logistics infrastructure in Andhra Pradesh?
 - a) Excellent
 - b) Good
 - c) Average
 - d) Poor
2. What are the biggest challenges faced in logistics within the state? (Select all that apply)
 - a) Inadequate road/rail/port infrastructure
 - b) High transportation costs
 - c) Inefficiencies in supply chain management
 - d) Lack of skilled workforce
 - e) Poor technology adoption
 - f) Regulatory hurdles
3. How effective is the current integration of ports, railways, and road transport in facilitating seamless movement of goods?
 - a) Highly effective
 - b) Somewhat effective
 - c) Neutral
 - d) Ineffective
 - e) Very ineffective
4. How satisfied are you with the ease of doing business in the logistics sector in Andhra Pradesh?
 - a) Very satisfied
 - b) Satisfied
 - c) Neutral
 - d) Dissatisfied

- e) Very dissatisfied
- 5. Which areas of logistics infrastructure need the most urgent improvement? (Select top 3)
 - a) Roads and highways
 - b) Railways and multimodal hubs
 - c) Ports and coastal shipping
 - d) Warehousing and cold storage
 - e) Digital logistics platforms

Section 2: Potential for Growth

- 6. What do you see as Andhra Pradesh's biggest advantage in developing world-class logistics?
 - a) Strategic coastal location
 - b) Presence of major ports (Visakhapatnam, Krishnapatnam, Kakinada)
 - c) Expanding industrial and manufacturing zones
 - d) Government incentives and policies
 - e) Emerging technology adoption
- 7. Which logistics sectors have the most potential for growth in Andhra Pradesh? (Select top 3)
 - a) Port-based logistics
 - b) E-commerce and last-mile delivery
 - c) Cold chain and agri-logistics
 - d) Multimodal transportation hubs
 - e) Warehousing and distribution
- 8. How do you rate Andhra Pradesh's potential to become a global logistics hub by 2047?
 - a) Very high
 - b) High
 - c) Moderate
 - d) Low
 - e) Very low
- 9. Which government policies could further enhance logistics growth in Andhra Pradesh? (Select top 2)
 - a) Increased public-private partnerships (PPP)
 - b) Higher investments in automation and digitization
 - c) Faster regulatory clearances for logistics projects
 - d) Special incentives for green logistics initiatives
- 10. What level of investment (public + private) do you think is necessary to transform Andhra Pradesh into a global logistics hub?

- a) Minimal investment required
- b) Moderate investment required
- c) Significant investment required
- d) Extensive investment required

Section 3: Readiness for Smart Logistics

11. How prepared is Andhra Pradesh in adopting smart logistics technologies (AI, IoT, blockchain)?
- a) Highly prepared
 - b) Moderately prepared
 - c) Somewhat prepared
 - d) Not prepared
12. Are logistics companies in Andhra Pradesh ready to meet global standards in supply chain efficiency?
- a) Yes, fully ready
 - b) Partially ready
 - c) Not yet ready
13. How well-trained is the workforce in handling modern logistics operations?
- a) Highly skilled
 - b) Moderately skilled
 - c) Needs significant improvement
14. What additional steps should be taken to enhance logistics readiness? (Select all that apply)
- a) More investments in logistics education and training
 - b) Faster adoption of digital platforms
 - c) Strengthening of last-mile delivery networks
 - d) Policy reforms to simplify regulations
15. What is the most critical success factor for Andhra Pradesh to achieve its Global Best Logistics Vision 2047?
- a) Infrastructure modernization
 - b) Technology adoption
 - c) Workforce upskilling
 - d) Policy and regulatory reforms
 - e) Private sector investment

Section 4: Future Strategies & Vision 2047 Implementation

16. What should be the top priority to enhance Andhra Pradesh's logistics sector?
- a) Expanding port capacity and efficiency

- b) Developing multimodal transport corridors
 - c) Implementing AI-driven logistics management systems
 - d) Strengthening last-mile delivery infrastructure
17. How can the government accelerate logistics infrastructure development? (Select top 2)
- a) Increasing budget allocation for logistics projects
 - b) Encouraging FDI and private sector participation
 - c) Reducing red tape and fast-tracking clearances
 - d) Creating special logistics economic zones
18. Which technology interventions should Andhra Pradesh prioritize? (Select top 2)
- a) Smart tracking and AI-driven analytics
 - b) Blockchain for transparent supply chains
 - c) Automated and drone-based last-mile delivery
 - d) Green energy solutions for logistics hubs
19. What measures should be taken to make Andhra Pradesh's logistics industry globally competitive? (Select all that apply)
- a) Implement single-window clearance for logistics businesses
 - b) Strengthen road, rail, and inland waterway connectivity
 - c) Develop world-class logistics parks with smart warehousing
 - d) Promote green and sustainable logistics practices
20. How should Andhra Pradesh position itself to attract global logistics investments? (Select top 2)
- a) Develop a business-friendly logistics policy
 - b) Offer tax incentives to global logistics players
 - c) Host global logistics summits and trade fairs
 - d) Strengthen port and export connectivity with international markets
21. What should be the focus of logistics workforce training in Andhra Pradesh?
- a) AI and automation in logistics
 - b) Supply chain management best practices
 - c) Cold chain logistics and handling perishable goods
 - d) Smart warehousing and inventory management
22. What role should green logistics play in Andhra Pradesh's Vision 2047?
- a) Mandate electric trucks and low-emission transport
 - b) Incentivize eco-friendly warehouses and ports
 - c) Encourage circular economy practices in supply chains
 - d) No priority should be given to green logistics
23. What should be the government's priority to improve last-mile delivery in Andhra Pradesh?

- a) Develop smart urban logistics zones
 - b) Allow greater drone-based delivery systems
 - c) Improve road infrastructure in cities and towns
 - d) Support local MSMEs in logistics startups
24. Which global markets should Andhra Pradesh focus on for export logistics?
- a) North America and Europe
 - b) Southeast Asia and China
 - c) Middle East and Africa
 - d) Australia and New Zealand
25. Would you support special logistics corridors in Andhra Pradesh for high-priority goods like pharmaceuticals and electronics?
- a) Yes, strongly support
 - b) Yes, somewhat support
 - c) Neutral
 - d) No, not necessary
-

7. Cost Optimization - Energy & Fuel: A Guiding Principle for AP's Vision @2047

Cost Optimization - Energy & Fuel- (Optimizing energy & fuel costs) Andhra Pradesh envisions a sustainable and energy-efficient future by optimizing energy and fuel costs, promoting renewable sources, and achieving self-reliance in energy production and utilization. The state aims to provide a balanced energy mix through solar, wind, and pumped hydro energy. Green energy hubs and corridors are planned, focusing on integrated facilities like waste-to-energy plants, biogas units, and pumped hydro storage. Andhra Pradesh aspires to lead in green hydrogen production and decarbonizing greenhouse gas-intensive sectors, ensuring sustainable development and paving the way toward net-zero emissions by 2047.

Survey: Current Situation, Potential, public awareness, political commitment, challenges, opportunities and Readiness for Andhra Pradesh's Global Best Logistics Vision 2047

Section 1: Current Situation

1. What kinds of energy sources do you utilize? *(Select all that apply)*
 - a) Electricity from the grid
 - b) Solar energy
 - c) Wind energy
 - d) Fossil fuels (e.g., petrol, diesel, coal)
 - e) Biogas/waste-to-energy
 - f) Other (please specify)
2. Are you satisfied with the current price of energy and fuel in Andhra Pradesh?
 - a) Very satisfied
 - b) Somewhat satisfied
 - c) Neutral
 - d) Somewhat dissatisfied
 - e) Very dissatisfied
3. What is your current monthly Electricity units consumption on energy and fuel ?
 - a) Less than 500 units
 - b) 500–1,000 units
 - c) 1,000–3,000 units
 - d) Over 3,000 units

4. Do you or your organization / Workplace currently practice sustainable and energy efficient practices/initiatives ?
 - a) Yes, extensively
 - b) Yes, partially
 - c) No, but considering
 - d) No, not considering

Section 2: Public Awareness

5. Are you familiar with Andhra Pradesh's initiatives for renewable energy and cost optimization / energy efficiency ?
 - a) Very familiar
 - b) Somewhat familiar
 - c) Not familiar
6. Are you aware of the benefits of using renewable energy sources (e.g., solar, wind, biogas)?
 - a) Yes, fully aware
 - b) Yes, somewhat aware
 - c) No, not aware
7. Are you aware that you can reduce your monthly power bill by following minimal steps like BEE star rated appliances, keeping AC at 24° C or above?
 - a) Yes, fully aware
 - b) Yes, somewhat aware
 - c) No, not aware
8. Do you know about government programs or subsidies for renewable energy adoption?
 - a) Yes, I have benefited from them
 - b) Yes, but I haven't used them
 - c) No, I am unaware
9. What sources of information do you trust most for learning about energy optimization / energy efficiency initiatives?
 - a) Government websites
 - b) Social media
 - c) Community meetings or public forums
 - d) Newspapers or TV
 - e) Word of mouth

Section 3: Political Commitment

10. Do you think the state government is committed to promoting renewable energy and reducing energy costs?
 - a) Strongly agree

- b) Agree
 - c) Neutral
 - d) Disagree
 - e) Strongly disagree
11. What aspects of government support for energy optimization do you find most effective? *(Select all that apply)*
- a) Subsidies for renewable energy adoption
 - b) Investment in green energy infrastructure (e.g., wind farms, solar parks)
 - c) Waste-to-energy and biogas projects
 - d) Green energy / energy efficiency awareness campaigns
12. What improvements would you like to see in government policies related to energy and fuel cost optimization? (open ended)

Section 4: Challenges

13. What are the primary challenges you face in adopting renewable energy? *(Select all that apply)*
- a) High initial investment
 - b) Lack of technical knowledge
 - c) Limited access to infrastructure
 - d) Unclear government policies or procedures
 - e) Lack of awareness about benefits
 - f) Other (please specify)
14. Which of the following renewable energy resources available in your area / village ?
- a) Solar
 - b) Wind
 - c) Bio Gas
 - d) Tidal energy
 - e) Geothermal

Section 5: Opportunities

15. The following renewable energy sources has the most potential in your area and why?
- a) Solar energy
 - b) Wind energy
 - c) Biogas/waste-to-energy
 - d) Green hydrogen
 - e) Tidal energy
 - f) geothermal

16. Are you interested to participate in government-supported programs like solar rooftop installations (Surya Ghar) or biogas production units or energy efficiency initiatives ?
- Yes, definitely
 - Yes, with more information
 - No
17. What incentives encourage you to adopt renewable energy or energy-efficient practices? *(Select all that apply)*
- Financial subsidies or tax benefits
 - Affordable loans for installation
 - Free technical support and training
 - Simplified policies and procedures
 - Other (please specify)
18. Do you see potential for solar / wind energy production and use in Andhra Pradesh?
- Yes, it has great potential
 - Yes, but only in specific sectors
 - No, not yet

Section 6: Decarbonization Initiatives

Individual Level

19. What measures have you personally taken to reduce energy consumption or emissions? *(Select all that apply)*
- Installing solar panels or renewable energy systems
 - Using energy-efficient appliances (e.g., LED bulbs, 5-star-rated devices)
 - Reducing use of private vehicles (carpooling, public transport, cycling)
 - Planting trees or participating in green initiatives
 - Waste segregation for recycling or composting
 - None of the above
20. Are you willing to take steps to decarbonize your lifestyle? *(Select all that apply)*
- Yes
 - No
- If yes (Choose the below options)
- Shift to electric or hybrid vehicles
 - Adopt rooftop solar or small wind turbines
 - Participate in energy-saving campaigns
 - Use biogas for cooking
 - Avoid products with high carbon footprints

- vi. Others (please specify)
21. What is the biggest challenge you face in adopting low-carbon or energy-efficient practices?
- a) High upfront costs
 - b) Lack of knowledge about options
 - c) Limited availability of technology
 - d) No tangible benefits or incentives
 - e) Other (please specify)

Local Community Level

22. What community-based decarbonization initiatives do you think are most effective in your area? *(Select all that apply)*
- a) Community solar or wind energy projects
 - b) Waste-to-energy plants or biogas units
 - c) Afforestation drives in urban and rural areas
 - d) Community workshops on energy conservation
 - e) Promotion of shared transport or cycling infrastructure
23. Does your local community participate in waste management practices such as segregation, composting, or recycling?
- a) Yes, extensively
 - b) Yes, but not consistently
 - c) No, there are no such practices
 - d) Unsure
24. What support do you think local communities need to implement decarbonization initiatives? *(Select all that apply)*
- a) Financial assistance or grants
 - b) Access to technical knowledge and resources
 - c) Simplified regulations for community energy projects
 - d) Regular workshops and awareness programs
 - e) Others (please specify)
25. What steps / regulations government required to take to curb pollutions and increase standard of living ?
- a) Prohibition of (ICE) petrol / diesel vehicles in your area (Adoption of Electrical Vehicles)
 - b) Adoption of sustainable development goals
 - c) Comprehensive waste management policy
 - d) Partnership with local bodies for greener environment
26. Do you participate in a community-driven renewable energy project if introduced in your area?
- a) Very likely
 - b) Somewhat likely

- c) Neutral
- d) Unlikely
- e) Very unlikely

Government Level

27. What government initiatives do you believe are most critical for decarbonization in Andhra Pradesh? *(Select all that apply)*
- a) Expanding green energy infrastructure (e.g., solar parks, wind farms)
 - b) Promoting green hydrogen production and use
 - c) Establishing green energy corridors
 - d) Subsidizing electric vehicles and charging stations
 - e) Mandating stricter energy efficiency standards for industries / buildings
 - f) Supporting research and innovation in renewable technologies
28. Which sectors should the government prioritize for decarbonization efforts? *(Select all that apply)*
- a) Power generation (shifting to renewables)
 - b) Transportation (EVs, public transport electrification)
 - c) Agriculture (sustainable farming, biogas adoption)
 - d) Industries (adopting clean technologies, reducing emissions)
 - e) Waste management (waste-to-energy, recycling)
 - f) Buildings (energy-efficient designs and retrofits)
29. What role should the government play to engage citizens in decarbonization efforts? *(Select all that apply)*
- a) Provide subsidies and financial support for green technologies
 - b) Conduct public awareness campaigns about low-carbon lifestyles
 - c) Promote eco-friendly urban planning and infrastructure
 - d) Partner with local communities and NGOs for green projects
 - e) Introduce strict regulations on high-emission practices
30. How effective do you find the current government programs and policies aimed at reducing emissions?
- a) Very effective
 - b) Somewhat effective
 - c) Neutral
 - d) Not very effective
 - e) Ineffective

Section 7: Future Outlook on Decarbonization

31. What would motivate you to actively contribute to decarbonization initiatives? *(Select all that apply)*

- a) Clear financial benefits (e.g., subsidies, tax rebates)
 - b) Visible environmental improvements (e.g., cleaner air, reduced waste)
 - c) Ease of access to renewable energy technologies
 - d) Community recognition for contributions
 - e) Other (please specify)
32. What innovations or technologies do you think could play a key role in Andhra Pradesh's decarbonization efforts? *(Select all that apply)*
- a) Surya Ghar
 - b) Green hydrogen production
 - c) Smart grids and energy storage systems
 - d) Advanced waste-to-energy technologies
 - e) High-efficiency electric vehicles
 - f) AI and IoT for energy optimization / efficiency
 - g) Other (please specify)
33. How soon do you think Andhra Pradesh can achieve net-zero emissions with the right initiatives?
- a) Before 2040
 - b) By 2047
 - c) After 2047
 - d) Unsure
34. What partnerships could accelerate decarbonization in Andhra Pradesh? *(Select all that apply)*
- a) Collaborations with private renewable energy companies
 - b) Engagement with international organizations (e.g., UN, World Bank)
 - c) Partnerships with educational institutions for R&D
 - d) Public-private community initiatives
 - e) Other (please specify)
-

8. Product Perfection _ A Guiding Principle for AP's Vision @2047

Andhra Pradesh envisions achieving product perfection across all sectors, making it a defining identity for the state. The state aims to establish an integrated skilling ecosystem, starting from the 6th grade, with access to world-class facilities, including advanced laboratories and sports infrastructure. Multi-disciplinary pathways and shared infrastructure for research and innovation will drive excellence and inclusivity. Andhra Pradesh plans to democratize skilling by creating a Skills University, ensuring the seamless transfer of skills across school and higher education levels. The state also intends to set up R&D Centres of Excellence and industry-led skilling hubs, such as the Ratan Tata Innovation Hub, to enhance product perfection and innovation. To strengthen the workforce, the state aspires to introduce a unique Skill Passport system for concurrent skill audits, providing individuals with a roadmap for future skill development. Andhra Pradesh targets achieving 100% digital literacy, creating a digitally empowered population. Remote learning centres are planned to ensure equitable access to education, particularly in underserved regions. By focusing on demographic management, the state aims to maintain a skilled and productive working-age population, laying the foundation for sustained economic growth and global competitiveness.

The Survey questionnaire explores public perception, current challenges and actionable issues in achieving excellence (**Product Perfection Initiative**) across sectors with regard to Andhra Pradesh's **Vision @2047**

Section - 1: General Awareness

1. Products / services of which of the following sectors are you aware of (Select all the applicable ones)?
 - a) Education
 - b) Healthcare
 - c) Manufacturing and Industry
 - d) Agriculture
 - e) Information Technology
 - f) Local Industries (such as cashew units, rice mills, food processing units, etc.)
2. Are you aware of services / products delivered through different means by the State Government?
 - a) Yes
 - b) No

3. Are you aware that the Government of Andhra Pradesh is now trying to improve the quality of the products and services provided by them (in areas such as education, healthcare, and industry) through “Product Perfection” as part of Swarna Andhra @2047?
 - a) Yes
 - b) No
4. If yes, how did you come to know about these initiatives? (Select all that apply)
 - a) Government campaigns
 - b) Social media
 - c) News outlets
 - d) Community meetings
 - e) Educational institutions

Section – 2: Current Situation Assessment:

5. Do you think the existing infrastructure (e.g. labs, training centres, schools, industries, etc.,) will be able to improve the services / products provided by the Government?
 - a) Yes
 - b) No
6. Are you aware of the importance of Research and Innovation in improving the services and products delivered by the Government?
 - a) Yes
 - b) No
7. How do you rate the efforts of the State Government in providing the necessary platform for improving Research and Innovation?
 - a) Satisfied
 - b) Dissatisfied
8. In which of the following sectors is the state of Andhra Pradesh is trying to provide innovation, research and innovation? (Select all the applicable ones)
 - a) Education
 - b) Healthcare
 - c) Manufacturing and Industry
 - d) Agriculture
 - e) Information Technology
 - f) Communication

Section – 3: Perceptions on Product Perfection:

9. Which sector in Andhra Pradesh requires the most focus to achieve product perfection (improve quality of services)?
 - a) Education
 - b) Healthcare
 - c) Manufacturing and Industry
 - d) Agriculture
 - e) Information Technology
10. Do you think the establishment of R&D centres will enhance the services or products provided by the Government?
 - a) Yes
 - b) No
11. Do you think the State Government is tracking and recognizing the skills of everyone?
 - a) Yes
 - b) No
12. Do you think tracking and recognizing the skills of individuals will contribute to improvement of products and services provided by the State Government?
 - a) Yes
 - b) No
13. Do you think the Government of Andhra Pradesh will be able to improve its products / services such that its global competitiveness improves?
 - a) Yes
 - b) No
14. Are you aware of Innovation Districts being developed in Andhra Pradesh?
 - a) Yes
 - b) No
15. Do you think innovation hubs and research centres can improve product quality?
 - a) Agree
 - b) Disagree
16. What support do small businesses and entrepreneurs need to improve their products?
 - a) Access to Better Raw Materials
 - b) Advanced Manufacturing Technology
 - c) Government Support & Subsidies
 - d) Skilled Workforce & Training
 - e) Better Marketing & Branding Strategies

17. Would you be interested in learning new skills to enhance product innovation and perfection?
- a) Yes
 - b) No

Section – 4: Access & Inclusivity:

18. How accessible are current government programs for skilling and innovation in your community?
- a) Fully accessible
 - b) Not accessible at all
19. What is the biggest barrier to achieving product perfection in your region?
- a) Lack of quality training and education
 - b) Limited financial support for research and innovation
 - c) Outdated infrastructure and technology
 - d) Poor industry-government collaboration
 - e) Poor people-government collaboration

Section – 5: Measures to be Taken:

20. What should be the top priority to enhance Andhra Pradesh's product / service quality and innovation?
- a) Expanding research and innovation hubs
 - b) Strengthening industry-academia collaboration
 - c) Improving skill development programs
 - d) Investing in digital transformation and automation
21. Which technology interventions should Andhra Pradesh prioritize to improve product / service quality? (Select all the applicable ones)
- a) AI and machine learning in quality control
 - b) Blockchain for transparent supply chains
 - c) Automated and smart manufacturing
 - d) Green energy solutions for industries
22. What steps should be taken to improve logistics and supply chain readiness for high-quality product delivery? (Select all that apply)
- a) Modernizing infrastructure
 - b) Implementing AI-driven logistics management
 - c) Expanding export capabilities
 - d) Reducing regulatory barriers for logistics businesses
23. What type of policy support is needed to drive product / service quality in Andhra Pradesh? (Select all the applicable ones)
- a) Increased government funding for research and development
 - b) Faster regulatory approvals for innovation-driven businesses
 - c) Special incentives for startups focused on product excellence

- d) Tax benefits for companies adopting high-quality production standards
24. What role should the private sector play in achieving product / service quality?
- a) Lead in R&D and technology investments
 - b) Partner with the government for skill development
 - c) Provide funding for infrastructure and innovation hubs
 - d) All the above

Section – 6: Discover Andhra Pradesh Initiative:

25. Do you think Andhra Pradesh's products (agriculture, handicrafts, technology, etc.) can compete globally?
- a) Yes
 - b) No
26. What are Andhra Pradesh's strongest products that should be promoted globally?
- a) Agricultural Goods
 - b) Handicrafts & Textiles
 - c) IT & Software Development
 - d) Pharma & Biotechnology
 - e) Marine & Fisheries
27. What challenges do local businesses face in improving product quality?
- a) High Production Costs
 - b) Lack of Modern Technology
 - c) Poor Market Reach
 - d) Limited Government Support

Section – 7: Economy & Global Market Readiness:

28. Are you familiar with the Economy industries (marine-based industries, fisheries, tourism, etc.)?
- a) Yes
 - b) No
29. Do you think Andhra Pradesh should invest more in coastal industries for global business expansion?
- a) Agree
 - b) Disagree
30. What do you think are the most important Blue Ocean sectors for economic growth (Select all the applicable ones)?
- a) Fisheries & Aquaculture
 - b) Marine Tourism
 - c) Shipping & Port Development
 - d) Renewable Ocean Energy
 - e) Deep-sea Exploration & Resources

9. Swachh Andhra _ A Guiding Principle for AP's Vision @2047

One of the ten guiding principles of the Swarnandhra vision @ 2047 is Swachh Andhra. Through Swachh Andhra, AP envisions a future where every citizen enjoys equal access to water, sanitation, and hygiene (WASH) facilities, creating clean living environments across the state. The state will adopt circular economy principles, promoting "waste to wealth" practices that transform waste into valuable resources. By integrating the LiFE (Lifestyle for Environment) movement into its framework, Andhra Pradesh will encourage sustainable lifestyles, enhancing environmental quality and reducing ecological footprints. Clean air and water availability will be ensured across regions, improving the health and well-being of all citizens. *(From AP's Vision 2047 Document)*

Access to **Water, Sanitation, and Hygiene (WASH)** facilities is critical for public health, economic development, and social equity. Ensuring universal WASH access aligns with Andhra Pradesh's Vision 2047 by promoting a healthier population, increasing productivity, and fostering sustainable rural and urban development.

Lifestyle for Environment (LiFE) is a sustainability-driven initiative that encourages individuals and communities to adopt environmentally conscious behaviors in daily life. The concept promotes **responsible consumption, conservation, and sustainable living** to reduce environmental impact and combat climate change.

Proposed Survey on "Access to Water, Sanitation, and Hygiene (WASH) Facilities and Awareness on adopting sustainable Lifestyle in Communities"

This survey is aimed at **Assessing Current Scenario, potential, measures & Future Readiness in realizing the Vision of " Swachh Andhra" by 2047.**

Section 1: Demographics and Household Information

1. Age:
 - a) Below 18
 - b) 18-35
 - c) 36-50
 - d) 51+
2. Gender:
 - a) Male
 - b) Female
 - c) Other
3. Occupation:

- a) Student
 - b) Farmer
 - c) Businessperson
 - d) Government employee
 - e) Other (please specify)
4. Educational Level:
- a) No formal education
 - b) Primary school
 - c) Secondary school
 - d) Higher education
 - e) Other (please specify)
5. Household Size:
- a) 1-3 members
 - b) 4-6 members
 - c) 7 or more members
6. Location of Residence:
- a) Urban
 - b) Rural
 - c) Semi-Urban

Section 2: Access to Water

7. Primary Source of Drinking Water:
- a) Public water supply (piped water)
 - b) Borewell/Hand pump
 - c) River/Stream
 - d) Private well
 - e) Bottled water
 - f) Other (please specify)
8. Is the water in your home safe to drink without treatment (e.g., boiling, filtration)?
- a) Yes, safe to drink
 - b) No, not safe to drink
 - c) Not sure
9. How frequently do you face water shortages in your area?
- a) Never
 - b) Occasionally
 - c) Frequently
 - d) Always
10. Does your household have a continuous supply of water?
- a) Yes, 24/7
 - b) Yes, but intermittent

- c) No
- 11. Does your community provide clean water for all residents, regardless of socioeconomic status?
 - a) Yes
 - b) No

Section 3: Access to Sanitation and Hygiene

- 12. Which type of sanitation facility (toilet) do you use?
 - a) Household toilet
 - b) Public toilet
 - c) Open defecation
- 13. What type of toilet facility do you have?
 - a) A flush toilet connected to the sewer system
 - b) Septic tank
 - c) Pit latrine
 - d) Composting toilet
 - e) Other (please specify)
- 14. Are public toilets in your area are clean and well maintained ?
 - a) Yes
 - b) No
 - c) Sometimes
- 15. What improvements are needed in public toilet facilities in your area?
(Select all that apply)
 - a) Better cleanliness
 - b) Handwash
 - c) Improved water supply
 - d) Better accessibility
 - e) Other (please specify)

Section 4: Sustainable Lifestyle Practices (Lifestyle for Environment)

- 16. Which of the following is used for marketing and traveling purposes?
 - a) Plastic bags
 - b) Cloth bags
 - c) Stainless steel or glass bottles
 - d) Other (please specify)
- 17. Do you actively reduce your use of water in daily activities (e.g., taking shorter showers, turning off taps when not in use)?
 - a) Yes, always
 - b) Sometimes
 - c) Rarely
 - d) Never

18. Which of the following electricity conservation practices are used in house/office?
- a) Solar panels
 - b) LED Bulbs
 - c) Unplugging electronic not in use
 - d) Others
19. Do you practice recycling / composting of household waste materials?
- a) Yes
 - b) No
20. Do you plant trees or engage in any form of gardening to improve the environment?
- a) Yes, regularly
 - b) Occasionally
 - c) Rarely
 - d) Never

Section 5: Advance Waste Management Practices

21. What type of waste disposal method does your household use for solid waste (e.g., garbage)?
- a) Municipal waste collection
 - b) Open dumping
 - c) Composting
 - d) Burning
 - e) Other (please specify)
22. Do you have waste segregation bins (e.g., separate bins for wet, dry, and hazardous waste), supplied by the municipality / panchayat?
- a) Yes
 - b) No
 - c) Sometimes
23. How do you manage the Dry Waste(e.g. Paper, Plastic & Glass)? (Select all that apply)
- a) Recycle
 - b) Reuse
 - c) Discard in the trash
 - d) Other (please specify)
24. How do you manage the Wet Waste(Vegetable peels, Fruit rinds & Egg shells) ? (Select all that apply)
- a) Compost
 - b) Discard in the trash
 - c) Feed to animals
 - d) Other (please specify)

25. How do you manage E-waste (electronics) ? (Select all that apply)
- Recycle
 - Dispose of at e-waste collection centers
 - Discard in the trash
 - Other (please specify)
26. Do you participate in local community waste management programs (e.g., waste collection, recycling initiatives)
- Yes, regularly
 - Occasionally
 - Rarely
 - Never
27. In your opinion, how can waste management be improved in your community? (Select all that apply)
- Better waste segregation programs
 - More recycling facilities
 - Public awareness campaigns on waste management
 - Availability of composting options
 - Stricter enforcement of waste disposal regulations
 - Conduct a Community cleanliness drive
28. What type of drain systems are located in your area?
- UGD (Underground Drains)
 - CC drains (Cement Concrete)
 - Kuccha Drains
 - Others (please specify)
29. Are there any Kitchen gardens (used water channelized to the garden area of the household) in your area?
- Yes
 - No
30. What type of liquid waste treatment plants are located near to your area?
- STPs (Sewage Treatment Plant)
 - FSTPs (Faecal Sludge Treatment Plant)
 - Others (please specify)

Section 6: Community Engagement and Feedback

31. Would you participate in a community clean and green programme?
- Yes
 - No
32. Would you participate in community programs focused on promoting sustainable living (e.g., waste reduction, water conservation)?
- Yes

- b) No
33. Are your local bodies maintaining cleanliness of garbage and drainage in your area?
- a) Yes
 - b) No
34. Did you find any IEC (Information, Education & Communication) activity on sanitation in your area through the following options ?
- a) Wall Paintings
 - b) Bill BoARDS
 - c) Pamphlets
 - d) Digital ads
35. What actions should local authorities take to improve waste management in your community? (Select all that apply)
- a) Provide more waste segregation bins
 - b) Increase public education on waste management
 - c) Improve waste collection services
 - d) Organize local recycling programs
 - e) Implement rules strictly

10. Deep Tech-All Walks of Life _ A Guiding Principle for AP's Vision

@2047

Andhra Pradesh envisions a technologically advanced future, integrating deep tech solutions into every aspect of life to drive innovation and improve citizen experiences. The state will establish four world-class tech services hubs and position itself as a global centre for artificial intelligence (AI). It envisions creating a robust ecosystem for data centres and cloud services to enable real-time monitoring and management. Advanced compliance with data protection and cybersecurity guidelines will also be prioritized to ensure safety and trust in digital systems.

In healthcare, tech-enabled real-time monitoring, genetic testing, and digital health profiling for citizens are envisioned to revolutionize preventive care. Embodying the principle to "Think Globally, Act Globally", the state will develop itself as a premier Deep-Tech Global hub with focus areas in AI, biotechnology, and quantum computing. Satellite imaging and AI-powered platforms will enhance agriculture through real-time data on crop health, pest control, and market trends.

Andhra Pradesh aims to become the "Drone Capital of India," leveraging drone technology for various applications, from agriculture to logistics. AI and other advanced technologies will drive improved resource allocation and decision-making, such as in tourism flows and citizen-centric services. By building a digital stack, providing credit and technical support for MSMEs, the state will foster entrepreneurship. By adopting real-time governance models, the state aims to monitor vision goals across departments, achieving a seamless integration of deep tech in all walks of life.

Survey Questionnaire: Deep Tech - All Walks of Life

Section 1: General Information

1. Age Group
 - a) 18-25
 - b) 26-35
 - c) 36-50
 - d) 51 and above
2. Occupation
 - a) Student
 - b) IT Professional
 - c) Entrepreneur

- d) Government Employee
- e) Researcher/Scientist
- f) Other (please specify)

Section 2: Awareness & Perception of Deep Tech

3. How familiar are you with the following deep-tech domains? (Rate on a scale of 1-5: 1 = Not at all familiar, 5 = Very familiar)
 - a) Artificial Intelligence (AI) []
 - b) Cloud Services & Data Centers []
 - c) Cyber Security []
 - d) Drone Technology []
 - e) Biotechnology []
 - f) Quantum Computing []
 - g) Data Science []
 - h) Data Analytics []
4. How do you perceive Andhra Pradesh’s potential as a global deep-tech hub by 2047?
 - a) Very Promising
 - b) Somewhat Promising
 - c) Neutral
 - d) Somewhat Unlikely
 - e) Not Likely at All

Section 3: Deep-Tech Across Key Sectors

A. Healthcare & Biotechnology

5. How would you rate the current role of technology in Andhra Pradesh’s healthcare system? (1 = Very Poor, 5 = Excellent) []
6. Which deep-tech innovations do you think will have the greatest impact on healthcare? (Select up to two)
 - a) AI-powered diagnostics & real-time monitoring
 - b) Digital health records & telemedicine
 - c) Wearable health devices & remote patient care
 - d) Other (please specify)
7. Do you think Technology-driven healthcare can reduce the cost of medical services?
 - a) Yes
 - b) No
 - c) Maybe

B. Agriculture & Rural Development

8. How much technology is currently used in the agricultural sector in your area?
 - a) Very High
 - b) High
 - c) Moderate
 - d) Low
 - e) Unaware
9. What are the biggest challenges for adopting deep-tech in agriculture? (Select up to two)
 - a) Lack of farmer awareness & training
 - b) High cost of technology adoption
 - c) Inadequate digital infrastructure in rural areas
 - d) Data privacy concerns with AI-based monitoring
 - e) Lack of sufficient water supply
 - f) Other (please specify)
10. How useful do you think AI-powered platforms will be for improving crop yield, pest control, and market predictions?
 - a) Extremely Useful
 - b) Somewhat Useful
 - c) Neutral
 - d) Not Very Useful
 - e) Not Useful at All
11. Do you think technology will help during natural calamities?
 - a) Yes
 - b) No
 - c) To some extent

C. AI & Smart Governance

12. Do you think AI-driven decision-making will make government services more efficient?
 - a) Strongly Agree
 - b) Agree
 - c) Neutral
 - d) Disagree
 - e) Strongly Disagree
13. Which areas of governance should Andhra Pradesh prioritize for AI-driven transformation? (Select up to two)
 - a) Smart traffic & urban planning
 - b) Public safety & crime prevention

- c) Real-time monitoring of Government projects
- d) Disaster prediction & Management
- e) Law enforcement / Law & Order implementation
- f) Other (please specify)

14. Are you aware of the smart-Governance initiative through WhatsApp?

- a) Yes
- b) No
- c) More awareness programmes to be conducted on WhatsApp governance

D. Drone Technology & Future Applications

15. Are you aware of Andhra Pradesh's goal to become the "Drone Capital of India"?

- a) Yes
- b) No

16. In which sectors do you think drones can be most useful? (Select up to two)

- a) Agriculture (Crop monitoring, pesticide spraying)
- b) Logistics (Fast deliveries, emergency supplies)
- c) Disaster Management (Rescue & relief operations)
- d) Security & Law Enforcement
- e) Event Management
- f) Air taxi for civilian transportation
- g) Other (please specify)

E. MSMEs, Entrepreneurship & Economic Growth

17. Do you think Andhra Pradesh provides sufficient support for tech-based startups and MSMEs? (1 = Strongly Disagree, 5 = Strongly Agree)

- a) Strongly Agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly Disagree

18. What would encourage more startups in deep-tech sectors? (Select up to two)

- a) More funding & venture capital support
- b) Government incentives & tax benefits
- c) Access to high-tech research infrastructure
- d) Training & mentorship programs
- e) Other (please specify)

Section 4: Challenges & Future Prospects

19. What are the biggest barriers to making Andhra Pradesh a deep-tech hub?
(Select up to two)
- a) Lack of awareness & digital literacy
 - b) High costs & investment requirements
 - c) Cybersecurity & data privacy risks
 - d) Limited research & development funding
 - e) Other (please specify)
20. What should the government prioritize for deep-tech growth? (Rank in order of importance: 1 = Highest priority, 5 = Lowest priority)
- a) AI & Allied areas research
 - b) Funding & credit support for tech-based startups
 - c) Infrastructure (Data centers, tech hubs, etc.)
 - d) Cybersecurity & data protection regulations
 - e) Tech based Skill development & digital literacy
21. Do you believe that Andhra Pradesh will achieve 100% digital transformation of government services by 2047?
- a) Yes
 - b) No
 - c) Maybe
22. How confident are you that Andhra Pradesh can become a global AI and deep-tech leader?
- a) Very Confident
 - b) Somewhat Confident
 - c) Neutral
 - d) Not Very Confident
 - e) Not Confident at All
23. What sectors should receive the highest investment for deep-tech R&D?
(Select up to two)
- a) Healthcare & Biotechnology
 - b) Agriculture & Food Tech
 - c) Smart Governance & Cybersecurity
 - d) Security and Law enforcement
 - e) Space & Satellite Technology
 - f) Other (please specify)
24. Do you think real-time governance and AI-driven decision-making will reduce bureaucratic inefficiencies?
- a) Strongly Agree
 - b) Agree
 - c) Neutral

- d) Disagree
- e) Strongly Disagree

25. Are you interested in upskilling or reskilling in any deep-tech area?

- a) Yes (If yes, which area?)
 - b) No
 - c) Maybe
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