#### No. 12-4/2025-SP-III Government of India Ministry of Youth Affairs & Sports Department of Sports

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Hall No. 103, Stairs-1, Jawaharlal Nehru Stadium, New Delhi Dated: 12<sup>th</sup> March, 2025

#### Subject: Draft National Code Against Age Fraud in Sports (NCAAFS) 2025

The Department of Sports, Ministry of Youth Affairs and Sports, is in the process of revising the National Code Against Age Fraud in Sports (NCAAFS) 2010. The existing framework on age fraud prevention has been revised to align with the current best practices and evolving challenges in the field of sports.

2. The revised detailed procedure for age verification, documentation requirements, penalties for violations, and the appellate mechanism are laid down in the enclosed the draft **National Code Against Age Fraud in Sports (NCAAFS) 2025**. In light of the same, Department of Sports seeks suggestions from all stakeholders, including sports federations, athletes, coaches, sports administrators, and the general public, on the Draft NCAAFS 2025.

3. Stakeholders are requested to submit their suggestions/comments by **31**<sup>st</sup> **March 2025** (**Thursday**), preferably via email at **section.sp3-moyas@gov.in**, or by post to the following address:

SP-III Section Department of Sports Ministry of Youth Affairs and Sports Hall No. 103, Stairs 1 Jawaharlal Nehru Stadium Lodhi Road, New Delhi-110003

Encl: Draft National Code Against Age Fraud in Sports (NCAAFS) 2025

#### DRAFT NATIONAL CODE AGAINST AGE FRAUD IN SPORTS (NCAAFS) 2025

#### INTRODUCTION

**1.1** The Government emphasizes fairness and transparency in sports, recognizing age fraud as a threat to sportsmanship and competition integrity. To combat this, the draft National Code Against Age Fraud in Sports (NCAAFS) 2025 provides a revised framework to prevent, detect, and penalize such violations.

**1.2** This Code aligns with the existing international standards and demonstrates India's unwavering commitment to ethical and equitable sports practices.

#### 2. OBJECTIVES

**2.1** The draft NCAAFS similar to competition rules, will form an integral part of the governance framework for sports. Athletes and all related stakeholders must accept and adhere to these rules as a prerequisite for participation in any sporting event.

**2.2** The objectives of this policy include:

- Protecting the integrity of sports and ensuring fair competition at all levels
- Promoting ethical practices and reinforcing public trust in the governance of sports
- Protecting genuine athletes' rights and fostering an environment of honesty and transparency

**2.3** This Code focuses exclusively on maintaining integrity and fairness within sports governance. Its primary aim is to prevent age fraud and ensure fair competition, safeguarding the credibility of sports in India.

#### 3. FUNDAMENTAL RATIONALE FOR THE CODE

3.1 This code seeks to uphold the core values of sports: honesty, fair play, and team spirit.

**3.2** Age fraud undermines these principles, placing genuine athletes at an unfair disadvantage. It also results in sub-optimal level of performance of athletes committing such fraud, as they end up competing with their juniors and not their own age group. The Code explicitly links age fraud to the erosion of fair play, integrity, and ethical competition, emphasizing the need to protect the rights of young, deserving athletes while promoting ethical conduct and restoring public trust in sporting institutions.

**3.3** Age fraud creates a ripple effect of negative consequences:

• **Unfair Advantages**: It allows older athletes to dominate younger categories, depriving deserving athletes of opportunities and recognition.

• **Health Risks**: Older athletes competing in younger age groups face heightened risks of injury and health complications due to the mismatch in physiological capacity.

• **Resource Misallocation**: Resources such as coaching, scholarships, and training facilities, often allocated based on age-specific criteria, are misdirected, affecting the long-term development of genuine talent.

• **Reputation and Governance**: Age fraud tarnishes the reputation of sports organizations and raises concerns about their governance. Strict enforcement of the Code is essential to restore trust in institutions.

**3.4** This Code highlights the need for age-appropriate competition to ensure health and safety, while aligning with international best practices. This alignment is crucial for maintaining India's global competitiveness and credibility in international sports.

#### 4. SCOPE OF THE CODE

#### 4.1 General Applicability

The draft NCAAFS applies to all athletes, coaches, officials, administrators, and support personnel involved in:

- Sports Authority of India (SAI) through various sports promotion schemes of MoYAS
- Recognized National Sports Federations (NSFs)
- Sports Control Boards managed by Central Government departments and Central Public Sector Undertakings (PSUs)
- NGOs, NSPOs, public/private agencies, and institutions promoting sports development

#### 4.2 Voluntary Adoption by State(s)/UT(s)

State(s)/UT(s) may either adopt this policy or use this as a model framework to develop their own policy for promoting uniformity nationwide.

#### 4.3 Role of Recognized National Sports Federations

4.3.1 All recognized NSFs must adopt this Code, either directly or by reference, in their governing documents, constitutions, and competition rules. This adoption ensures alignment with the principles and obligations outlined in the Code.

4.3.2 Compliance with the Code is a precondition for receiving financial or other forms of assistance from the Government of India. NSFs must also enforce penalties for athletes or personnel found guilty of age fraud.

4.3.3 NSFs shall appoint an Integrity Officer/ Compliance Officer for every competition or sporting event to ensure the compliance with the draft NCAAFS. The name of the appointed officer shall be intimated to MoYAS by the NSFs for each event. It shall be the sole responsibility of the nominated Integrity Officer/ Compliance Officer to prevent age fraud at Competitions and report any violations. Any failure in the duty by the Integrity

officer shall render them liable to punishment under this code. The detailed guidelines for the Integrity Officer/ Compliance Officer shall be issued separately by MoYAS.

#### 4.4 Role of the Sports Authority of India (SAI)

SAI shall assist MoYAS in implementing the draft NCAAFS across its various Sports Promotional Schemes and during the organization of National Coaching Camps. SAI may also manage the operational aspects of compliance, including age verification and the dedicated database portal.

#### 4.5 Responsibilities of Other Bodies

The following entities are required to adopt suitable measures to ensure the effective implementation of the draft NCAAFS:

#### 4.5.1 Sports Control Boards

Sports Control Boards under the Union Government and PSUs must align their internal policies with the Code.

#### 4.5.2 NGOs, NSPOs and Institutions promoting sports development

NGOs and civil society organizations may play a complementary role by:

- Raising awareness about the consequences of age fraud
- Advocating for the rights of marginalized athletes
- Collaborating with sports authorities/ departments to identify and rectify violations, ensuring fairness in grassroots sports development

#### 4.5.3 Educational Institutions and Sports Academies

Educational institutions and sports academies may play an instrumental role in:

- Verifying athletes' ages during admissions and trials
- Embedding fair practices in inter-school and collegiate competitions to nurture genuine talent
- Offering counselling services to discourage unethical behaviour and guide young athletes toward sustainable sports careers

#### 4.5.4 Public/Private Agencies

Public/Private agencies may contribute to transparency and accountability by:

- Ensuring sponsorships, scholarships, and event management initiatives are tied to verified age records
- Promoting the credibility of age-specific competitions
- Developing advanced technologies based on AI or blockchain for secure age verification processes

#### 5. IMPLEMENTATION OF THE CODE

5.1 SAI, during the admission of athletes into its Sports Promotion Schemes, and recognized NSFs, at the time of registering or permitting a new athlete to participate in an event, shall require all athletes to submit the <u>following three mandatory documents for</u> <u>age verification at the time of registration:</u>

- i. **Birth Certificate** of the athlete issued by the Registrar of Births & Deaths or the Municipal Corporation or any other prescribed authority under the Registration of Birth and Deaths Act, 1969 *(must be computer generated Form 5 and verifiable through the QR Code)*
- ii. Aadhaar Card/ APAAR ID/Voter ID (EPIC)/Driving Licence/ Passport/PAN Card
- iii. Transfer/ School leaving/ Matriculation Certificate issued by the school last attended/recognised educational board containing Date of Birth (D.O.B.), or Certificate from the school last attended signed by the Principal/Head of the school on Official Letter Head, or a declaration given by the Head of the Orphanage/Child Care Home on their official letter head of the organization confirming the DOB of the applicant

5.1.1 SAI and NSFs shall designate Region/State wise Nodal Officers (N.O.) to oversee the process of document verification and data entry. The N.O. will be responsible for ensuring that the data from the submitted documents is accurately entered into the centralized database linked with NSRS.

5.1.2 The designated N.O. shall ascertain the authenticity and validity of all submitted documents to their satisfaction and ensure that the D.O.B. is consistent across all the three mandatory documents. In cases where any document is missing or there is doubt regarding the genuineness of the documents, shall refer the athlete to undergo a medical examination as outlined in clause 7.2.

5.2 **Existing Athletes:** All existing athletes who are registered either with SAI or NSF will submit the mandatory documents as per 5.1 to SAI or NSF respectively. In cases where any document is missing or there is doubt regarding the genuineness of the documents, the athlete shall be referred to undergo a medical examination as outlined in clause 7.2.

#### 5.3. Centralized Database

5.3.1 MoYAS will develop a dedicated database portal in full conformity with the provisions of the Digital Personal Data Protection Act, 2023, ensuring that all personal data is processed lawfully, fairly, and transparently. All verified data will be stored in a secure centralized database linked with the NSRS Portal. This portal will be managed by SAI.

5.3.2 Athletes will be registered by the respective N.O. on this portal, after verifying the mandatory documents or the medical report. Subsequently, ID Cards with QR codes will be issued. These ID Cards shall also be made available on the DigiLocker platform and must be mandatorily submitted by athletes as proof of age for participation in competitions.

5.3.3 The portal shall maintain a list of athletes who are banned for violations of this code and for committing age frauds. The duration of the ban along with other relevant details shall be clearly specified. Upon completion of the ban period, the athletes name shall be automatically removed from the list.

#### 5.4 Digital Locking of Age

Upon successful age verification, the athlete's age will be securely recorded and permanently locked in the dedicated database. This record will remain unalterable and serve as the definitive proof of age throughout the athlete's sports career.

#### 5.5 Voluntary Disclosure

A one-time Amnesty Program will be launched, allowing existing athletes to self-declare their correct age to SAI or NSF, within six months of this policy's implementation.

5.5.1 Athletes availing the program will:

- Avoid penalties
- Be subjected to performance review before re-adjusting in the appropriate age-group

# 6. POWERS CONFERRED UPON DIFFERENT AUTHORITIES AND DISPUTE RESOLUTION

#### 6.1 Document Verification by Nodal Officers (N.O.)

6.1.1 Designated N.O. of SAI and NSF shall be responsible for verifying the authenticity of documents submitted by athletes during registration.

6.1.2 In cases where documents are missing or their authenticity is in doubt, the N.O. shall refer the athlete for an initial medical examination in accordance with clause 7.2.

#### 6.2 First Appeal Against Medical Examination Findings

6.2.1 An athlete dissatisfied with the findings of the medical examination, as assessed by the N.O., may file an appeal within 15 days of the assessment.

6.2.2 The appeal shall be handled as follows:

• For cases under SAI: The appeal shall be reviewed by the Regional Director (RD) of the relevant region. The RD is authorised to accept the appeal and refer the matter to the appellate medical authority for re-valuation as per clause 7.3.

• For cases under NSFs: The appeal shall be reviewed by a three-member committee constituted by the NSF. The committee is empowered to accept the appeal and refer the case to the appellate medical authority for re-valuation as per clause 7.3.

6.2.3 The appellate medical authority shall conduct a reassessment and provide its report, which will then be reviewed and accepted by the RD SAI or the NSF's three-member committee, as applicable.

6.2.4 The decision of the Regional Director or the NSF's three-member committee, based on the appellate medical authority's findings, shall be communicated to the athlete within 30 days of the appeal submission.

6.2.5 The final decision at this stage shall also be conveyed to the N.O., who will ensure that the determined age is accurately recorded in the designated portal.

#### 6.3 Second Appeal to the Central Appeals Committee(CAC)

6.3.1 If an athlete remains dissatisfied with the decision made by the Regional Director of SAI or the NSF's three-member committee, they may submit a second and final appeal to the Central Appeals Committee(CAC) constituted by the MoYAS, within 15 days from the date the decision is communicated to them, as per clause 6.2.4.

6.3.2 The Central Appeals Committee shall include:

- Chairperson: DG, SAI
- Joint Secretary (Sports), MoYAS.
- CEO, TOPS, SAI
- ED, Operations, SAI
- Director, National Centre for Sports Science and Research (NCSSR)
- One independent expert with expertise in law and Forensic medicine each

6.3.3 The athlete must submit substantial supporting evidence to support their claim when filing the second appeal. Appeals submitted without supporting evidence may be rejected.

6.3.4 The CAC shall review the appeal and issue its decision within 60 days of receiving the submission.

6.3.5 The final decision of the CAC shall also be conveyed to the N.O., who will ensure that the determined age is registered in the designated portal.

#### 6.4 Final and Binding Decisions

6.4.1 The decision of the CAC shall be final and binding on all parties. 6.4.2 No further appeals shall be permitted under this policy.

#### 6.5 Compliance with Timelines

6.5.1 All authorities involved in the dispute resolution process are required to adhere to the timelines specified in this framework.

6.5.2 Any unjustified delays may result in administrative review and corrective action by MoYAS.

#### 7. PROCEDURE FOR MEDICAL EXAMINATION

#### 7.1 Medical and Scientific Testing Parameters

7.1.1 The assessment of age shall be conducted using the TW3 method (Tanner, Healy et al.), an internationally recognized technique for Bone Age determination, in addition to the general physical and dental examinations. Advanced AI-based technologies (such as BoneXpert) may be introduced in a pilot phase to enhance accuracy and efficiency. At the appeal stage, Magnetic Resonance Imaging (MRI) may be conducted as an additional assessment tool for more precise age verification. Detailed guidelines and Standard Operating Procedures (SOPs) for medical and scientific testing parameters shall be issued separately and will be periodically reviewed and updated as necessary.

7.1.2 The medical/scientific testing and age certificate format has been outlined in the <u>Annexure III</u> and <u>Annexure IV</u> and shall be periodically reviewed and updated as required.

7.1.3 All athletes undergoing medical examination will mandatorily submit the consent form at Annexure II. The consent form will be countersigned by the parents or the lawful guardian as the case maybe for the athletes less than 18 years of age.

#### 7.2 Authorities for initial medical examination

7.2.1 MoYAS shall notify a panel of doctors and hospitals, preferably government hospital, State/Region-wise comprising of a dental surgeon, radiologist and physician (male and female). The panel will be notified annually in the month of December. Physical examination of female athletes will be done by female doctors only. The list notified by MoYAS will be applicable to NSFs as well.

7.2.2 N.O. may refer athletes to these notified panels to undergo initial medical examination.

7.2.3 The panel will examine the athlete and furnish a duly certified stamped medical report and age certificate, as per <u>Annexure III</u>.

#### 7.3 Authorities for medical examination on appeal

7.3.1 MoYAS shall also notify the list of appellate panels and hospitals, which shall necessarily be Government hospitals. The appellate medical panel should also have a dental surgeon, radiologist and physician (a female doctor in case of female athlete) and any other medical personnel as deemed necessary by the Civil Surgeon. This panel will also be notified annually in the month of December. The list of appellate panels and hospitals notified by MoYAS shall be applicable to NSFs as well.

7.3.2 R.D., SAI or the three-member committee constituted by the NSF on first appeal, may refer athletes to undergo medical examination under this clause.

7.3.3 The appellate panel will examine the athlete and furnish a duly certified stamped medical report and age certificate, as per <u>Annexure IV</u>.

#### 7.4 Cost for medical examination

The cost for medical examinations conducted by SAI and NSFs shall be reimbursed by the Government.

#### 8. UNIFORM PENALTY FRAMEWORK

A uniform penalty framework shall be implemented across all erring athletes, ensuring consistent and equitable actions against violations of this code.

#### 8.1 For Athletes

Penal action against an athlete may be initiated following a thorough inquiry by SAI or NSF, as the case maybe, to establish the facts and determine the extent of the violation under this code.

#### 8.1.1 First Violation:

- i. A two-year ban across all competitions
- ii. Forfeiture of medals, titles, and benefits earned fraudulently

#### 8.1.2 Second Violation:

- i. Permanent ban from competitive sports
- ii. Registration of FIR under provisions of Bharatiya Nyaya Sanhita (BNS), 2023 and other legal provisions

#### 8.2 For Coaches and the officials of the NSFs

8.2.1 NSFs shall take strict action against coaches and officials found facilitating or concealing age fraud, including:

- i. Immediate suspension pending the completion of an inquiry and a two-year ban for a first confirmed violation following the inquiry
- ii. Lifetime debarment from any role within the NSF for second violation

#### 8.3 For Integrity/Compliance Officer

8.3.1 It shall be the sole responsibility of the Integrity/Compliance Officer to prevent age fraud at Competitions and report any violations. Any failure in the duty by the Integrity officer shall render them liable to punishment including :

i. Immediate suspension pending the completion of an inquiry and a two-year ban for a first confirmed violation following the inquiry ii. Lifetime debarment from any role as an Integrity/Compliance Officer for second violation

#### 8.4 Whistleblower Mechanism

8.4.1 A secure and confidential platform shall be established by MoYAS to allow stakeholders to report instances of age fraud. All reported violation will be reviewed and inquired by the designated body under MoYAS.

8.4.2 The whistleblower mechanism shall be implemented with a fee of ₹5000. In cases where the complaint is found to be false or frivolous, the fee may be forfeited. However, if the complaint is found to be true, the fee shall be fully refunded, and the whistleblower shall receive an incentive of ₹2,000 as a reward for reporting the violation.

8.4.3 Whistleblower identities will remain confidential unless required by law. SAI, NSFs and other stakeholders shall conduct awareness programs to encourage ethical practices and educate stakeholders about the whistleblower mechanism.

#### 9. Purpose/Usage and Validity of the Identity Card

9.1 Purpose/ Usage of the Identity Card is exclusively to serve as proof of age for participation & training in age restricted sports events. The Identity Card will not serve as a proof of age for any other purpose.

9.2 The Identity Card shall be QR-enabled and linked to the NSRS Portal. It may be carried in physical form or stored digitally in DigiLocker. Submission of the ID card shall be mandatory for participation in all events. The Integrity/Compliance Officer shall be responsible for verifying the ID cards and will submit a detailed report after each event to the reporting authority.

9.3 The Identity Card issued will be valid for athletes' entire sports career.

#### **10. Monitoring Framework**

MoYAS shall prepare and implement a comprehensive Monitoring Framework to oversee the adherence to the daft NCAAFS 2025. All NSFs and SAI shall submit biannual compliance reports to MoYAS.

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#### FORMAT OF IDENTITY CARD

1. Name:

2. Name of the father:

3. Name of the mother:

4. Place & State of birth:

5. Address for communication:

6. Telephone (with STD Code)

7. Identification marks:

<u>a).</u>

<u>b).</u>

8. Date of birth as per documents:

9. Medical age Range: (As on )

10. Signature of the candidate:

Date of issue:

Signature of the Issuing Authority & Stamp

Place of issue:

(For Office Use Only)

ID Card Nos.:

**<u>NOTE:</u>** This Identity Card is exclusively to serve as proof of age for participation & training in age restricted events. The Identity Card will not be serve as a proof of age for any other purpose.

Photograph	

Annexure I

## **Identity Card Template**



### **Player Basic Information Form**

Passport Size Photograph

Sports Discipline:	Event:		
Full Name (IN CAPITAL LETTER):			
Date of Birth (DD/MM/YYYY):	Gender:		
Address:			
Category : Gen/ OBC/SC/ST State:	Aadhaar Card Number:		
Email Id:	Mobile Number:		
Father Name:	Mother Name:		
Father/Mother Mobile Number:			
Coach Name:	Coach Mobile No:		
Bank Name:	Account No:		
IFSC Code:	A/c Holder Name:		
Training Centre Name & Place:			
Kit Size: Tracksuit Size:	T-Shirt Size:		
Pant/Short Size:	Shoe Size:		

If already registered, please provide your Khelo India UID Number, KI UID No:

(Signature of Player)

\* Note: Attach copies of following documents along with this form

 (a) Birth Certificate of the athlete issued by the Registrar of Births & Deaths or the Municipal Corporation or any other prescribed authority under the Registration of Birth and Deaths Act, 1969

- (b) Aadhaar Card/ Voter ID (EPIC)/ Driving Licence/ Passport/PAN Card
- (c) Transfer/ School leaving/ Matriculation Certificate issued by the school last attended/recognised educational board
- (d) Bank Passbook/ Cancelled Cheque (Players Bank Account)

#### (For Office Use Only)

Name of the Competition/Activity: \_\_\_\_ Venue: \_\_\_\_

#### CONSENT FORM (To be signed by Athletes)

**Annexure II** 

Space for colour photograph selfattested

#### **Informed Consent**

I .....voluntarily give my consent for complete medical examination for the purpose of age estimation. I understand that this examination may involve physical examination, dental examination, and radiography. The purpose, procedure and use of such examination have been explained to me in the language which I understand.

(Signature of the athlete)

Name: Date: Place:

#### To be countersigned by Father/ Mother/ Guardian in case of athletes below 18 years

(Signature of Father/ Mother/ Guardian) Relation with the Athlete: Date: Place:

#### <u>Annexure III</u> (Format of the Initial Medical Examination for Age Verification)

#### A. General Physical Examination:

1. Height (cm):
2. Weight (kg):
3. Chest girth at the level of nipples:
4. Abdominal girth at the level of naval:
5. For Calculating Body Development Index (BDI):
I. Biacromial breath (cm):
II. Biliospinale breath (cm):
III. Forearm circumference (cm) in males:
IV. Mid-thigh circumference (cm) in females:
6. Voice (Hoarseness of voice):

Signature (Name and Designation)

#### **B.** Dental Examination

1. Dental Data: Rt 
$$\frac{(S)87654321\ 12345678\ (S)}{(S)87654321\ 12345678\ (S)}$$
 Lt

- b. Permanent
- c. Space for third molar (S)
- d. Partially erupted/completely erupted

. . .

- 2. Dental X- ray: Oral pantogram (OPG)
  - 2. Dental X- ray findings:

Permanent D	entition	present on OPG:
(Circle/ Tick)		

## 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8

Score determination based on developmental stage of tooth

CS for tooth no.	M/F	Developmental stages of teeth									
		0	1	2	3	4	5	6	7	8	9
				1	PRO	S for Incisors (	31, 32)	•			
						$\bigcirc$	$\bigcirc$	W	17	P	V
CS for	M	-	-		•	-	2.31	4.35	5.16	6.56	10.68
31	F	-	-	-			2.58	3.10	5.02	6.66	10.61
CS for	M	-	-	-5		-	2.55	4.71	5.75	6.97	10.91
32	F	-	-			-	2.65	4.54	5.40	7.02	10.89
					P	RCS for Canine	(33)				
					$\bigcirc$	$\bigcirc$	0	Ø	Ŵ	Ŵ	
CS for	м	-		-	1.70	2.67	4.34	6.14	7.59	9.52	12.56
33	F	-	100	-		2.55	3.15	5.40	7.19	9.22	11.99
			19 (A)	10 S	PRCS	for Premolars	(34, 35)		03 - 10		2
		-	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	R	V	Ø
CS for	м		-	1.70	1.98	3.52	5.19	6.47	8.18	9.84	12.57
34	F		•	-	2.56	3.54	5.09	6.31	8.09	9.82	12.29
CS for	M	+	1.69	2.27	3.41	3.41	5.59	6.96	8.68	10.64	13.11
35	F	-	•	2.43	3.43	3.83	5.75	6.81	8.70	10.80	12.79
					PRCS	for Molars (36	, 37, 38)				
			$\bigcirc$		$\bigcirc$			R	E?	A	Ø
CS for	м						2.13	3.73	4.94	7.00	11.22
36	F	-		×		•	2.58	3.25	4.25	6.88	10.94
CS for	м	1.70	2.98	3.41	4.74	4.88	6.69	7.89	9.08	11.13	13.63
37	F	-	2.57		2.65	4.10	6.51	8.00	9.13	11.00	13.84
CS for	M	6.19	7.64	8.28	8.86	9.89	11.17	12.25	13.66	14.07	15.32
38	F	6.40	7.74	8.92	9.31	10.22	11.04	12.65	13.77	14.45	16.65

\*Adapted from the scoring and calcification stages given by Chaillet and Demirjian<sup>13</sup> and Nolla<sup>7</sup> # = CS(31 + 32 + 33 + 34 + 35 + 36 + 37 + 38) Legend: FDI: Fédération Dentaire Internationale, CS: Corresponding Score, M: Males, F: Females, PRCS: Pictorial Representation of Calcification Stages

#### Indian Formulas<sup>16</sup>

	indian Formulas
Males:	27.4351 - (0.0097 X S <sup>2</sup> ) + (0.000089 X S <sup>3</sup> )
Females:	23.7288 - (0.0088 X S <sup>2</sup> ) + (0.000085 X S <sup>3</sup> )

Original Formulas<sup>13</sup> (0.0000550 X S<sup>3</sup>) - (0.0095 X S<sup>2</sup>) + (0.6479 X S) - 8.4583 (0.0000615 X S<sup>3</sup>) - (0.0106 X S<sup>2</sup>) + (0.6997 X S) - 9.3178

Signature

## C. Radiological Examination

1. X-ray advised (as per requirements):
i. Shoulder joint: A.P view
ii. Elbow joint: A.P and lateral view
iii. Hand with wrist: A.P view
iv. Pelvis with hip joint: A.P view
2. Date of radiological examination:
3. Name of the radiographer: Radiological findings:
S.No. X-ray advised Findings Age inference:

Signature (Name and Designation)

#### Age Certificate (on official letterhead and duly stamped)

After performing general physical, dental and radiological examination, we are of the considered opinion that the biological age of the person is about..... years which is consistent / not consistent with birth certificate/ age document.

#### Dated:

Signature	Signature	Signature
Name	Name	Name
Designation	Designation	Designation

(Physician)

(Dentist)

(Radiologist)

#### **Annexure IV**

#### (Format of the Medical Examination on Appeal for Age Verification)

#### **A. General Physical Examination**

1. Height (cm):
2. Weight (kg):
3. Chest girth at the level of nipples:
4. Abdominal girth at the level of naval:
5. For Calculating Body Development Index (BDI):
I. Biacromial breath (cm):
II. Biliospinale breath (cm):
III. Forearm circumference (cm) in males:
IV. Mid thigh circumference (cm) in females:
6. Voice (Hoarseness of voice):

Signature

(Name and Designation)

#### **B. Magnetic Resonance Imaging based Forensic Age estimation**

## **Target Areas for MRI Examination**

Bone/Region	Purpose	Conducted (Y/N)	Findings/Notes			
Hand/Wrist	Assess growth plate closure and ossification					
fund/ winst	patterns.					
Knee	Analyse epiphyseal fusion in distal femur, proximal					
tibia, and fibula.						
Clavicle	Evaluate medial epiphyseal fusion for late					
(Collarbone)	adolescents/adults.					
Dental (Third	Examine development of mandibular third molar					
Molar)	for age estimation.					

#### **Findings and Observations**

٠	Hand/Wrist MRI:
	Findings:
	Interpretation:
•	Knee MRI:
	Findings:
	Interpretation:
•	Clavicle MRI:
	Findings:
	Interpretation:
•	Dental MRI (if applicable):
	Findings:
	Interpretation:
Estimat	ted Age Based on MRI Findings:

• Remarks:

#### Age Certificate (on official letterhead and duly stamped)

After performing general physical and MRI examination, we are of the considered opinion that the biological age of the person is about..... years which is consistent / not consistent with birth certificate/ age document.

#### **Dated:**

Signature	Signature	Signature
Name	Name	Name
Designation	Designation	Designation

(Physician)

(Dentist)

(Radiologist)