

PMO MOBILE APP CONTEST – Individual entry

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PHASE I (Idea Phase) - IDEAS ON FEATURES of the PMO Mobile App

Vision : Stronger Nation through transformation of **HUMANGRID** into **KNOWLEDGEGRID**

Objective : To provide a mobile enabled guided interactive Platform for knowledge exchange to progressively build up a comprehensive knowledge bank and in turn facilitate empowerment through the vehicle of collected wisdom.

TEAM approach for App : Technical, Educational, Administrative, Managerial approach with smartness built-in from planning stage.

INPUT-PROCESS-OUTPUT Framework of Mobile App:

INPUT : User Profile
Static Content(Text, Audio,Video)-Govt as knowledge service provider,
Interactive Dynamic Content(Text, Audio, Video) through User participation
On-line Grievance-FIR, Security threat, Corruption
Whistle Blower information for malpractices
User Query

PROCESS : User management
Content management
Query Management,
Response Management
Security management
Grievance management
Payment facilitation
Voting
Quiz & Contest
Search
Analytics & System audit
Text mining.

OUTPUT : General Guidelines for citizens
Domain Specific Guidelines
Do's & Don'ts
A-Z format Library of subjects/terms
Appeals
Pro-active alerts(Generic/Periodic and Area, Context, Domain, Time specific)
Response to Query
Grievance Redressal Guidance
On-line Interactivity(Audio/Video)-Teleconferencing
Dashboard, maps, Infographics

Inspirational Advices

Presentation : India Map – With Hot Button on State Within Boundaries

1) General Functional Features:

The App should reach out to wide spectrum of user in home and abroad who would play dual role of both contributor and consumer of knowledge and hence should be **Multilingual and Disabled friendly**.

Since capturable INPUTS as well as deliverable OUTPUTS of the App will progressively grow with wider participation in course of time, the content will grow fast in volume and variety. This need to be supported with scalable supporting Infrastructure and facilities at the back end. This calls for facilitating the inputs in a guided manner at source for a structurally organized content which would render the process of collating and further decision making systematic and convenient for analytics.

2) Capturing Domain specific Inputs :

It is suggested that following features may be incorporated:

1. Main MENU with detailed list of AREAS/SECTORS as listed below:

SECTORS:

1)Agriculture and Rural Development, 2)Banking & Finance, 3)Construction, 4)Education, 5)Energy, 6)Environment, 7)Geology & Mining, 8)Governance & Administration, 9)Health & Demography, 10)Information Technology, 11)Insurance 12)Law & Regulation, 13)Life Sciences, 14)Management, 15)Manufacturing 16)Science & Technology, 17)Security, 18)Telecommunications, 19)Tourism, 20)Trade & Business 21)Transport, 22)Urban Development, 23)Water Management

2. On selection of an Item of MAIN MENU respective SUB MENU for each Item of MAIN MENU as described below:

SUB SECTORS

AGRICULTURE AND RURAL DEVELOPMENT SECTOR

S.NO.	Field Of Suggestion
1.	Agriculture Development Strategy
2	Agro Industry Development
3	Credit and institution
4	Crop protection and insurance
5.	Handicraft and cottage industries
6	Livestock Management
7	Pest/Diseases/weed control
8	Rural infrastructure
9	Rural markets, storage and preservation

10	Slaughter houses
11	Survey and evolution
12	Watershed management
13	Wildlife
14	Unspecified fields (specify)

BANKING AND FINANCE SECTOR

S.NO.	Field of Suggestion
1	Banking
2	Financial service
3	Financing of infrastructural projects
4	Financing of international trades
5	Foreign exchange markets
6	International financing
7	Long term financing
8	Mutual fund and unit trusts
9	Non-banking financial services
10	Stock and securities markets
11	Venture capital
12	Unspecified field(specify)

CONSTRUCTION SECTOR

S.NO.	Field of Suggestion
1	Dams and embankments
2	Godown and warehouses
3	Housing
4	Industrial buildings
5	Infrastructure facilities
6	Public building
7	public utilities and facilities
8	Roads and bridges
9	Unspecified field(specify)

EDUCATION SECTOR

S.NO.	Field of Suggestion
1	Education policy and administration
2	Educational institutions
3	Executive development programme
4	Primary and secondary education
5	Professional educational
6	Technical educational
7	Training and development
8	University education
9	Vocational education
10	Unspecified field(specify)

ENERGY SECTOR

S.NO.	Field of Suggestion
1	Bio-mass sector
2	D.G.sets
3	Energy conservation
4	Exploration of energy source
5	Geothermal power
6	Hydro power
7	Non-conventional power
8	Nuclear power
9	Solar power
10	Thermal power (gas)
11	Thermal power (liquid fuel)
12	Thermal power (solid fuel)
13	Transmission of power
14	Distribution of power
15	Wind power
16	Unspecified field(specify)

ENVIORNMENT SECTOR

S.NO.	Field of Suggestion
1	Air pollution
2	Coastal zone management
3	Ecology
4	Environmental standards
5	Forest related environment
6	Hazardous materials
7	Historic monuments
8	Industrial pollution
9	Marine biology

10	Occupational safety and health
11	Protection of wildlife
12	Sound pollution
13	Soil pollution
14	Topography and geology
15	Waste management
16	Water pollution
17	Unspecified field(specify)

GOVERNANCE AND ADMINISTRATION

S.NO.	Field of Suggestion
1	Bilateral institution and agreements
2	Constitutional law and practice
3	Defense services
4	Disaster management
5	Economy policy
6	Fiscal management
7	General administration
8	International and diplomatic relation
9	Law and order
10	Legislative institutions
11	Public health planning and management
12	Social security
13	Unspecified field(specify)

GEOLOGY AND MINING SECTOR

S.NO.	Field of Suggestion
1	Exploration
2	Ferrous mincrals
3	Fuels
4	Natural gas and oil
5	Mineral beneficiation
6	Mining and extraction

7	Natural gas and oil
8	Non-ferrous minerals
9	Non-metallic minerals
10	Open cast mining
11	Under-ground mining
12	Unspecified field(specify)

HEALTH AND DEMOGRAPHY

S.NO.	Field of Suggestion
1	Census and demographic research and analysis
2	Family planning and control
3	Health service research and information system
4	Healthcare infrastructure
5	Hospital management
6	Immunization programme
7	Maternal and child health
8	Monitoring evolution research
9	National planning and policy development
10	Non-communicable disease control
11	Occupational health
12	Primary healthcare
13	Social insurance
14	Tropical diseases and vector control
15	Women's development programmes
16	Unspecified field(specify)

INSURANCE SECTOR

S.NO.	Field of Suggestion
1	Accident insurance
2	Aviation insurance
3	Building and infrastructure insurance
4	Credit insurance
5	Fire insurance
6	Hall insurance
7	Life insurance

8	Loss of profit insurance
9	Marine insurance
10	Medical insurance
11	Motor insurance
12	National calamity insurance
13	Unspecified field(specify)

INFORMATION TECHNOLOGY

S.NO.	Field of Suggestion
1	Data interchange standards
2	Data processing and conversion
3	e-learning
4	Embedded system
5	Hardware engineer tool and management
6	Internet and web-based application
7	It enabled services
8	Networking
9	Open system standards
10	Software and package development
11	Software engineering tools & management
12	System integration
13	Unspecified field(specify)

LAW AND REGULATION SECTOR

S.NO.	Field of Suggestion
1	Arbitration
2	Industrial relation
3	Intellectual property rights
4	International legal system
5	Judicial institutions and administration
6	Legal enforcement
7	Regulatory institutions and framework
8	Unspecified field(specify)

LIFE SCIENCES

S.NO.	Field of Suggestion
1	Basic research
2	Bio-informatics
3	Biological control systems
4	Contraceptives and drugs
5	Genetics
6	Livestock breeding and productivity
7	Microbiology and bio-technology
8	Unspecified field(specify)

MANUFACTURING SECTOR

S.NO.	Field of Suggestion
1	Alcoholic drinks
2	Automobiles and ancillaries
3	Chemical and petrochemicals
4	Computer and IT products
5	Construction equipments
6	Consumer durable products
7	Consumer electronics
8	Consumer non-durable products
9	Drugs and pharmaceuticals
10	Edible oil
11	Electrical equipments and apparatus
12	Engineering industries
13	Ferrous metals
14	Instrumentation and controls
15	Leather products
16	Manmade and synthetic fibers
17	Medical equipments
18	Non-ferrous metal
19	Non-metallic minerals based products
20	Paints and dyes
21	Paper and wood-based products
22	Petroleum products
23	Personal care products
24	Polymers and plastics
25	Processed and semi-processed foods
26	Rubber products
27	Soap and detergents
28	Soft drink and beverages
29	Sugar and sweetener
30	Telecom equipments
31	Textiles yarn and garments
32	Transport equipments
33	Unspecified field(specify)

MANAGEMENT

S.NO.	Field of Suggestion
1	Accounting
2	Financial and credit management
3	Human resource management
4	Industrial relation management
5	Logistics management
6	Maintenance management
7	Marketing management

8	Organization structure
9	Production planning and management
10	Purchase and material management
11	R&D management
12	Strategic management
13	Unspecified field(specify)

SCIENCE AND TECHNOLOGY

S.NO.	Field of Suggestion
1	Basic research
2	Chemical technology
3	Information technology
4	Metallurgical technology
5	Nuclear technology
6	Intellectual property and patenting
7	Research and development
8	Scientific application
9	Standardization
10	Technology development
11	Technology development institution
12	Technology transfer
13	Testing and laboratories
14	Unspecified field(specify)

Security

S.NO.	Field of Suggestion
1	Physical Security
2	Information Security
3	Unspecified(Specify)

TRADE AND BUSINESS SECTOR

S.NO.	Field of Suggestion
1.	common markets
2	e-commerce
3	Exports of goods

4	Exports of services
5	Financing and credit management
6	Foreign investment
7	Franchising
8	Import of goods
9	Import of services
10	International trade services
11	Marketing of goods and services
12	Overseas investment
13	Trade promotion
14	Unspecified field (specify)

TELECOMMUNICATIONS

S.NO.	Field of Suggestion
1	Data transmission systems
2	networking
3	Telecom cables and optic fibers
4	Satellite communication systems
5	Switching system
6	Transmission systems
7	Unspecified field(specify)

TOURISM SECTOR

S.NO.	Field of Suggestion
1	Archeology and museums
2	Entertainment parks
3	Food and beverage management
4	Heritage preservation and management
5	Hotels.inn and resorts
6	Infrastructure tourism
7	Range and wildlife management
8	Unspecified field(specify)

TRANSPORT SECTOR

S.NO.	Field of Suggestion
1	Air ports
2	Air transportation
3	Bridges
4	Bulk handling

5	Inland waterways
6	Multi-modal transport
7	Offshore facility
8	Ports
9	Railways
10	Roads and highways
11	Shipping
12	Unspecified field(specify)

URBAN DEVELOPMENT

S.NO.	<u>Field of Suggestion</u>
1	Building standards and regulations
2	Construction methods and materials
3	Municipal engineering
4	Public transport operations
5	Slum upgrading programs
6	Small-scale enterprise financing
7	Sustainable development
8	Town planning
9	Urban development models
10	Urban policies
11	Urban transport management
12	Unspecified field(specify)

WATER MANAGEMENT

S.NO.	<u>Field of Suggestion</u>
1	Dams and reservoirs
2	Desalination
3	Pipelines
4	Pumping stations
5	Sanitation management
6	Sewage collection treatment and recycling
7	Solid waste
8	Storm drainage
9	Water distribution
10	Water pollution control
11	Water recycling and re-use
12	Water resource assessment and development
13	Water storage and treatment
14	Water supply and distribution
15	Unspecified field(specify)

3. Provision for uploading supporting document, for developing repository and analysis

4) Menu Structure for providing inputs under different fields:

The most common and general framework for capturing such knowledge has been conceived as:

- 1) Context
- 2) Field of knowledge
- 3) Area of applicability
- 4) Statement of problem
- 5) Diagnosis-cause of problem
- 6) Sources referred for finding solution
- 7) Statement of Solution
- 8) Details of practical implementation of solution
- 9) Benefit of solution
- 10) Impact across other field/areas

3) The sub menus under the above menu items may be following:

Context	:	Individual/Personal, family, neighborhood, society, Country, continental, global.
Field	:	Education, technology, industry, business, administration, Politics, art, culture, sports, music, Ethics & Values
Area of Applicability	:	Physical, mental, psychological, intelligent, emotional Religious, Spiritual and beyond.
Level	:	Thought, Word and action
Domain	:	Ethical, Moral, Socio-economic, socio-cultural, techno-

Managerial, socio-administrative, techno-administrative.

Span of Coverage : Individual, Family, Peers, Organisation, Community,
Society, Local, Territorial, State, Country, Continent, Humaity