



PARAM Utkarsh Activity Report – Jan 2024



A. PARAM Utkarsh Usage Total: 80.06%

SN	Node	% of usage	Reserved usage	Dedicated nodes	Total
1	CPU	52.36%	22.91%	10.00%	85.27%
2	GPU	38.04%	6.83%	30.00%	74.87%
	Total		Average of both CPU and GPU =		80.06819

B. PARAM Utkarsh Total users: 509

SN	Academics	No., of Users
01	ADE	2
02	Amrita	1
03	BICPU	1
04	External EDA Tool Users	9
05	ICAR	1
06	IITB	3
07	IIITS	1
08	IIM Bangalore	1
09	IISC Bangalore	1
10	IISER Pune	2
11	IIT Delhi	1
12	IIT Hyderabad	1
13	IIT Madras	1
14	IITA	6
15	IITK	2
16	Kannur University	1
17	LRDE	1
18	Madura College	1
19	MAHE	34
20	NAL	2
21	CSIR – NBRI	1
22	NIMBMG	1
23	NIT Rourkela	1
24	NITK	20
25	Pondicherry University	1
26	VSSC	2
27	ONGC	1
SN	MSME /Startups	No., of Users
01	ARMS4AI	4
02	Avesthagen	1
03	BCD	1
04	Digite	1



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05	Flnoseq	1
06	Gleam Innovation	1
07	iTNT Hub	1
08	Laurus Bio	1
09	Lifebytes	1
10	Orthoquant	1
11	Phramadem	1
12	RedGreenBlue	1
13	Shrikant Nanomaterials	1
14	TeOra	2
15	Tridiagonal	1
16	Zeus	1
17	Nuclei Health	1
SN	Workshop users	No., of users
01	AI Hackathon	1
02	COEP Workshop	1
03	DTU Workshop	20
04	EDA Tool Workshop	9
05	FLT Workshop	5
06	Goa University Workshop	1
07	HIPC Workshop	2
08	IIT R Workshop	2
09	MAHE Workshop	55
10	Think Parallel Workshop	45
11	WC Workshop	35
12	HPC Workshop	2
13	IIT Dharward Workshop	10
14	User Workshop	45
SN	C-DAC Internal	
01	C-DAC Pune	55
02	C-DAC Bangalore	98
03	C-DAC Chennai	2
04	C-DAC Hyderabad	1

Users created	Organization	Comments
30 users created	MIT MAHE	Educational institution
saigautamg	IISC	Educational institution
mahe01- mahe50	Workshop	



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geopic	ONGC	
iitdh1 - iitdh10	Project Head: Under NSM-HRD (for Elective course on HPC at IIT Dharwad)	Duration: Till April end

Users deleted/reject	Organization	Comments
NONE		

C. Total number of Jobs: 9004

SN	Organization	No., of Jobs
01	Academics	2012
02	MSMEs	146
03	Workshop Users	452
04	C-DAC Users	6394
	Total	9004

D. PARAM Utkarsh Cluster status:

Total Number of Nodes: 42

SN	Node	Reserved
1	CPU	26
2	GPU	5
3	HM	11

Sl. No	Name	No. of Nodes	Reservation ID	Duration
1	Big Data Analytics	2 GPU	janakich	10 days
2	Param Utkarsh Training on AI/ML	2 CPU	mahe1	2 days
		2 CPU	mahe2	2 days
		1 GPU	mahe	1 day
3	NSM-AICS project	1 GPU, 1 HM	aics_res	2-10:53:30
4	Post Quantum Cryptography	1 CPU	pqc_res	1 days
5	Created by CDAC PUNE	22 CPU, 10 HM	testing	30-23:59:59



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E. **PARAM Utkarsh Revenue Generation total:** ₹ 2920332.54

Organization	Amount	comments
Internal	1887470.4	Without GST
External	972521.1	Without GST
MSME	36895.2	Without GST
Workshop	23445.84	Without GST
TOTAL	2920332.54	Without GST

Internal NSM Project*

- NSM Urban Modelling project
- A HPC software suite for seismic imaging to aid oil and gas exploration
- AI for cyber security

Workshop**

- Workshop for MIT- MAHE users
- Elective Course for HPC at IIT Dharwad for the HPC assignments