

School of Humanities and Social Sciences

Sl	Name & Designation	Field of Specialization
1.	Dr. Pranay K. Swain, Associate Professor	Public Policy and Governance, Science-Society Interface, Contemporary Social Issues
2.	Dr. Debashis Pattanaik, Assistant Professor	Social Innovation, Social Network Analysis, Social Study of Sciences and Technology
3.	Dr. Rooplekha Khuntia, Assistant Professor	Business Ethics, Ethical Cynicism, Organizational Behavior and Leadership
4.	Dr. Joe Varghese Yeldho, Reader - F	Critical History and Narratives of Race
5.	Dr. Amarendra Das, Reader - F	Natural Resource Management, Public Economics
6.	Dr. Amarjeet Nayak, Reader - F (Chairperson)	Postcolonial Theory and Literature, Translation Studies, Speculative Fiction, Indian English Literature, Diaspora Studies

School of Computer Sciences

Sl #	Name and Designation	Field of Specialisation
1.	Prof. Manindra Agrawal, Adjunct Professor	Complexity Theory, Computational Number Theory
2.	Dr. Rishiraj Bhattacharyya, Reader - F (Chairperson)	Cryptography
3.	Dr. Subhankar Mishra, Reader - F	Graph Theory, Cyber Security, Smart Grid
4.	Dr. Aritra Banik, Reader - F	Computational Geometry
5.	Dr. Manoj Mishra, Assistant Professor	Information Theory, Cryptography
6.	Dr. Sabyasachi Karati, Assistant Professor	Cryptography
7.	Dr. Sushmita Gupta, Assistant Professor	Algorithms

Dr. Sutanu Roy, Reader-F

- Atibur Rahaman, Sutanu Roy, Quantum $E(2)$ groups for complex deformation parameters, Rev. Math. Phys. (online version) <https://doi.org/10.1142/S0129055X21500215>
- Ralf Meyer, Sutanu Roy, Braided free orthogonal quantum groups, Int. Math. Res. Not. IMRN (online version) <https://doi.org/10.1093/imrn/rnaa379>
- Deeptak Biswas, Kishan Deka, Amaresh Jaiswal, Sutanu Roy, Nonconformal Solution of Viscous Landau Hydrodynamics, Internat. J. Modern Phys. E 30 (2021), no.2, 213001 pp 59–64.
- Sumana Bhattacharyya, Amaresh Jaiswal, Sutanu Roy, Chemical freeze-out systematics of thermal model analysis using hadron yield ratios, Phys. Rev. C 103 (2021), no. 2, 024905
- Deeptak Biswas, Amaresh Jaiswal, Kishan Deka, Sutanu Roy, Quantum Viscosity, nonconformal equation of state, and sound velocity in Landau hydrodynamics, Physical Review C 102 (2020), no. 1, 014912

Dr. Panchugopal Bikram, Reader-F

- On the von Neumann algebras associated to Yang-Baxter Operators with Rahul K. R, R. Mohanta, K. Mukherjee and D. Saha, Proceedings of the Royal Society of Edinburgh, page 1 of 24, 2020, DOI:10.1017/prm.2020.62 2020.
- On the commutants of generators of q -deformed Araki-Woods von Neumann algebras with Kunal Mukherjee, to appear Publ. Res. Inst. Math. Sci., 2020.

Dr. K. Senthil Kumar, Reader-F

Linear dependence of quasi-periods over the rationals, To appear in Comptes Rendus Mathematique, Paris.

Awards and Honours received

Dr. Sutanu Roy, School of Mathematical Sciences NISER, has been selected for the INSA Medal for Young Scientists - 2020.

Conferences and Seminars

Dr. Brundaban Sahu, Associate Professor

International Conference on Number Theory (online) December 22-23, 2020, IIT BHU

Dr. Binod Kumar Sahoo, Associate Professor

- Online Interactive Mathematics Training on Number Theory and Algebra, August 17-21, 2020.
- Online Mini-course in Finite Geometry and Ramsey Theory, January 11-22, 2021.

Dr. Jaban Meher, Reader-F

Online workshop on Modular forms (14–19 December, 2020), IIT Guwahati.

Dr. Kamal Lochan Patra, Reader-F

- International Conference on Graph Connections, 6-8 August 2020, Bishop Chulaparambil Memorial College, Kerala, India.
- International Conference on Recent Advances in Applied Sciences Technology and Health, 3-5 March 2021, SRM Institute Tamilnadu, India.

Dr. Nabin Kumar Jana, Reader-F

- International Webinar on Facets of Computational Mathematics, BKGCC, July 27, 2020
- Neohumanist Solutions for a World in Crisis, Neohumanist College, December 11-14, 2020
- National Webinar on Shrii Shrii Anandamurtijii's contribution contribution to Philosophy, Science, Neohumanism, Economics and Neohumanist Education, Renaissance Universal, Kolkata, November 05, 2020
- National Webinar on "Shrii Shrii Anandamurtijii's/ Shrii Prabhat Ranjan Sarkar's contribution to Philosophy, Ethics, Science and Neohumanist Education, Panjab University, November 17-18, 2020
- International Webinar on Philosophy of Sciences and Neohumanist ethics reflected in Shrii Shrii Anandamurtijii's / Shrii Prabhat Ranjan Sarkar's vision, Kurukshetra University, December 27-28, 2020

Dr. Sutanu Roy, Reader-F

- Virtual Math Fest 2020, Institute of Mathematical Sciences Chennai, India, July 2020.
- IISER-NISER Mathematics WebMeet 2020 (Operator Algebra/Theory session), Indian Institute of Science Education and Research Mohali, India, July 2020.

- as Resistance, Liberation and Celebration in Dalit Women's Autobiographical Narratives". *Contemporary Voice of Dalit*, Vol. 12, Issue 2, 2020. pp. 138-148. (SAGE Publications) <https://doi.org/10.1177/2455328X20924882>
- Nayak, Amarjeet, Yeldho, Joe V. and Prajnaa Ananyaa. "Exploring Literary Representations of Ageism and Coping Mechanisms, through Fakir Mohan Senapatia's short story "Dak Muni" as a Case Study". *Springer Handbook on Aging*. Accepted.
 - Nayak, Amarjeet. "Folklores in Words and Images: A Study of Folktales from North-East India and their Cinematic Adaptation". In *Critical Essays on Folktales from North-East India*. Ed. Bhaskar Roy Barman. Sahitya Akademi, New Delhi. Accepted.

Dr. Joe Varghese Yeldho, Reader-F

- Yeldho, Joe Varghese. "Sounding Harlem: Ann Petry's *The Street* and the Experience of "Dwelling." **American, British and Canadian Studies**. Spl Issue, City and Literature. 34 (2020): 69-83.

Dr. Amarendra Das, Reader-F

- With Biplab Kumar Guru (2021) Cost of Human-Elephant Conflict and Perception of Compensation: Evidence from Odisha, India, Journal: *Journal of Environmental Planning and Management (CJEP)*. <https://doi.org/10.1080/09640568.2020.1838264>
- With Biplab Kumar Guru (2021) COVID-19 and uncertainty spillovers in Indian stock market. *MethodsX*. Volume 8, 2021, 101199. <https://doi.org/10.1016/j.mex.2020.101199>.
- With Pradeep Kumar Sahoo and Himanshu Shekhar Rout (2020) Mining, Livelihood and Adivasis, in *Orissa Economic Journal Vol 52*.
- Lead author (with Keshab Das and Mitali Chinara) "COVID-19 and the Economy of Odisha: Challenges and the Way forward", published by Orissa Economics Association
- Das, Amarendra (2020): Odisha's Growth Forecast for 2020-21. SageSubmissions. Preprint. <https://doi.org/10.31124/advance.12328388.v1>
- With Subhankar Mishra (2020). India's Growth Forecast for 2020-21. arXiv preprint arXiv:2005.06461.
- Das Amarendra (2020) Turnaround in Maternal and Child Healthcare: Role of Institutional Innovation

and Interactive Learning in Inclusive Innovation: Evidence and Options in Rural India Editors Rajeswari S. Raina and Keshab Das, Springer.

Dr. Debashis Pattanaik, Assistant Professor

- A conceptual Reconstruction of the host-guest encounter in tourism, submitted to Journal of Hospitality and Tourism Insights (Under review)

Invited Talks

Dr. Pranaya Kumar Swain, Associate Professor

Professional Ethics and the Spirit of Academic Responsibilities, AICTE - Faculty Development Programme on Nurturing Morals, Work Ethics & Accountability for Technical Teachers, at the Dept. of Computer Science and Engineering, VRSEC, Vijaywada, 12 December 2020

Dr. Amarjeet Nayak, Reader-F

Delivered an invited talk on Speculative Fiction to students and faculty of Gangadhar Meher University, Sambalpur, Odisha (29th June, 2020 - Online mode)

Dr. Joe Varghese Yeldho, Reader-F

"Urban Narratives: Cities, Texts, Aesthetics." Prof. Susan Thomas Memorial Lecture. Department of English, UC College, Alwaye (September, 2020).

Dr. Amarendra Das, Reader-F

- Budget during COVID-19 (karona kalare bajet), Organised by Prajatantra, on February 27, 2021 at Prajatantra Office, Cuttack
- Webinar on "An analysis of Union Budget 2021-22" organised by Swami Vivekananda Yova Sansad, February 17, 2021
- Odisha Post Corona: The Road to Recovery, May 22, 2020, Webinar organised by Odisha Alochana Chakra
- Implications of Farm Reforms 2020 for the Farmers at Kalinga Mavidyalaya, G Udayagiri, Kandhamal, Odisha on December 21, 2020.
- The Fallouts of Rule-Based Fiscal Policy during COVID-19 in India in Second Global International Conference 2020 organised by Global College International, Kathamandu, Nepal on December 12, 2020.
- Impact of COVID-19 on the Indian Economy at OPS Mahavidyalaya, Dhenkanal, Odisha on December 04, 2020.

7. Odisha's Fiscal Management During COVID-19 at KSUB College, Bhanjanagar, Ganjam, Odisha on November 22, 2020.
8. Sources of Livelihood in Odisha in National Webinar on Access to Rural Livelihood in Eastern Region of India with a special reference to Odisha on September 15, 2020 at Berhampur City College, Berhampur, Odisha.
9. Impact of COVID-19 on Odisha's Economy, at Ekamra College, Bhubaneswar, on September 05, 2020.
10. Impact of COVID-19 on Odisha Economy at Sarankul College, Sarankul, Nayagarh, Odisha, on July 24, 2020.

Dr. Rooplekha Khuntia, Assistant Professor

Depression: Healing the Invisible - Invited talk in a Webinar by Amity University, Uttar Pradesh, 22nd October, 2020.

Creating a Culture of Ethics and Values - Invited speaker

at AICTE sponsored short term training program for faculties at Silicon Institute of Technology, Bhubaneswar, 22nd March, 2021.

Conferences and Seminars

Dr. Amarjeet Nayak, Reader-F

Nayak, Amarjeet. "The past is a palimpsest: South Asian Science Fiction and Its Dialectic Engagement with the Past – A Close Reading of "Sultana's Dream" and "Reunion"" presented in IACLALS (Indian Association for Commonwealth Literature and Language Studies) 2021 Conference. 17-20 March, 2021. Delhi University (Online mode)

Dr. Amarendra Das, Reader-F

Natural Capital Accounting: Case of Mineral Resources in India: 1995-2015. Online (Twitter of MoSPI, Govt of India) in Poster presentation (with Dasarathi Pradhan) NCAVES INDIA FORUM 2021. January 15, 2021