

RESUME



NAME: Dr. Shriton Hembrom

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CAREER OBJECTIVE:

I would like to utilize my creativity and blend it with my knowledge in my field of work to prove my skills and abilities in the opportunities and challenges presented to me.

STRENGTHS:

- Strong determination, Confidence, Time conscious, Hard-working.

ACADEMIC QUALIFICATIONS:

Name of Examinations	Name of Board/University	Subject	Year of passing	Percentage
Madhyamik	WBBSE	All Subject	2011	71.5
Higher Secondary	WBCHSE	Science	2013	68.2
Graduation(B.Sc)	Jadavpur University	Mathematics	2017	48.58
Post-graduation(M.Sc)	Jadavpur University	Applied Mathematics	2020	57.80
Ph.D. Course Work Exam	Jadavpur University	Ph.D. in Mathematics	2024	86.5

Ph.D. Thesis: “Classical and Quantum Cosmology from Various Gravity Theories: Noether Symmetry Approach”, defended on 25/08/2025.

TECHNICAL SKILL:

- Short term course on **Certificate Course in Advance programming (CCAP) COMPUTER.**
- Familiar with the Software of **Maple** and **Mathematica.**
- A Certificate course in **OL CHIKI** grade 10th level, organizing board is **Adibasi Socio - Educational and cultural Association (ASECA), West Bengal.**

TEACHING EXPERIENCE:

- (i) Former guest lecturer at **Sonarpur Mahavidyalaya, University of Calcutta.**

NATIONAL EXAM CERTIFICATE:

- (i) **CSIR-NET**, December-2024 (Rank-126).
- (ii) **GATE-2022** (AIR-4968, Score-219).

INTERNATIONAL CONFERENCE:

- (i) 2nd International Conference on “Mathematical Analysis and applications in Modeling” organized by Department of Mathematics & CMBE, JU.
- (ii) International Conference on “Multidisciplinary Research Methodology & IPR 2023” organized by Research & Development Cell and IQAC, Bhairab Ganguli College, India & Swami Vivekananda University, India in Association with Azteca University, Mexico.
- (iii) International Conference on “Emerging Trends in Mathematical Sciences & Computing (IEMSC-24) Held in Institute of Engineering & Management, Kolkata.
- (iv) International Conference on Relativistics Astrophysics, Cosmology and quantum Realities (ICRACQR-25), Sponsored by IUCAA, Pune and organized by Department of Physics, Malda College, West Bengal.

PUBLISHED RESEARCH PAPERS:

1. “Classical and quantum cosmology for two scalar field Brans–Dicke type theory: a Noether symmetry approach”, **S Hembrom**, R Bhaumik, S Dutta, S Chakraborty - The European Physical Journal C, **84**, 110 (2024).
2. “Noether symmetry analysis for fourth-order modified gravity theory: Cosmological solution and evolution” **S Hembrom**, R Bhaumik, S Chakraborty - International Journal of Modern Physics A, **39**, 2450058 (2024).
3. “Classical and quantum cosmology in Weyl integrable gravity: A Noether symmetry approach”, D Das, **S Hembrom**, R Bhaumik, S Chakraborty - International Journal of Geometric Methods in Modern ..., (2024).
4. “Symmetry analysis in multi scalar-torsion cosmological model with quantum description” **S Hembrom**, R Bhaumik, S Dutta, S Chakraborty - The European Physical Journal C, **84**, 1054 (2024).
5. “Quantum Cosmology in Bianchi-I model: A study of symmetry analysis” D Laya, **S Hembrom**, S Dutta, S Chakraborty - Journal of Subatomic Particles and Cosmology, **1-2**, 100013 (2024).
6. “A study of classical and quantum cosmology in modified teleparallel gravity and the role of Noether symmetry” D Laya, **S Hembrom**, S Dutta, S Chakraborty - The European Physical Journal C, **85**, 58 (2025).
7. “Symmetry of the physical space and quantum cosmological description for non-minimally coupled scalar field cosmology”, **S Hembrom**, D Laya, S Dutta, S Chakraborty- Journal of Subatomic Particles and Cosmology, **3**, 100048 (2025).
8. “A Classical and Quantum description of Einstein-Gauss-Bonnet scalar field cosmology versus scalar field cosmology-A Noether symmetry approach”, S Das, **S Hembrom**, S Chakraborty, International Journal of Modern Physics A 40(27), 2550128.

PERSONAL DETAILS:

Date of Birth: 2nd September, 1995

Sex: Male

Nationality: Indian

Languages known: English, Bengali, Santali, Hindi,

EXTRA CURRICULAR:

- (i) I was a former **President** of the student social apolitical organization **Jadavpur University Santal Students' Welfare and Cultural Association (JUSSWCA)** for the academic year 2024-25.
- (ii) **JUSSWCA** organized in Remembrance of the 121st Birth anniversary of Pandit Rangunth Murmu a **National Seminar** on Commemorating 100 years of the Olchiki Script and exploring International Perspectives on Santali Language, Literature, Culture, ethnic Identity and its Preservation, in collaboration with **Adibasi Socio Educational and Cultural Association (ASECA)**, West Bengal.
- (iii) Delivered a lecture on a poem '**Uprum**' in a literary programme in memory of Birth Centenary of **Dr. Doman Sahu sameer** at Maha Bodhy Society of india, Kolkata-700073, on 23rd March, 2025 organized by **All India Santali Writers' Association**.

HOBBIES:

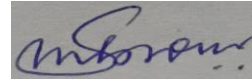
- Playing Football.
- Reading
- Social activity.

DECLARATION:

- I, hereby, declare that all the information given in the above written particulars are true to the best of my knowledge and belief. I have the responsibility to maintain the above.

Date: 15.09.2025

Place: Jadavpur



(Dr. Shriton Hembrom)