1. National Mission on Interdisciplinary Cyber Physical Systems (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
350	**a. Technology Development**					
	1. Promotion of R&D in Cyber-Physical systems and related areas	1.1 No. of technology development programs supported in the current year	1,058	1. Advanced Technology Development	1.1 No of Technologies developed	85
					1.2 No. of Technology Products developed	75
					1.3 No. of Publications reported	416
					1.4 % Increase in CPS Research Base	455
					1.5 No. of patents filed/granted	27
	b. Innovation, Entrepreneurship and Start-up ecosystem					
	1. Promotion of Entrepreneurship	1.1 No. of Technology Business Incubator (TBI)	2	1. To nurture technology and entrepreneurships	1.1 No. of start-up created	172
		1.2 No. of Young and Aspiring technology entrepreneurs under PRAYAS	12		1.2 No. of job created	24,190
		1.3 No. of entrepreneur supported under CPS-Entrepreneur in Residence (CPS-EIR)	118			
		1.4 No. of entrepreneur supported under Dedicated Innovation Accelerator (DIAL)	6			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23				OUTCOMES 2022-23			
2022-23	Output		Indicators	Targets 2022-23	Outcome		Indicators	Targets 2022-23
		1.5	No. of entrepreneur supported under CPS-Seed Support System (CPS- SSS)	6				
		1.6	No. of Grand Challenges and competitions organized	16				
	c.	**Human Resource Development**						
	1. Human Resource Development	1.1	No. of scholars supported under Graduate fellowship	1,352	1. To nurture next generation Human Resource		1.1 No. of UG Students trained	1,352
		1.2	No. of scholars supported under Post Graduate Fellowships	395			1.2 No. of PG Students trained	395
		1.3	No. of scholars supported under Doctoral Fellowships	272			1.3 No. of Ph.Ds produced	272
		1.4	No. of scholars supported under Faculty Fellowships	52			1.4 No. of Faculty developed	52
		1.5	No. of scholars supported under Chair Professors	45			1.5 No. of Chair Professors	45
	d.	**International Collaborations**						
	1. International Collaborations	1.1	No. of International collaborations supported in R&D	28	1. International Collaborations		1.1 No. of R&D projects completed under International collaboration	28

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Department of Science and Technology

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1. **S&T institutional and Human Capacity Building (CS)**

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
1,128	**a. Inspire-MANAK**					
	1. To foster a culture of innovation and creative thinking amongst school students.	1.1 No. of workshops organized for creating awareness	30	1. To promote solutions for addressing the societal needs.	1.1 No. of Innovative products/services produced	60
		1.2 No. of Innovative Ideas Selected for INSPIRE MANAK Awards	1,00,000		1.2 No. of Patents granted	5
		1.3 No. of Innovative Ideas taken up for further product/ process development after National Level Exhibition and Project Competition	60			
	b. Promotion of University Research and Scientific Excellence (PURSE)					
	1. Strengthening of R&D infrastructure in Universities	1.1 No. of universities supported in the current year	18	1. Improvement in teaching and research quality	1.1 No. of research publication	300
		1.2 No. of equipment/ computational/ infrastructural facilities provided in current year	270		1.2 No. of researchers using the facilities provided	5,000
		1.3 No. of trainings/workshops organized	72			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		1.4 No. of manpower trained (UG/PG/PhD/Faculty) in/by supported institutions in current year	180			
	c. Fund for Improvement of S & T infrastructures in Universities and Higher Educational Institutions (FIST)					
	1. Strengthening of R&D infrastructure in colleges, teaching and academic research institutions	1.1 No. of Departments/PG colleges supported in the current year	400	1. Improvement in teaching and research quality	1.1 No. of research publication	5,000
		1.2 No. of state of art research facilities strengthened in the current year	800		1.2 No. of researchers using the facilities provided	3,000
		1.3 No. of faculty trained	2,000		1.3 No. of patents granted	1
		1.4 No. of patents filed	2		1.4 No. of PHDs produced	500
	d. Sophisticated Analytical Instrument Facilities (SAIF)					
	1. Strengthening of R&D infrastructure in the country	1.1 No. of scientists/ researchers/ Students supported with the facilities of sophisticated analytical instruments	30,000	1. Improvement in the quality of analytical tools.	1.1 No. of research publications	2,200
					1.2 No. of patents granted	2
		1.2 No. of training organized on the use of analytical tools	65		1.3 No of users to whom analytical services were provided	90,000
		1.3 No. of facilities of sophisticated analytical instruments supported in the various centres	18		1.4 Earnings from the use of the facilities. (in crores)	10
	e. Sophisticated Analytical and Technical Help Institutes (SATHI)					
	1. Strengthening of R&D	1.1 No. of users both from host institute and external sources	200	1. Improvement in the quality	1.1 No. of users of the developed techniques	12

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23				OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**		**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	infrastructure in the country	1.2	No. of manpower trained	75	of analytical tools.	1.2 No. of research publications	30
		1.3	No. of industries, MSMEs, startups supported users in the current year	75		1.3 No. of new technologies developed	2
		1.4	No. of samples analysed	600		1.4 Earnings from the use of the facilities (in lakhs)	70
		1.5	No. of new SATHI	2			
		1.6	No. of SAIF upgraded to SATHI	1			
		1.7	No. of ongoing SATHI	5			
	f. Centre for Human and Organizational Resource Development (CHORD)						
	1. Strengthening the research ecosystem	1.1	No. of new and on-going research projects supported in the current year	32	1. Innovative and impactful research	1.1 No. of research publications	10
	g. INSPIRE Fellowship						
	1. Promote students towards doing doctoral degree in in all the areas of S&T, Medicine, Agriculture, Pharmacy and Veterinary sciences	1.1	No. of applications received for scholarship	2,000	1. Encourage meritorious students to pursue Ph.D. Program.	1.1. No. of students joining the doctoral program after availing the scholarship under the program	250
		1.2	No. of ongoing INSPIRE scholarship supported	3,000			
		1.3	No. of fresh INSPIRE scholarship supported	1,000			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	h. INSPIRE Internship					
	1. To improve the interaction of students with the science eminent.	1.1 No. of students benefitted under the program	30,000	1. Improvement in the rate of students pursuing its career in Science and Research.	1.1. No. of students intended to pursue career in STEM	12,000
		1.2 No. of Internship Science Camps approved	150			
		1.3 No. of awards distributed under the "Grand Challenge Theme"	150			
	i. INSPIRE Faculty					
	1. Enabling ecosystem for research in the country	1.1 No. of application received for INSPIRE Faculty	2,000			
		1.2 No. of ongoing INSPIRE Faculty supported	450			
		1.3 No. of fresh INSPIRE Faculty supported	100			
	j. Scholarship for Higher Education (SHE)					
	1. Promote youth to under higher education in science intensive program	1.1 No. of applications received for scholarship	20,000	1. SHE scholars joining the M. Sc./ doctoral programs	1.1 No. of SHE Scholars joining in a year, master's degree programme in natural and applied sciences under INSPIRE Programme	8,000
		1.2 No. of ongoing SHE scholarship supported	25,000			
		1.3 No. of fresh SHE scholarship supported	12,000			
		1.4 No. of scholars supported for Bachelors education in natural and basic science course	22,000		1.2 No. of SHE Scholars joining in a year, Ph.D. programme in natural and	250

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23				OUTCOMES 2022-23		
2022-23	**Output**		**Indicator**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		1.5	No. of scholars supported for Master education in natural and basic science courses	8,000		applied sciences under INSPIRE Programme	
	k. State Science and Technology Programme (SSTP)						
	1. To strengthen science and technology council.	1.1	No. of Core Grant S&T Councils supported	30	1. Strengthening the Science, Technology and Innovation Ecosystem at State level through systemic interventions	1.1 No. of patent filed/granted	50
		1.2	Establishment/Support towards Patent Information Centres in State S&T Councils	24		1.2 No. of beneficiaries of the developed technologies	10,000
		1.3	No. of Workshops/Trainings/ Awareness programs conducted	60		1.3 No. of new technologies developed and deployed	75
		1.4	No. of projects and surveys supported in states	15		1.4 SHG formation/ Micro enterprises	10
		1.5	Establishment of Technology Demonstration and Dissemination Centres/Project Management Unit at State S&T Councils	04		1.5 No. of Papers/ Reports/Manuals generated	50
	l. Knowledge Involvement in Research Advancement through Nurturing (KIRAN)						
	1. S&T for Women	1.1	No. of new and ongoing projects supported in the current year including Women Technology Parks (WTPs)	25	1. Capacity building & empowerment of women through S&T based interventions	1.1 No. of women trained in various skills/training programmes for livelihood enhancement.	1,000
	2. Fellowship Programmes	2.1	No. of fellowship supported in the current year	400			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23				OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**		**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	3. Institutional Support	3.1	No. of institutions supported under Curie	10	2. Fellowship Programmes	2.1 No. of research publications	400
	4. Training and Capacity Building	4.1	No. of training programs in the current year	5	3. Institutional Support	3.1 No. of research publications	5
		4.2	No. of women scientist trained in the current year	100			
	m. Cognitive Science Research Initiative (CSRI)						
	1. Support cutting edge R&D projects and capacity building in Cognitive Science	1.1	No. of ongoing and new research projects supported under CSRI: Individual & Multi-centric	70	1. Promote research in various field of Cognitive Science	1.1 No. of research publication	40
		1.2	No. of post-doctoral fellowships awarded under CSRI	15	2. Human Resource Development in Cognitive Science	2.1 No. of research publication	15
		1.3	No. of conference/ seminars/ symposia/training programmes/ workshops organized under CSRI	5			
	n. Science and Technology of Yoga and Meditation (SATYAM)						
	1. Support research on the effects of yoga and meditation on physical & mental health besides on	1.1	No. of ongoing and new research projects supported under SATYAM	45	1. Promote Scientific research to see the impact of yoga and meditation on	1.1 No. of research publication	20

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
2022-23	**Output**	**Indicator**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	cognitive functioning			human wellbeing		
	o. Policy Research Cell (PRC)					
	1. To strengthen Policy mechanism	1.1 No. of academic institutions supported under this program	03	1. Improvement in the policy research	1.1 No. of study reports brought out	10
		1.2 No. of fellowships awarded under DST-STI Fellowships	25		1.2 No. of research articles published	20
		1.3 No. of workshop organized	05			
	p. Training Cell					
	1. National Programme for Training of Scientists & Technologists working in Govt. Sector	1.1 No. of Scientists/ Technologists working in the Government sector trained under the programme.	800	1. National Programme for Training of Scientists & Technologists working in Govt. Sector	1.1 No. of Scientists trained in:	800
		1.2 No. of Women Scientists/ Technologists trained under the programme.	200		1.2 No. of Women Scientists/technologists trained	200
		1.3 No. of scientists participated in the Exposure visit abroad.	50		1.3 No. of Scientists participated in exposure visi	50

2. Research and Development (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
604.03	**a. National Mission on Nano Science and Technology**					
	1. Support R&D on fundamental aspects of Nano Science, training of manpower, and industry-academia partnerships	1.1 No. of research projects supported under Nano Mission: Individual scientist-centric projects or multi institutional projects	36	1. Enhanced Research and development in Nano Science and Technology	1.1 Total No. of research publications (indexed journals) in projects completed in current year	45
		1.2 No. of research projects supported under Nano Mission: Industrial academia partnership projects	4		1.2 No. of products & technologies developed	5
		1.3 No. of research projects supported under Nano Mission: International collaboration projects	3		1.3 No. of patents granted	5
		1.4 No. of nano science units /facilities supported based on Specific Call for proposals	3			
		1.5 No. of post-doctoral fellowships awarded under Nano mission	8			
		1.6 No. of conference/seminar/symposia/ training programmes/	0			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		workshops organized under Nano Mission				
		1.7 No. of manpower trained through various activities under Nano mission	80			
		1.8 No. of patents filed	5			
	b. Climate Change Programme (CCP)					
	1. Creation of S&T capacities and generation of knowledge in the area of climate change science and adaptation through NMSHE & NMSKCC	1.1 No. of knowledge networks implemented/created for strengthening of institutions under NMSHE & NMSKCC	18	1. Creation of S&T capacities and generation of knowledge in the area of climate change science and adaptation through NMSHE & NMSKCC.	1.1 No. of publications & thematic reports (in current year)	150
		1.2 No. of centres (set-up /strengthened) under NMSHE & NMSKCC at state and research institutions levels	28			
		1.3 No. of research projects supported in the area of climate change	90		1.2 No. of manpower trained through various capacity building activities –in the climate change (in current year)	350
		1.4 No. of Capacity Building (CB) Programmes seminars/trainings/workshops organized for stakeholders in the area of climate change	9			
	c. Technology Fusion and Application Research (TFAR)					

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	1. Promoting the R&D ecosystem	1.1 No. of expert driven research projects supported under 8 themes CPSRI, DSRI, IoTRI, CSRI, IHDS, EDARI, ISARI and QuEST	14	1. Promotion and fostering R&D in emerging technologies and applications	1.1 No. of Research Papers published	40
		1.2 No. of projects (in cluster) on consortium-based Research through Cluster Based Network Programs on the 8 themes CPSRI, DSRI, IoTRI, CSRI, IHDS, EDARI, ISARI and QuEST	4		1.2 No. of new technologies/applicatio n developed for national priorities	4
		1.3 No. of patents filed	10			
	2. Enhancement of high-end researchers base, Human Resource Development (HRD) in emerging areas	2.1 No. of national/international workshops/ conference organized	4		1.3 No. of Ph.Ds. / Post-Docs produced	60
		2.2 No. of academic agencies nurtured	4			
		2.3 No. of faculty trainers trained	60			
		2.4 No. of students training program organized	8			
	d. International Science and Technology Cooperation					
	1. Fostering the ecosystem of R&D through	1.1 No. of industrial R&D projects supported in the current year	15	1. Improvement in the quality of S&T ecosystem	1.1 No. of research publication	600

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	international cooperation	1.2 No. of exchange visits in the current year	2,000		1.2 No. of patent granted	20
		1.3 No. of International workshops, S&T events, platform, thematic meetings organized in the current year	120		1.3 No. of technologies intervention developed to address the societal challenge	15
		1.4 No. of Centre of Excellence (CoE) in the current year	15			
		1.5 No. of fellowships given in the current year (inbound and outbound)	370			
		1.6 No. of international R&D projects	380			
	e. Mega Facilities for Basic Research					
	1. Strengthening the mega facilities for promoting basic research	1.1 No. of ongoing and new mega projects supported	12	1. Development of technology/ products in the basic research	1.1 No. of Prototypes developed	4
		1.2 No. of Research Infrastructures created	4		1.2 No. of Technologies developed	2
		1.3 No. of Research Facilities utilized by Researchers	4		1.3 No. of Technologies transferred to Industry	1
		1.4 No. of Researchers who utilized the Research Facilities	50		1.4 No. of in-kind items supplied to mega projects	50
		1.5 No. of Collaborative Visits undertaken	50		1.5 No. of PhDs produced	40

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		1.6 No. of Workshops, Schools, Webinars or other events organized with number of participants	8		1.6 No. of Research Publications in SCI Journals	100
		1.7 No. of Other Technical Personnel trained	50		1.7 No. of Scientific/Technical Reports etc. produced	20

3. Innovation, Technology Development and Deployment (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
812.52	**a. Water Technology Initiatives (WTI)**					
	1. Supporting the research and innovative projects in the water technology	1.1 No. of Water technology research and innovative projects supported	135	1. Development of Technology	1.1 No. of hamlets benefitted with deployment of viable technologies developed under the programme	8
		1.2 No. of virtual network centres supported	7		1.2 No. of new technology leads developed	42
		1.3 No. of projects supported on collaborative research	12		1.3 No. of research publications reported	40

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		programme on improving Water Quality / water quantity /waste water treatment			1.4 No. of Technologies Deployed & Demonstrated	14
		1.4 No. of Manpower trained	306		1.5 No. of Patent filed/Granted	3
	b. Clean Energy Research Initiative (CERI)					
	1. Enabling ecosystem for the development of new technologies based on proof-of-concepts for better commercialization and strengthening manpower and international cooperation	1.1 No. of research project supported in the current year	215	1. Development of new technologies.	1.1 No. of Publications reported	160
		1.2 No. of institutions supported in the current year	155		1.2 No. of Patents filed/Granted	18
		1.3 No. of manpower trained in the current year	450		1.3 No. of Technology Leads emerged at Lab scale	22
		1.4 No. of projects with international collaboration supported in the current year	45		1.4 No. of Research Facilities/ Test -Beds deployed	7
					1.5 No. of Field Deployment	10
	c. S&T Communication and Popularization					
	1. National Children's Science Congress	1.1 No. of children supported for nurturing scientific temperament in the current year	2,50,000	1. National Children's Science Congress	1.1 No. of child scientist projects presented	650
	2. Hands-on STEM and Innovation Demonstration & Outreach programmes	2.1 No. of exhibitions organized in the current year	100	2. Hands-on STEM and Innovation Demonstration &	2.1 No. of footfalls/ e-visitors/ e attendees	10,00,000
		2.2 No. of industrial visits performed in the current year	40		2.2 No. of students exposed to industrial visits	4,000

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		2.3 No. of Motivational Talks on S&T organized in the current year	20	Outreach programmes	2.3 No. of students benefited	2,000
	3. Training for Sci-com Folk Media/low cost teaching aids	3.1 No. of trainings conducted	40	3. Promoting science media and science communication research	3.1 No. of science communicators engaged with capacity building events in science communication & media	600
	4. Promoting science media and science communication research	4.1 No. of innovative science media initiatives undertaken workshops held	40			
		4.2 No. of Trainings in science media organized	60			
		4.3 No. of programs Capacity building in science communicators organized	30			
	5. Awards for Science Popularization and Communication	5.1 No. of Applications received -S&T communication and popularization	200	4. Awards for Science Popularization and Communication	4.1 No. of Awardees recognised	6
		5.2 No. of AWSAR workshops organized	15		4.2 No. of Science Stories Generated	124
d. Science & Society Programme (SSP)						
	1. Technology Advancement for	1.1 No. of Core Support Group (CSG) supported in the FY	30	1. Creating the ecosystem for	1.1 No. of people empowered with developed technologies	2,500

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	the Rural areas (TARA)	1.2 No. of incubators/accelerator created/supported in FY	1	promoting entrepreneurship and technology development to address the societal needs	1.2 No. of Social Enterprises/Startups and Community groups created	100
	2. Projects for Societal needs	2.1 No. of projects supported for addressing societal needs	100		1.3 No. of new technologies developed and deployed	50
		2.2 No. of NGOs supported	20		1.4 No of patents granted	10
		2.3 No. of states supported	28		1.5 No of papers Published	100
	3. Enabling environment for young scientist through Young Scientist & Technologists (SYST) scheme	3.1 No. of young scientist supported under this programme	50		1.6 No. of forward linkages created with relevant Ministries/technology transfer to field or technology transferred to companies	5
	4. Network Programme	4.1 No. of MoU/agreements signed for multi-stakeholder collaborations (Including CSR projects, State govt collaborations	2	2. Societal program with inputs of S&T for SC/ST	2.1 No. of technologies developed/modified/demonstrated	20
		4.2 No. of technologies demonstration organized learning from SEED schemes/ programmes	100		2.2 No. of beneficiaries covered	5,000
		4.3 No. of patents filled in the current year	10		2.3 No. of Household covered	1,000

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
	5. S&T Programme for Scheduled Caste (SC) and Scheduled Tribe (ST) population	5.1 No. of projects supported for development of SC and ST Communities	40		2.4 No. of awareness/training programmes conducted	100
		5.2 No. of Science, Technology & Innovation (STI) Hub for SC and/or ST	20		2.5 No. of reports/manuals/papers generated	20
		5.3 No. of SC/ST cells	8		2.6 No. of youth/women/ men trained	1,000
		5.4 No. of Common Facility Centres /Common Resources Created	10		2.7 No. of users for Common Facility Centres/ Common Resources	2,000
	e. Technology Development Program (TDP)					
	1. Fostering the ecosystem for the development of technologies.	1.1 No. of projects supported under Advanced Manufacturing Technologies (AMT)/Biomedical Device/Technology Development Program/ Device Development Program Science and Heritage Research Initiative (SHRI)/Technology Mission for Indian Railways (TMIR)/Waste Management Technologies	230	1. Technology development in the country	1.1 No. of new technologies developed	50
	f. Drugs and Pharmaceuticals Research Programme (DPRP)					

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	1. Promoting research and development in the Pharma industry.	1.1 No. of facility supported under public funded institutes and academia	5			
	g. National Spatial Data Infrastructure (NSDI)					
	1. Development and standardization of Geospatial Data and Technologies for Spatial Data Infrastructure (SDI) creation and utilization in Governance and Decision-making	1.1 No. of existing data sets and metadata from NSDI Partnering Agencies entered in National Data Registry (NDR) Data Nodes	20	1. An increased range and scope of authoritative and integrated geospatial data available for governance and decision-making to address economic, social and environmental challenges	1.1 No. of geospatial data services hosted by National and State Partnering Agencies of NSDI	10
		1.2 No. of Gram Panchayats/ Wards covered for application development	180		1.2 No. of geospatial data services registered in the discovery mechanism for search, access and utilization by the end users	180
		1.3 No. of Partnering Agencies enrolled for utilizing Virtual Machines on the NSDI Geo-Platform	12		1.3 No. of panchayats/ wards covered for improvement in decision-making using Geospatial Data and Technologies	12
		1.4 No. of Geospatial Data Assets/ Technology Applications/ Standards developed and deployed	12		1.4 No. of artefacts demonstrated	10
		1.5 No. of on-going and new R&D projects supported as per NSDI Priorities	12		1.5 No. of papers/ outputs published/ demonstrated	10
	h. S&T based Innovation and Entrepreneurship Development					

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
	1. Institutional mechanisms: NIDHI- Facilitating innovation, creating incubation centres (TBI/CoE/iTBI) and PRAYAS centres	1.1 No. of TBIs/CoE/iTBIs supported	25	1. Enabling ecosystem for promotion of entrepreneur ship	1.1 No. of innovations converted to Prototypes	200
		1.2 No. of PRAYAS centres (PCs) supported	48		1.2 No. of start-ups Seed supported and accelerated	300
		1.3 No. of EiR programs supported	35		1.3 No. of Startups graduated / No. of Startup products in market	300
	2. Seeding and acceleration program for promoting Start-Ups: Support under NIDHI- Seed support and Accelerator	2.1 No. of incubators supported with Seed support	15			
		2.2 No. of Accelerator programs supported	15			
	i. National Geospatial Programme (NGP)					
	1. Catalyzing the National Geospatial Ecosystem. Promotion for sustainable socio-economic development at all levels of Governance	1.1 No. of Programmes and Projects in Geospatial Science	10	1. Developmen t in Geospatial Science, Geospatial Technology, Geospatial Solutions for Sustainable Developmen	1.1 No. of Research Publications	10
		1.2 No. of Programmes and Projects in Geospatial Technology and Geo-Analytics	12		1.2 No. of tools and technologies developed	10
		1.3 No. of Programmes and Projects in Geospatial Solution in alignment with	8		1.3 No. of S&T based Geospatial solutions developed in aligned with	8

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23				OUTCOME 2022-23		
2022-23	**Output**	**Indicators**		**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
			Sustainable Development Goals (SDGs) and National Developmental Priority		t Goals (SDGs) and National Developmental Priority, Human Resource Development, Geospatial entrepreneurship	Sustainable Development Goals (SDGs) and National Developmental Priority	
		1.4	No. of Programmes and projects supported for Capacity Building	20			
		1.5	No. of Programmes and Projects in Geospatial entrepreneurship	2			
		1.6	No. of Programmes and Projects in Spatial Disaster Risk Reduction (SDRR)	12			
		1.7	No. of areas promoted in Geospatial Technology	4			
		1.8	No. of industry-academia collaboration	2			
		1.9	No. of Geospatial startup supported	2			
	j. Technical Research Centres (TRC)						
	1. Promotion of translational research in DST AI's and networked knowledge partner Institutions	1.1	No. of translational research projects initiated.	92	1. Translational research development and commercialization	1.1 No. of other Technical personnel trained	155
						1.2 No. of Research Publications in SCI journals	370
		1.2	No. of Academic / R&D Institution networked as knowledge partner	73		1.3 No of Technologies / Products commercialized	24
						1.4 No. of PhDs produced	61

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
2022-23	**Output**	**Indicators**	**Targets 2022-23**	**Outcome**	**Indicators**	**Targets 2022-23**
		1.3 No. of translational research projects completed	54		1.5 No. of patents granted	66
					1.6 Revenue generation from TRC facilities (in Rs. Lakhs)	625
		1.4 No. of start-ups / TBI supported	15		1.7 No. of Technologies / Products developed	34
	k. Exhibition Cell					
	1. Exhibition & Fairs: conducting various information/ technology	1.1 No. of exhibitions & fairs participated/ conducted.	10	1. Exhibition & Fairs: conducting various information/ technology	1.1 No. of footfalls/e visitors/e attendees	10,00,000