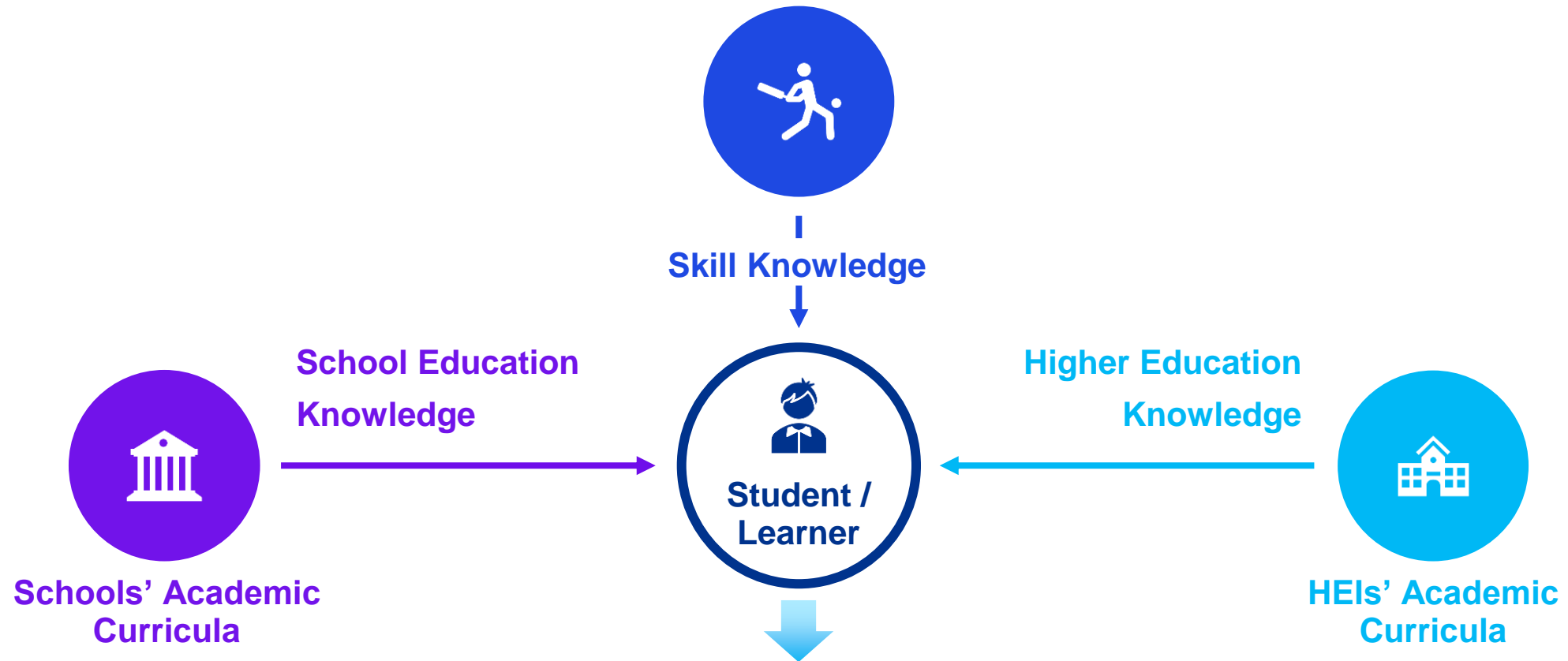**Ministry of Education**
Government of India

Credit Accumulation and Seamless Creditization using APAAR ID
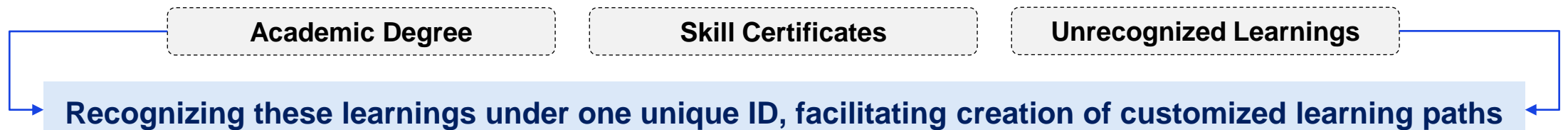
Akhil Bhartiya Shiksha Samagam

Govind Jaiswal, Joint Secretary,
Department of Higher Education, Ministry of Education

29th July 2024

Education Ecosystem – Fostering Knowledge and Growth

Skill Knowledge

School Education Knowledge

Higher Education Knowledge

Student / Learner

Schools' Academic Curricula

HEIs' Academic Curricula

Realizing the Complete Potential

Academic Degree

Skill Certificates

Unrecognized Learnings

Recognizing these learnings under one unique ID, facilitating creation of customized learning paths

Observed need for a Unique Student ID

UIDAI Strategy Overview, 2006

Suggested to **mandate that at the time of joining school (first standard) it is necessary for children to have a UID or to enrol for one**. This way the child can be tracked for progress.

Interim Report submitted by the Directors of IIT, 2010

Discussed on the **issuance of a unique identity to each student**, implemented by the Unique Identification Scheme.

Numerous such recommendations have been made over the years with limited success, but that is changing now!

This Government, under the leadership of Hon'ble Prime Minister Sh. Narendra Modi and Hon'ble Union Minister of Education Sh. Dharmendra Pradhan, took cognizance and understood the requirements for a student ID.

As a result,

Academic Bank of Credits (ABC) was launched in 2021!
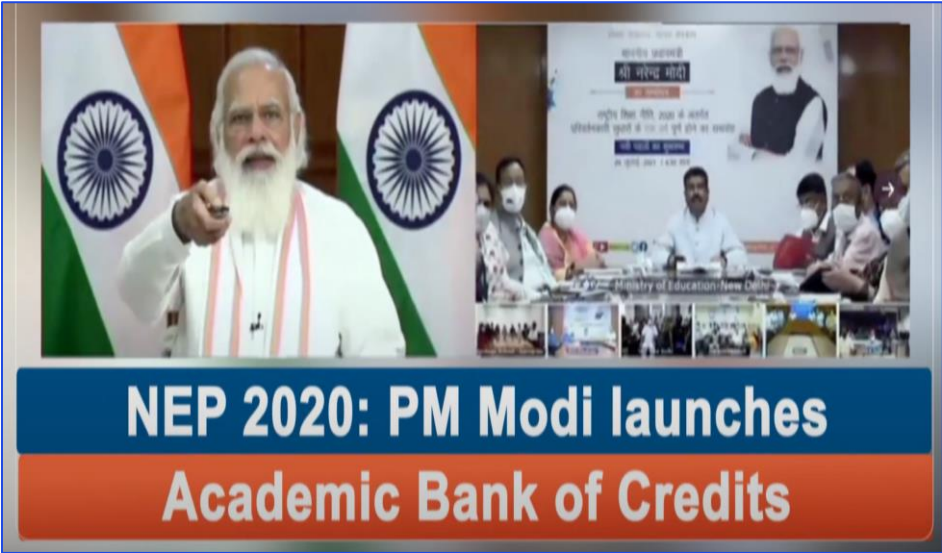
Linkage between NEP, NCrF, and ABC

NEP 2020 calls for assimilation and streamlining of skilling with academic qualifications

To realize this, NCrF aims to create a single credit system across skill, school, and higher education.

Under ABC, APAAR ID enables mobility within and between skill and academic education

NCrF Levels	Academic Level (NSEQF/ NHEQF)	Skill Level (NSQF)
Level – 0.1 to 1	• Pre School – Class V	• Level – 1 STT
Level – 1.33 to 2	• Class VI – Class VIII	• Level – 2 STT
Level – 2.5 to 3	• Class IX – Class X	• 8th + 1-2 Yr. NTC/NAC, Level – 3 STT
Level – 3.5 to 4	• Class XI – Class XII	• 10th + 1-2 Yr. NTC/NAC/CITS, Level – 4 STT
Level – 4.5 to 5.5	• UG 1st Year – UG 3rd Year	• Xth +3-5 Yr. NTC/NAC/CITS, • XIIth + 1-3 Yr. NTC/NAC/CITS, Level – 5 STT
Level – 6	• 4 Year UG with Hons/Hons. With Research/ PG 1st Year	• Level – 6 STT
Level – 6.5 to 7	• PG 2nd Year/ PG 1st Year (Eng) – 2nd Year (Eng)	• Level – 6.5 to 7 STT
Level - 8	• Ph.D	• Level – 8 STT

NCrF – Establishing Equivalence of Knowledge

The NCrF Framework aims to:

🚩 **Dilute the separation** between Academics and Skill Development.

🚩 Do away with the equivalence of degree and bring in the **equivalence of knowledge.**

🚩 Make India a **knowledge-based country and a knowledge-based economy.**

Let us understand this from an example

Student A is in a PG Course of Level 6 (as per NCrF)

Student B is also in the same PG Course of Level 6 (as per NCrF)

Academic Programs

Program 1 160 Credits

Program 3 140 Credits

Skill Programs

Program 2 20 Credits

Program 4 40 Credits

Total Level 6 Credits accumulated by Student A: 180

Equivalence of Knowledge

Total Level 6 Credits accumulated by Student B: 180

ABC – Providing an architecture to enable NCrF

- APAAR ID's aims is to **break the siloed approach of accumulating credits** from **academic curricula and skill development programs** by **incorporating them together.**

- This **incorporation** is what that will be used to **define the true potential of a student/ learner.**

Aligned with NEP 2020, APAAR ID provides:

01 **Credit Repository:** Stores and manages academic and skill achievements digitally.

02 **Streamlined Admissions:** Simplifies the admission process across institutions.

03 **Holistic Development Tracking:** Monitors student progress in multiple disciplines.

04 **Lifelong Learning:** Supports continuous learning and skill development.

05 **Interoperability:** Ensures seamless integration with educational platforms.

Process Flow of APAAR ID for Education/Skill Institutes

01 Register on ABC Portal via NAD

- All HEIs, Schools, and Skill Development Centers should **get themselves registered on NAD Portal**

- This will enable the Institution to get **registered with the ABC Portal.**

02 Create APAAR IDs for All Students

- All Institutions should **create APAAR IDs for all students/learners** in their ecosystem.

- This will **enable students to accumulate, check, verify their credit information from ABC Portal.**

- Further, **enable for multiple-entry-and-exit into the education and skilling ecosystems.**

03 Integrate ERP with NAD

- **Integrate your existing ERP solution with NAD**, enabling for data upload.

- This enables for **real-time upload of results on NAD** for **direct integration with ABC Portal.**

04 Report Credits on NAD

- **Upload all credit data** of all students (with mandatory APAAR ID) **on a real-time basis.**

- This will enable the students to **check their credits on ABC Portal and reap the benefits as per NCrF Framework.**

Report on Institutions Registered with ABC Portal

2,056

Total Institutions Registered

Out of 2,485 + SIs*

1,993**   *Out of 2,392 +SIs**

Higher Education

63   *Out of 93*

Skill Development

Total Academic Institutions Registered

Incremental Growth	821 ↑	750 ↑	343 ↑

	2021	2022	2023	2024
	142	963	1,713	2,056
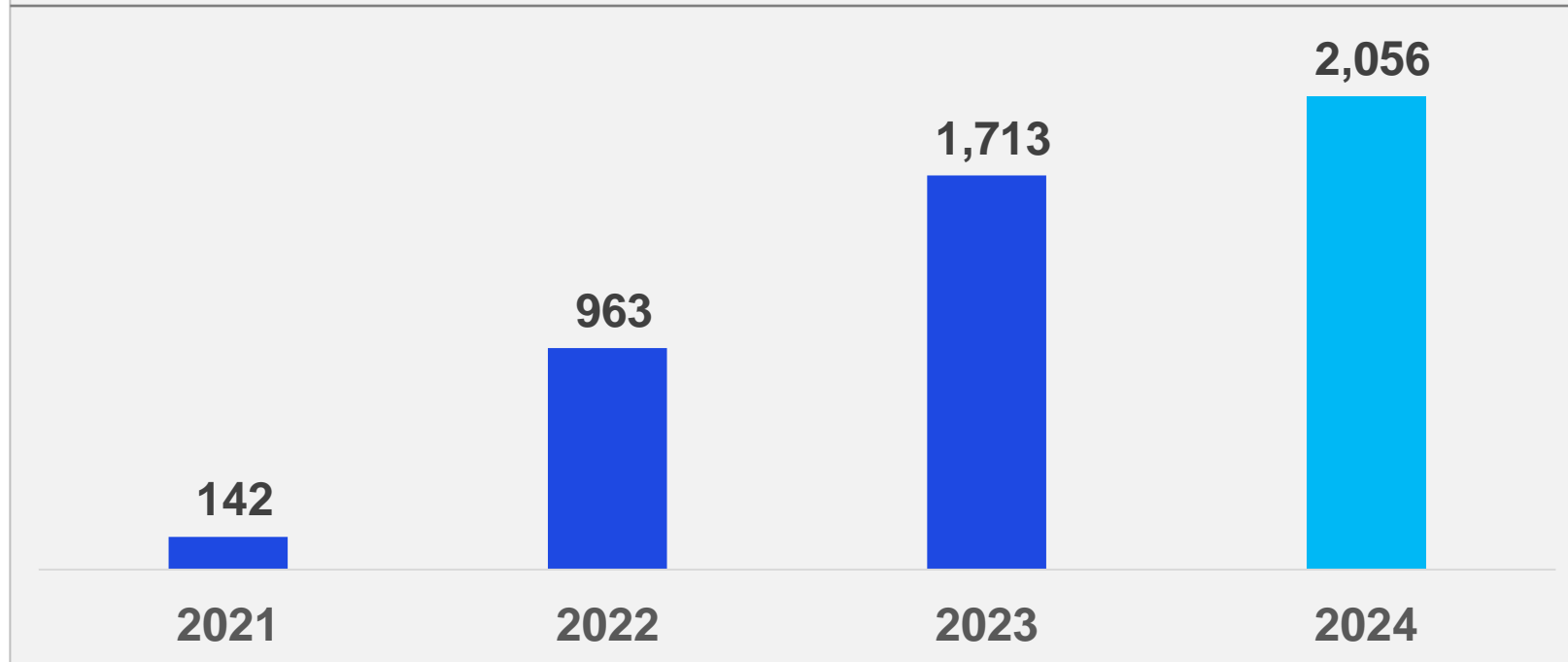
*SIs – Standalone Institutions
**Inclusive of 328 Standalone Institutions

Report on APAAR IDs Created

30.23 Cr.

Total APAAR IDs Created

3.74 Cr.

Higher Education

25.17 Cr.

School Education *(Untagged)*

1.32 Cr.

Skill Education

Total APAAR IDs Verified

Incremental Growth	25.16 L ↑	2.5 Cr. ↑	2.2 Cr. ↑

			5,02,84,421
		2,78,06,619	
3,819	25,20,325		
2021	**2022**	**2023**	**2024**
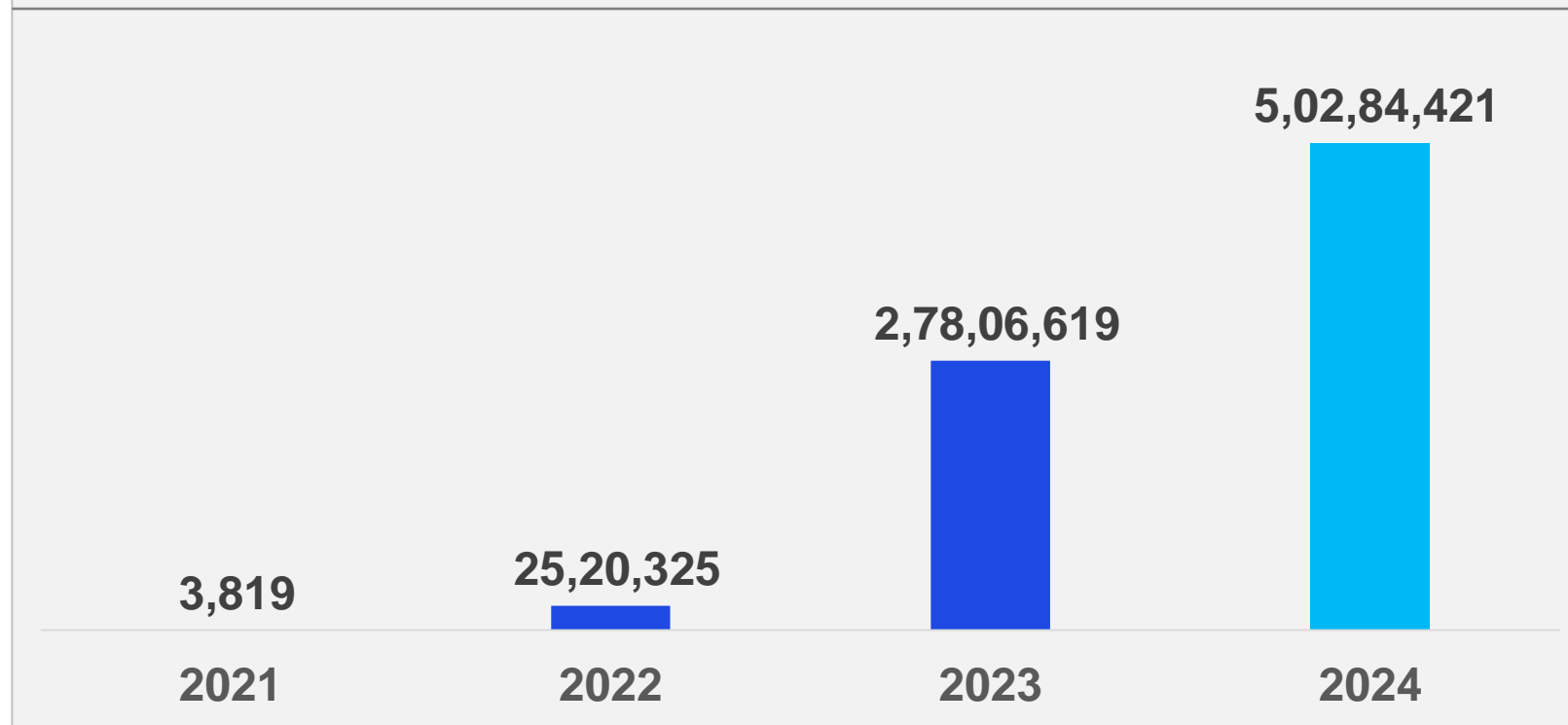
Report on APAAR IDs with Credit Data Mapped

APAAR IDs with Credit Data Mapped (Y-o-Y)

Institutions Uploaded Data for ABC			
208	476	504	199

	2021	2022	2023	2024
	3,57,688	19,61,552	27,43,311	5,52,175

State wise Status on APAAR IDs

Government's Initiatives for APAAR ID Adoption

Efforts for APAAR ID Adoption

01

Launch of SAMARTH ERP Solution

- Aims to **enable the universities and Higher Education Institutions (HEIs)** through a **digital framework.**
- **Ability to create APAAR ID for students**
- **Integrated with NAD for credit data upload**
- **4,000+ HEIs Onboarded**

02

Joining hands with CSCs

- The Ministry of Education (MoE) and Common Services Centers (CSC) have **signed an MoU for APAAR ID adoption**
- **Around 5 Lakh CSCs onboarded**.

03

Integration with Vidya Samiksha Kendras
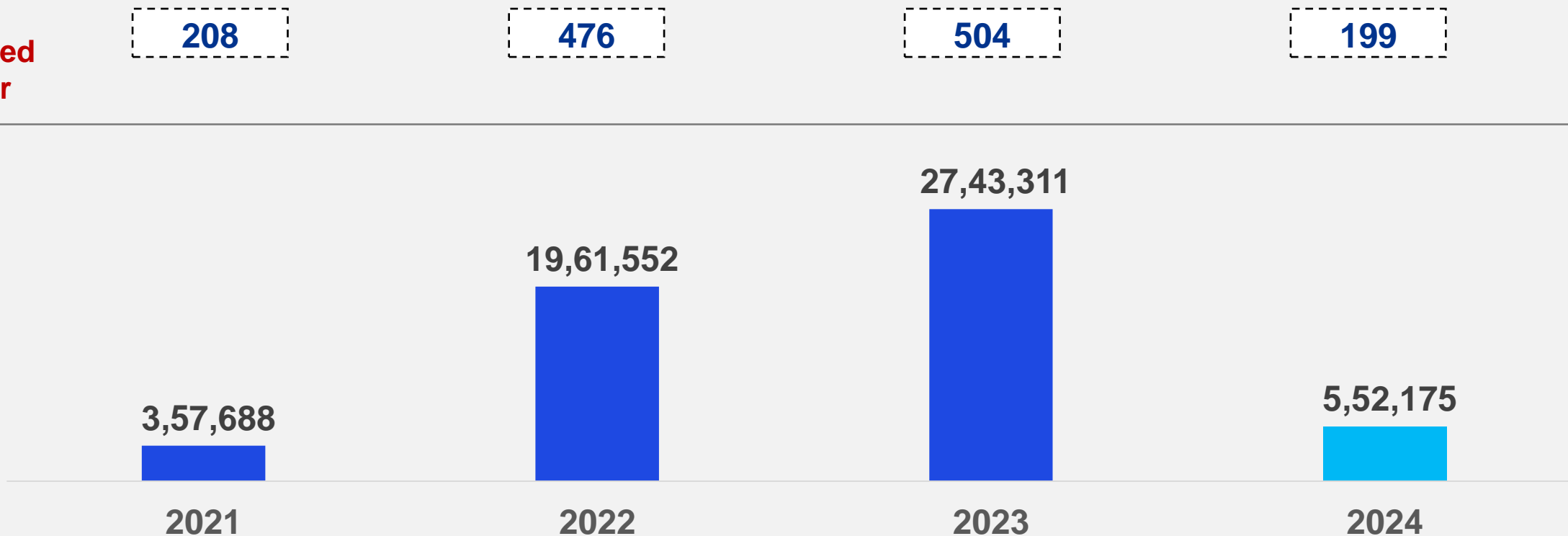
- **Integrating VSK Ecosystem** for efficient APAAR ID Usage and Verification
- Enabling for **customized and lifelong learning paths** for students.

04

Support from Digital India Corporation

- **State-wise Nodal persons have been allocated** to implement **ABC and NAD Upload.**
- **Scheduled Video Conferencing Sessions** for query resolution
- Special focus on **student query redressal through Tech Support**

State wise Status on SAMARTH Implementation

Taking the big leap

Integration of APAAR ID with various student touch points

Usage of APAAR ID in the Student Lifecycle

Student/ Learner

02. Entrance Test Preparation

1. SATHEE Platform (Ministry of Education)
2. Ed-Tech Entities
3. Other Private Players

04. Admission Process

1. Shortlisting/Counselling
2. ERP Integration (SAMARTH)
3. Professional Bodies (ICAI, ICSI etc.)

06. Scholarships

1. National Scholarship Portal
2. AICTE
3. UGC
4. Industry Partners/ State Governments

01. Interface with School

1. PM-POSHAN Scheme
2. National Means cum Merit Scholarships (NMMS)
3. Other WCD Initiatives
4. VSK/Samagra Shiksha Integration

03. Entrance Test Application

1. UG Entrance Tests (CUET, JEE Mains/Advanced, NEET)
2. PG Entrance Tests (MBA, Medical etc.)

05. Education Loan Disbursement

1. Banking Financial Institutions
2. Non-banking Financial Institutions

Usage of APAAR ID in the Student Lifecycle

08. Co-curriculars and Lifestyle

1. Ministry of Youth Affairs and Sports (NSS, NCC)
2. Ministry of Health & Family Welfare (Medical Records)
3. Transport (Mobility Cards)

10. Assessments & Exams

1. NTA
2. ICT Initiatives at Ministry of Education
3. Ed-Tech Entities
4. Skill Development

12. Placement

1. National Career Service Portal
2. Job Portals
3. Industry Partners

Reskilling and Upskilling

07. Learning

1. MoE's Digital Platforms (SWAYAM, NDLI, FOSSEE, SWAYAM Plus etc.)
2. Ed-Tech Entities

09. Internship & Apprenticeship

1. NAPS
2. NATS
3. NIP
4. Skilling Programs

11. Certification & Degree

1. Awarding Bodies
2. ICT Initiatives at Ministry of Education
3. Ed-Tech Entities
4. Skill Development

Education Ecosystem 2.0
Envisaged Future

NEP 2020 – Vision to create a Knowledge Based Country and Economy

Demand Generation for Education Ecosystem 2.0 → **Academic Ecosystem** + **Employment Ecosystem**
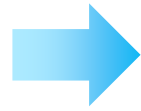
National Education Policy 2020 Vision and Role of APAAR

Student Arjuna gathered Formal Education in Archery from his teacher and mentor Guru Dronacharya

Learner Eklavya, on the other hand, was self-taught in the field of Archery and had an Informal Education.

→ **Education Ecosystem 2.0**

Enabling Equivalence of Knowledge

VIKSIT BHARAT-2047

Thank You

State Wise Status on APAAR IDs

S. No.	States/UTs	Total Awarding Bodies (as per UGC)*	Total HEIs Registered on ABC Portal	% of HEIs Registered on ABC Portal	Total HEIs Uploaded Credit Data	Total Enrolments as per AISHE (2021-22)	APAAR IDs with Credit Data Mapped_2023	% of APAAR IDs with Credit Data Mapped
1	Andaman and Nicobar Islands	1	-	-	-	11,427	-	0.0%
2	Andhra Pradesh	213	147	69.0%	41	19,29,159	90,267	4.7%
3	Arunachal Pradesh	12	12	100.0%	2	64,890	322	0.5%
4	Assam	42	40	95.2%	6	6,78,012	15,128	2.2%
5	Bihar	43	36	83.7%	7	26,22,946	5,976	0.2%
6	Chandigarh	4	2	50.0%	1	1,11,003	3	0.0%
7	Chhattisgarh	50	45	90.0%	7	6,56,341	17,717	2.7%
8	D&N Haveli and Daman & Diu	-	-	-	-	12,805	-	0.0%
9	Delhi	35	24	68.6%	10	11,45,390	1,83,142	16.0%
10	Goa	5	4	80.0%	4	65,415	5,671	8.7%
11	Gujarat	122	110	90.2%	43	17,97,662	4,39,559	24.5%
12	Haryana	59	55	93.2%	27	11,04,532	18,257	1.7%
13	Himachal Pradesh	34	28	82.4%	5	3,19,651	3,602	1.1%
14	Jammu and Kashmir	21	19	90.5%	6	4,00,423	14,793	3.7%

Excluding standalone institutions

State Wise Status on APAAR IDs

S. No.	States/UTs	Total Awarding Bodies (as per UGC)*	Total HEIs Registered on ABC Portal	% of HEIs Registered on ABC Portal	Total HEIs Uploaded Credit Data	Total Enrolments as per AISHE (2021-22)	APAAR IDs with Credit Data Mapped_2023	% of APAAR IDs with Credit Data Mapped
15	Jharkhand	45	35	77.8%	15	8,79,965	83,810	9.5%
16	Karnataka	206	117	56.8%	32	24,36,540	65,447	2.7%
17	Kerala	52	48	92.3%	15	13,04,445	11,518	0.9%
18	Ladakh	3	2	66.7%	-	4,440	-	0.0%
19	Lakshadweep	-	-	-	-	88	-	0.0%
20	Madhya Pradesh	144	108	75.0%	53	28,00,165	2,82,898	10.1%
21	Maharashtra	260	195	75.0%	57	45,77,843	3,48,773	7.6%
22	Manipur	14	12	85.7%	4	1,30,388	1,985	1.5%
23	Meghalaya	13	10	76.9%	4	96,453	2,603	2.7%
24	Mizoram	3	2	66.7%	1	46,771	64	0.1%
25	Nagaland	9	8	88.9%	2	51,223	4,066	7.9%
26	Odisha	95	70	73.7%	12	10,73,879	33,119	3.1%
27	Puducherry	9	6	66.7%	3	94,643	8,062	8.5%
28	Punjab	51	42	82.4%	24	8,58,744	38,294	4.5%

Excluding standalone institutions

State Wise Status on APAAR IDs

S. No.	States/UTs	Total Awarding Bodies (as per UGC)*	Total HEIs Registered on ABC Portal	% of HEIs Registered on ABC Portal	Total HEIs Uploaded Credit Data	Total Enrolments as per AISHE (2021-22)	APAAR IDs with Credit Data Mapped_2023	% of APAAR IDs with Credit Data Mapped
29	Rajasthan	107	94	87.9%	18	26,89,340	1,08,113	4.0%
30	Sikkim	13	8	61.5%	5	33,761	9,339	27.7%
31	Tamil Nadu	321	143	44.5%	37	33,09,327	1,74,544	5.3%
32	Telangana	141	40	28.4%	6	15,96,680	45,706	2.9%
33	Tripura	9	5	55.6%	1	1,00,551	24,434	24.3%
34	Uttar Pradesh	123	98	79.7%	24	69,73,424	6,56,626	9.4%
35	Uttarakhand	49	38	77.6%	16	5,67,704	34,656	6.1%
36	West Bengal	84	62	73.8%	16	27,22,151	14,817	0.5%
	All India	**2,392**	**1,665****	**69.6%**	**504**	**4,32,68,181**	**27,43,311**	**6.3%**

Excluding standalone institutions
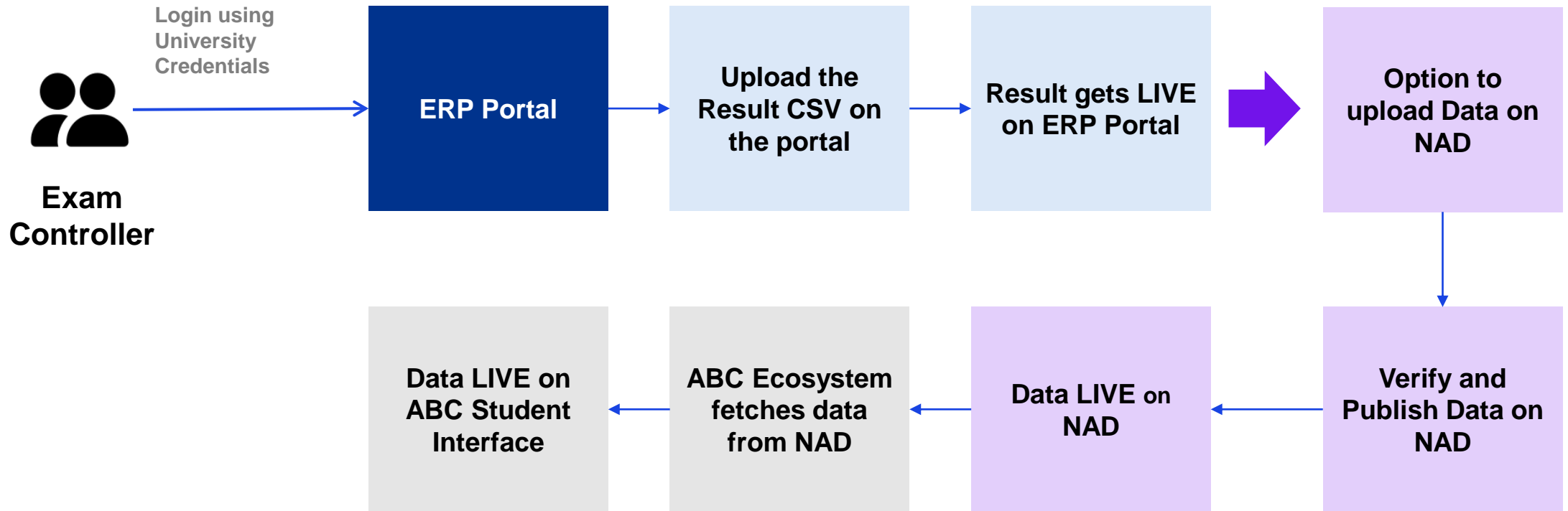**Excluding 328 Standalone Institutions (Total: 1,665+328 = 1,993)*

State Wise Status on SAMARTH Implementation

S. No.	States/UTs	Universities onboarded on SAMARTH ERP		Institute/ College onboarded on SAMARTH ERP	Total Students on SAMARTH (2023)	Total APAAR IDs Created	% of Students with APAAR id
		Central*	State				
1	Andaman and Nicobar Islands	-	-	-	-	-	0.00%
2	Andhra Pradesh	9	2	-	2,040	1,202	58.92%
3	Arunachal Pradesh	2	1	-	3,011	1,915	63.60%
4	Assam	4	17	618	4,29,948	71,703	16.68%
5	Bihar	5	4	107	3,946	3,067	77.72%
6	Chandigarh	-	-	-	-	-	0.00%
7	Chhattisgarh	2	10	1	10,671	9,916	92.92%
8	D&N Haveli and Daman & Diu	-	-	-	-	-	0.00%
9	Delhi	8	13	74	22,70,337	22,764	9.81%
10	Goa	1	1	65	187	-	-
11	Gujarat	5	18	1	3,496	873	24.97%
12	Haryana	3	7	1	15,741	6,944	44.11%
13	Himachal Pradesh	4	3	-	4,530	1,631	36.00%
14	Jammu and Kashmir	4	6	159	11,068	5,710	51.59%
15	Jharkhand	4	10	111	7,368	2,245	30.47%
16	Karnataka	1	3	5	3,555	1,958	55.08%
17	Kerala	3	4	2	3,043	2,232	73.35%
18	Ladakh	-	1	-	3,000	1,502	50.07%
19	Lakshadweep	-	-	-	-	-	0.00%
20	Madhya Pradesh	6	5	2	6,580	4937	75.03%
21	Maharashtra	3	23	1,634	21,863	18159	83.06%
22	Manipur	3	-	-	5,207	3205	61.55%
23	Meghalaya	3	-	-	5,634	-	5.84%
24	Mizoram	1	-	-	1,549	940	60.68%

State Wise Status on SAMARTH Implementation

S. No.	States/UTs	Universities onboarded on SAMARTH ERP		Institute/ College onboarded on SAMARTH ERP	Total Students on SAMARTH (2023)	Total APAAR IDs Creates	% of Students with APAAR id
		Central*	State				
25	Nagaland	2	-	-	2,123	2,040	**96.09%**
26	Odisha	2	16	1	5,015	2,437	**48.59%**
27	Puducherry	2	-	2	20,859	13,299	**63.76%**
28	Punjab	3	9	1	2,072	1,056	**50.97%**
29	Rajasthan	2	2	-	3,364	2,419	**71.91%**
30	Sikkim	2	-	-	2,297	1,738	**75.66%**
31	Tamil Nadu	5	6	-	24,648	3,039	**12.33%**
32	Telangana	2	2	-	30,130	9,796	**32.51%**
33	Tripura	2	1	25	31,907	17,130	**53.69%**
34	Uttar Pradesh	11	32	1,226	30,863	4,124	**13.36%**
35	Uttarakhand	3	7	397	95,333	42,638	**44.73%**
36	West Bengal	5	3	1	5,172	1,662	**32.13%**
All India		**112****	**206**	**4,433**	**30,66,557**	**4,62,281**	**15%**

Integration of APAAR ID with ERP Solutions

Login using University Credentials

Exam Controller

ERP Portal	→	Upload the Result CSV on the portal	→	Result gets LIVE on ERP Portal

➡ **Option to upload Data on NAD**

Data LIVE on ABC Student Interface ← **ABC Ecosystem fetches data from NAD** ← **Data LIVE on NAD** ← **Verify and Publish Data on NAD**

Integration of APAAR ID with ERP Solutions

Current Statue — Proposed State

Exam Controller

Login using University Credentials →

ERP Portal → **Upload the Result CSV on the portal** → **Result gets LIVE on ERP Portal**

↓

Data LIVE on ABC Student Interface ← **ABC Ecosystem fetches data from NAD** ← **Data LIVE on NAD**
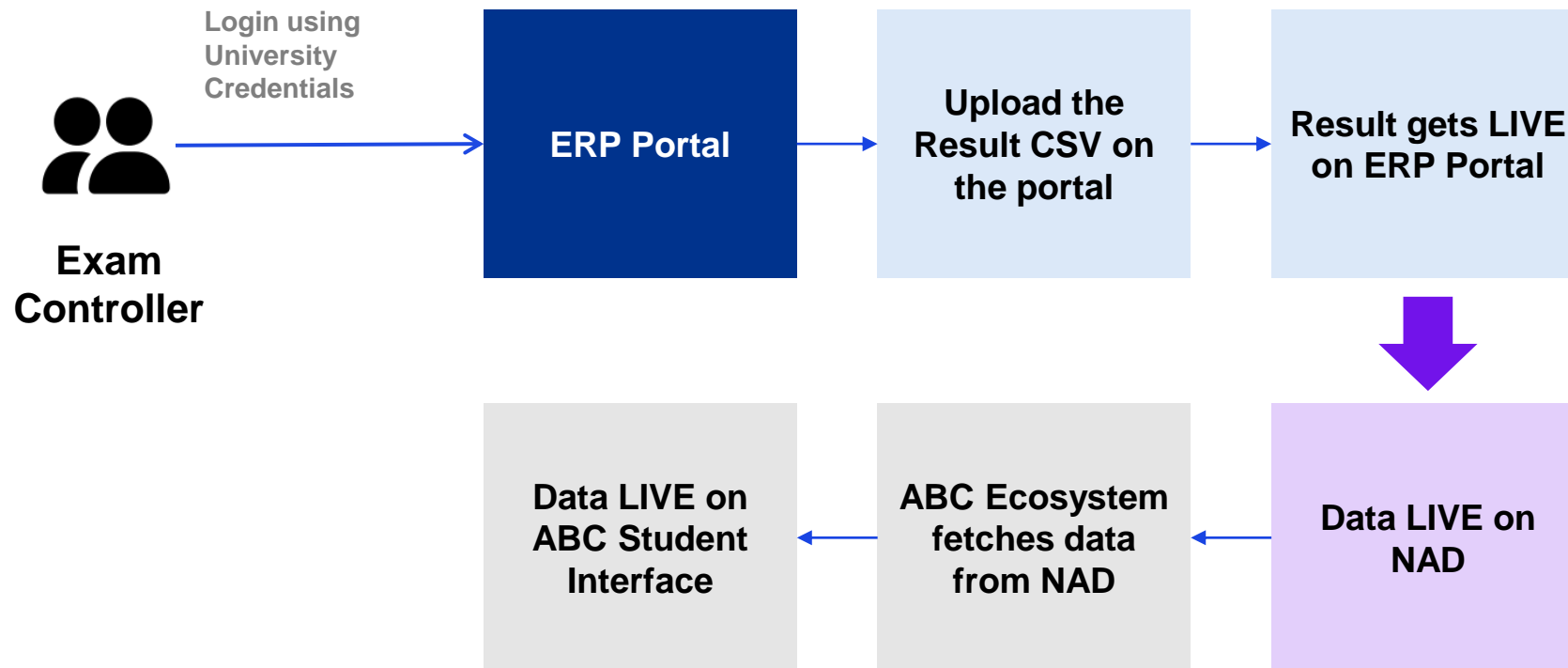
Automated authentication and data publishing on NAD as soon as the result is published on ERP