Ministry of Science & Technology

Demand No. 88

Department of Science & Technology

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

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
1,099.80	**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.	60
		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.	30	1. Improvement in teaching and research quality	1.1 No. of research publication	450
		1.2 No. of equipment/ computational/ infrastructural facilities provided in current year	450		1.2 Performance enhancement in terms of H-Index of all Universities receiving PURSE grants	30%
		1.3 No. of trainings/workshops organized	120		1.3 No. of researchers using the facilities provided	5,000
		1.4 No. of manpower trained (UG/PG/PhD/Faculty) in/by supported institutions in current year	300			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	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.	5		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 supported with the facilities of sophisticated analytical instruments.	30,000	1. Improvement in the quality of analytical tools.	1.1 No. of users of the developed techniques.	20
		1.2 No. of training organized on the use of analytical tools.	55		1.2 No. of research publications	2,000
		1.3 No. of facilities of sophisticated analytical instruments supported in the various centres.	20		1.3 No. of patents granted.	1
					1.4 No. of sample analyzed.	90,000
					1.5 Earnings from the use of the facilities. (in crores)	9
	e. Sophisticated Analytical and Technical Help Institutes (SATHI)					
	1. Strengthening of R&D infrastructure in the country.	1.1 Number of users both from host institute and external sources.	16	1. Improvement in the quality of analytical tools.	1.1 No. of users of the developed techniques.	10
		1.2 Number of manpower trained.	50		1.2 No. of research publications	10
		1.3 Number of industries, MSMEs, startups supported users in the	70		1.3 No. of new technologies developed.	1

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
		current year.				
		1.4 Number of samples analysed.	500		1.4 Earnings from the use of the facilities.(in lakhs)	50
		1.5 No. of new SATHI	3			
		1.6 No. of SAIF upgraded to SATHI	2			
		1.7 No. of ongoing SATHI	17			
		1.8 No. of patents filed.	0			
	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.	35	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.	4,000			
		1.3 No. of fresh INSPIRE scholarship supported.	1,000			
	h. INSPIRE INTERNSHIP					
	1. To improve the interaction of students with the science eminent.	1.1 No. of application received for internship under the program.	450	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	40,000
		1.2 No. of students benefitted under the program.	50,000			
		1.3 No. of Internship Science Camps approved.	250			
		1.4 Average number of students in the each camp.	200			

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
		1.5 No. of awards distributed under the "Grand Challenge Theme"	250			
	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.	700			
		1.3 No. of fresh INSPIRE FACULTY supported.	150			
	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.	5,000
		1.2 No. of ongoing SHE scholarship supported.	40,000		1.2 No. of SHE Scholars joining in a year, Ph.D. programme in natural and applied sciences under INSPIRE Programme	250
		1.3 No. of fresh SHE scholarship supported.	12,,000			
		1.4 No. of scholars supported for Bachelors education in natural and basic science courses.	2,000			
		1.5 No. of scholars supported for Master education in natural and basic science courses.	10,000			
	k. State Science and Technology Programme (SSTP)					
	1. To strengthen	1.1 No. of Core Support Group	31	1. Creating the	1.1 No. of patents	50

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	science and technology council.	(CSG) supported in the FY.		ecosystem for promoting entrepreneurship and technology development to address the societal needs.	filled/granted in the current year.	
		1.2 No. of Patent Information Centres established.	40		1.2 No of beneficiaries of the technologies developed.	10,000
		1.3 No. of Workshops/Trainings/ Awareness programs conducted.	60		1.3 No of papers published.	75
		1.4 No. of projects and surveys supported in states.	15		1.4 SHG formation/ Micro enterprises/ Human Capacity/ Creation of research facility	10,000
		1.5 Establishment of Technology Demonstration and Dissemination Centres.	26		1.5 Number 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)	30	1. S&T for Women	1.1 No. of women trained / beneficiaries	2,000
	2. Fellowship Programmes	2.1 No. of fellowship supported in the current year.	450	2. Fellowship Programmes	2.1 No. of projects completed.	250
	3. Institutional Support	3.1 No. of institutions supported under Curie	20	3. Institutional Support	3.1 No. of research publications.	300
	4. Training and Capacity Building	4.1 No. of training programs in the current year.	5	4. Training and Capacity Building	4.1 No. of women scientist trained in the current year.	125
	m. Cognitive Science Research Initiative (CSRI)					
	1. Support cutting edge R&D projects	1.1 No. of ongoing and new research projects supported	110	1. Promote research in	1.1 No. of research publication	50

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2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	and capacity building in Cognitive Science	under CSRI: Individual & Multi-centric		various field of Cognitive Science		
		1.2 No. of post-doctoral fellowships awarded under CSRI	15	2. Human Resource Development in Cognitive Science	2.1 No. of research publication	06
		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 cognitive functioning	1.1 No. of ongoing and new research projects supported under SATYAM	70	1. Promote Scientific research to see the impact of yoga and meditation on human wellbeing	1.1 No. of research publication	20
	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 research studies completed	10
		1.2 No. of fellowships awarded under DST-STI Fellowships	20		1.2 No. of studies published	20
		1.3 No. of workshop organized	06			

2. Research and Development (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
593.94	**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.	38	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	35
		1.2 No. of research projects supported under Nano Mission: Industrial academia partnership projects.	5		1.2 No. of products & technologies developed	5
		1.3 No. of research projects supported under Nano Mission: International collaboration projects.	4		1.3 No. of patents granted	5
		1.4 No. of nano science units/facilities supported	5			
		1.5 No. of post-doctoral fellowships awarded under Nano mission	10			
		1.6 No. of conference / seminar / symposia / training programmes / workshops organized under Nano Mission.	2			
		1.7 No. of manpower trained through various activities under Nano mission	10			
		1.8 No. of patents filed	5			
		1.9 No. of Centre of Excellence CoEs set-up	0			
	b. Climate Change Programme (CCP)					
	1. Creation of	1.1 No. of knowledge networks	9	1. Creation of	1.1 No. of publications &	100

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22				OUTCOMES 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**		**Outcome**	**Indicators**	**Targets 2021-22**
	S&T capacities and generation of knowledge in the area of climate change science and adaptation through NMSHE & NMSKCC.	implemented/created for strengthening of institutions under NMSHE & NMSKCC			S&T capacities and generation of knowledge in the area of climate change science and adaptation through NMSHE & NMSKCC.	thematic reports (in current year)	
		1.2 No. of centres (set-up /strengthened) under NMSHE & NMSKCC at state and research institutions levels.	15			1.2 No. of manpower trained through various capacity building activities –in the climate change (in current year).	500
		1.3 No. of research projects supported in the area of climate change	25				
		1.4 No. of Capacity Building(CB) Programmes seminars / trainings / workshops organized for stakeholders in the area of climate change	30				
	c. Technology Fusion and Application Research (TFAR)						
	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.	30
		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/application developed for national priorities.	4
		1.3 No. of patents filed	20			1.3 Number of Ph.Ds. / Post-Docs produced.	80
	2. Enhancement of high end researchers base, Human Resource	2.1 No. of national/international workshops/ conference organized.	4				
		2.2 No. of academic agencies nurtured.	8				
		2.3 No. of faculty trainers trained.	160				
		2.4 No. of students training program	12				

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
	Development (HRD) in emerging areas	organized.				
	d. International Science and Technology Cooperation					
	1. Fostering the ecosystem of R&D through international cooperation	1.1 No. of industrial R&D projects supported in the current year	370	1. Improvement in the quality of S&T ecosystem	No. of research publication	600
		1.2 No. of exchange visits in the current year.	2,000		No. of patent granted	20
		1.3 No. of International workshops, S&T events, platform, thematic meetings organized in the current year.	140		No. of technologies intervention developed to address the societal challenge.	15
		1.4 No. of Centre of Excellence (CoE) in the current year	10			
		1.5 No. of fellowships given in the current year (inbound and outbound)	270			
		1.6 No. of international industrial R&D projects	20			
	e. Mega Facilities for Basic Research					
	1. Strengthening the mega facilities for promoting basic research	1.1 Number of ongoing and new mega projects supported	12	1. Development of technology / products in the basic research	1.1 Number of Prototypes developed	3
		1.2 Number of Research Infrastructures created	3		1.2 Number of Technologies developed	3
		1.3 Number of Research Facilities established	0		1.3 Number of Technologies transferred to Industry	1
		1.4 Number of Research Facilities utilized by Researchers	3		1.4 Number of in-kind items supplied to mega projects	80
		1.5 Number of Researchers who utilized	40		1.5 Number of PhDs produced	30

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2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
		the Research Facilities				
		1.6 Number of Collaborative Visits undertaken	30		1.6 Number of Research Publications in SCI Journals	70
		1.7 Number of Workshops, Schools, Webinars or other events organized with number of participants	8		1.7 Number of Scientific/Technical Reports etc. produced	40
					1.8 Number of Other Technical Personnel trained	30

3. Innovation, Technology Development and Deployment (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
951.95	**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	109	1. Development of Technology	1.1 No. of research publications reported	92
		1.2 No. of virtual network centres supported	7		1.2 No. of Patents filed/Granted	4
		1.3 No. of projects supported on collaborative research programme on improving Water Quality / water quantity /waste water treatment	25		1.3 No. of new technology leads developed	12
		1.4 No. of Manpower trained	175		1.4 No. of hamlets benefitted with deployment of viable technologies	5

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
					developed under the programme	
					1.5 No. of Technologies Deployed & Demonstrated	5
	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.	230	1. Development of new technologies.	1.1 No. of Publications reported	130
		1.2 No. of institutions supported in the current year.	150		1.2 No. of Patents filed/Granted	15
		1.3 No. of manpower trained in the current year.	500		1.3 No. of Technology Leads emerged at Lab scale	14
		1.4 No. of projects with international collaboration supported in the current year.	65		1.4 No. of Research Facilities/ Test - Beds deployed.	7
					1.5 No. of Field Deployment	2
	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 & Outreach programmes	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
		2.3 No. of Motivational Talks on S&T organized in the	20		2.3 No. of students benefited	2,000

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
		current year.				
	3. Training for Sci-com Folk Media/low cost teaching aids	3.1 No of trainings conducted.	40		2.4 No. of manpower trained.	1,200
	4. Promoting science media and science communication research	4.1 No. of innovative science media initiatives undertaken National Teachers Science Congress & workshops held	40	3. Training for Sci-com Folk Media/low cost teaching aids	3.1 No of trained manpower in science media	1,200
		4.2 No. of Trainings in science media organized.	60	4. Promoting science media and science communication research	4.1 No of science communicators trained.	600
		4.3 No. of programs Capacity building in science communicators organized.	30	5. Awards for Science Popularization and Communication	5.1 No of Awards conferred	6
	5. Awards for Science Popularization and Communication	5.1 No. of Applications received -S&T communication and popularization	200		5.2 No. of AWSAR Awardees.	124
		5.2 No. of AWSAR workshops organized.	2,000			
	d. Science & Society Programme (SSP)					
	1. Technology Advancement for the Rural	1.1 No. of Core Support Group (CSG) supported in the FY.	30	1. Creating the ecosystem for	1.1 No of beneficiaries of the technologies developed.	2,500
		1.2 No. of incubators/accelerator	2		1.2 No. of new entrepreneur created.	200

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	areas (TARA)	created/supported in FY		promoting entrepreneurship and technology development to address the societal needs		
	2. Projects for Societal needs	2.1 No. of projects supported for addressing societal needs	115		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 Households covered	1,000
		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 technologies developed/modified/demonstrated	20
	5. S&T Programme for Scheduled Caste(SC) and Scheduled Tribe(ST)	5.1 No. of projects supported for development of SC and ST Communities	50		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 youth/women/men trained	1,000

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2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
	population	5.3 No. of SC/ST cells	10		2.6 Number of Common Facility Centres /Common Resources Created	40
					2.7 No. of reports/manuals/papers generated	20
	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)	40	1. Technology development in the country	1.1 No. of advanced technologies developed.	10
		1.2 No. of projects supported under Biomedical Device	40		1.2 No. of new biomedical devices developed.	8
		1.3 No. of projects supported under Technology Development Program.	34		1.3 No. of technologies developed under Technology Development Program.	7
		1.4 No. of project supported under Device Development Program.	40		1.4 No. of new device developed under Device development Program.	6
		1.5 No. of projects supported under Science and Heritage Research Initiative (SHRI)	34		1.5 No of reports and techniques developed under SHRI.	10
		1.6 No. of projects supported under Technology Mission for Indian Railways (TMIR)	2		1.6 No. of technologies developed under Technology Mission for Indian Railways (TMIR).	1
		1.7 No. of projects supported under Waste Management Technologies.	40		1.7 No. of technologies developed under Waste Management Technologies.	10
	f. Drugs and Pharmaceuticals Research Programme (DPRP)					
	1. Promoting research and	1.1 No. of project supported under Industry-academia	1	1. Development of Drugs	1.1 No. of new drugs developed under the program.	0

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2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	development in the Pharma industry.	collaboration.				
		1.2 No. of facility supported under public funded institutes and academia.	5		1.2 No. of products for whom clinical trials are undertaken	0
		1.3 No. of industries supported for clinical trials on neglected diseases.	0			
	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 Number 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 Number of geospatial data services hosted by National and State Partnering Agencies of NSDI	20
		1.2 Number of Gram Panchayats/ Wards covered for application development	20		1.2 Number of geospatial data services registered in the discovery mechanism for search, access and utilization by the end users	20
		1.3 Number of Partnering Agencies enrolled for utilizing Virtual Machines on the NSDI Geo-Platform	10		1.3 Number of panchayats/ wards covered for improvement in decision-making using Geospatial Data and Technologies	20
		1.4 Number of Geospatial Data Assets/ Technology Applications/ Standards developed and deployed	10		1.4 Number of artefacts demonstrated	2
		1.5 Number of on-going and new R&D projects supported as per NSDI Priorities	10		1.5 Number of papers/ outputs published/ demonstrated	5

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2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
	h. S&T based Innovation and Entrepreneurship Development					
	1. Institutional mechanisms: NIDHI-Facilitating innovation, creating incubation centres (TBI/COE) and NIDHI PRAYAS centres	1.1 No. of innovation converting into start-ups.	200	1. Enabling ecosystem for promotion of entrepreneur ship	1.1 No. of youth/women trained through entrepreneurial capacity building activities EDP/TEDP/FDP	1,200
		1.2 No. of TBIs set-up	8		1.2 No. of Startup products in market/technologies developed	350
		1.3 No. of academic institutions supported under the program	100			
		1.4 No. of prayas centre (PCs) supported.	40			
	2. Seeding and acceleration program for promoting Start-Ups: Support under NIDHI-Seed support and Accelerator	2.1 No. of start-ups provided with the early stage funding support	80			
		2.2 No. of start-ups provided with scale up support through accelerator	150			
	i. National Geospatial Programme (NGP)					
	1. Catalyzing the National Geospatial Ecosystem. Promotion for sustainable socio-economic development at	1.1 No. of Programmes and Projects in Geospatial Science	10	1. Development in Geospatial Science, Geospatial Technology, Geospatial Solutions for Sustainable	1.1 No. of Research Publications	10
		1.2 No. of Programmes and Projects in Geospatial Technology and Geo-Analytics	20		1.2 No. of tools and technologies developed.	10
		1.3 No. of Programmes and	16		1.3 No. of S&T based Geospatial	16

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2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
	all levels of Governance	Projects in Geospatial Solution in alignment with Sustainable Development Goals (SDGs) and National Developmental Priority		Development Goals (SDGs) and National Developmental Priority, Human Resource Development, Geospatial entrepreneurship,	solutions developed in aligned with 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	4			
		1.6 No. of Programmes and Projects in Spatial Disaster Risk Reduction (SDRR)	20			
		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			

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

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators	Targets 2021-22
270	**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.	545	1. Advanced Technology Development	1.1 No of Technologies developed	65
					1.2 No. of Technology Products developed	50
					1.3 No. of Publications reported	170
					1.4 % Increase in CPS Research Base.	240
					1.5 No. of patents filed/granted	20
	b. Innovation, entrepreneurship and Start-up ecosystem					
	1. Promotion of Entrepreneurship	1.1 No. of Technology Business Incubator (TBI)	22	1. To nurture technology and entrepreneurships	1.1 No. of start-up created	87
		1.2 No. of Young and Aspiring technology entrepreneurs under PRAYAS	16		1.2 No. of job created.	3,075
		1.3 No. of entrepreneur supported under CPS-Entrepreneur In Residence (CPS-EIR)	77			
		1.4 No. of entrepreneur supported under Dedicated Innovation Accelerator (DIAL)	12			
		1.5 No. of entrepreneur supported under CPS-Seed Support System (CPS- SSS).	17			
		1.6 No. of Grand Challenges and competitions organized.	8			
	c. Human Resource Development					

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOME 2021-22		
2021-22	**Output**	**Indicators**	**Targets 2021-22**	**Outcome**	**Indicators**	**Targets 2021-22**
	1. Human Resource Development	1.1 No. of scholars supported under Graduate fellowship	840	1. To nurture next generation Human Resource	1.1 No. of UG Students trained	840
		1.2 No. of scholars supported under Post Graduate Fellowships	225		1.2 No. of PG Students trained	225
		1.3 No. of scholars supported under Doctoral Fellowships	130		1.3 No. of Ph.Ds produced	130
		1.4 No. of scholars supported under Faculty Fellowships	20		1.4 No. of Faculty developed	20
		1.5 No. of scholars supported under Chair Professors	10		1.5 No. of Chair Professors	10
	d. International Collaborations					
	1. International Collaborations	1.1 No. of International collaborations supported in R&D.	20	1. International Collaborations	1.1 No. of R&D projects completed under International collaboration.	20