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CRITERIA – III

RESEARCH INNOVATIONS AND EXTENSION

Key Indicator – 3.3 Research Publications and Awards

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Books and chapters in edited volumes/books published and papers published in national/international conference proceedings during last five years



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List of Book Chapters published

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1	Bhashacharja Suniti Kumar: Ekti Sangkhipto Khosra	Anunoy Chatterjee	Bengali	Sahaito, Samaj o Sanskriti Aitijjo O Uttaradhikar	Nov, 2018	978-93-88629-00-3
2	Cost-Effectiveness and Environmental Accountability-A case Study of Brick making unit of West Bengal	Sukumar Sadhukhan	Commerce	Green Accounting and Sustainability	2018	978-81-936584-5-1
3	The Rhetoric of Imperial Governments in Colonial India" A Study of Amitav Ghosh's Ibristriology"	Animesh Bag	English	Explorations Literary and Cultural	2018	978-81-934244-8-3
4	Unish Shataker Prekhite Deho o Jibani: Ekti Parjalochana	Sreyashi Sarkar	History	Jyunotar Bishoy Ashay	Jan, 2018	978-93-84108-14-4
5	Bish Satoker Bangla Byakoroncharchay Karokchintar Kramobikash	Anunoy Chatterjee	Bengali	Probahoman Banglacharcha 3	Jan, 2019	978-81-93795-41-5
6	Vertical Fiscal Imbalances and its Impact on Fiscal Performance: A Case for Indian States	Madhurima Koley	Economics	Opportunities and Challenges in Development	2019	978-981-13-9980-0 978-981-13-9981-7(eBook)
7	Towards a Gendered Understanding of Nationalism: Reading Bina Das' Srinkhala Jhankar	Animesh Bag	English	Gender: constructions, Connotations and Representations	2019	978-93-88207-16-4
8	Sunil Gangopadhyayer "Smritir Sahor"	Anunoy Chatterjee	Bengali	E kaler bangla kabita	2020	978-93-82539-44-5
9	Kalkut Ki Chhadma Samaresh	Putul Chakraborty	Bengali	Quest Vol.-III	2020	978-93-83360-55-0
10	Loksahtyer Aloker "Padma Nadir Majhi"	Sripati Pramanik	Bengali	Quest Vol.-III	2020	978-93-83360-55-0
11	Indian Railway and its contribution towards Indian economy	Biswajit Panda	Commerce	Quest Vol.-III	2020	978-93-83360-55-0



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12	Financial Inclusion in India- A Review	Sukumar Sadhukhan	Commerce	Quest Vol.-III	2020	978-93-83360-55-0
13	Horrority: A sense of Atopia in Modern Horror Films and Tv Shows	Animesh Bag	English	Quest Vol.-III	2020	978-93-83360-55-0
14	Dalit Identity: A Reading of Meena Kandasamy's Poetry	Soumana Biswas	English	Quest Vol.-III	2020	978-93-83360-55-0
15	History of Venereal Diseases: With special refrence to Syhilis	Sreyashi Sarkar	History	Quest Vol.-III	2020	978-93-83360-55-0
16	Some Aspects of Progressive Cultural Movement in Bengal(1943-1964)	Sucharita Sengupta	History	Quest Vol.-III	2020	978-93-83360-55-0
17	Loop Semi variant Optimization	Asgar Ali	Statistics	Quest Vol.-III	2020	978-93-83360-55-0
18	Cartography in Early Colonial India(1764-1777): The Works of James Rennell	Deblina Biswas	History	Historical Essays in Memory of Professor Subhasis Biswas: Themes in Science, Technology, Environment and Medicine.	2021	978-81-948637-2-4
19	Sexually Transmitted Disease and Health of the Prostitute: An Early Twentieth Century Scenario in Bengal 1900-1950	Sreyashi Sarkar	History	Health has a History Revising Bengal	2021	978-93-93548-03-0
20	Education Empowerment in Colonial India: A Contribution of Savitribai Phule	Bidya Ratan Tikader	Sociology	Women From Tradition to Modernity	2021	978-93-90692-26-2
21	Application of Fuzzy Set Theory in Social Science Research: An Example	Ramkrishna Prasad Chakraborty	Principal	Quest Vol.-IV	July, 2022	978-81-934366-3-9
22	Coheshontotto O 'Harbart' Uponyasher Shailibichar	Anunoy Chatterjee	Bengali	Quest Vol.-IV	July, 2022	978-81-934366-3-9





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23	Bangla sangbadpatrer samprotik bhasha-boishisto	Anunoy Chatterjee	Bengali	Bangla Sahitya: Desh, Kal O Samajer Prekshite	2022	978-93-92110-48-1
24	Samprotik Bangla Bigyaponer Bhasha	Anunoy Chatterjee	Bengali	Probohoman Banglacharcha	2022	978-93-5777-181-8
25	Bangalir Ramayan	Putul Chakraborty	Bengali	Quest Vol.-IV	July, 2022	978-81-934366-3-9
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27	Rethinking Third Theatre: A Bridge Between Epic Theatre and Theatre of the Oppressed	Deepro Majumder	Economics	Quest Vol.-IV	July, 2022	978-81-934366-3-9
28	Digital Divide and Education in India: Experiences during COVID-19 Pandemic Period	Madhurima Koley	Economics	Impact of COVID-19 on Education, Entertainment and Engagement	2022	978-93-92927-09-6
29	State Finances and Fiscal Decentralization in India: Changing Trends	Madhurima Koley	Economics	Quest Vol.-IV	July, 2022	978-81-934366-3-9
30	Jyotirao Phule, Barna Chetana, Juktibad o tar Bhabdarshan	Animesh Bag	English	Dalit Sahitya Charcha	2022	978-93-90621-22-4
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34	Contributions of the Orientalists: Inscribing a New 'Public sphere' in Colonial Bengal (1800-1830)	Deblina Biswas	History	Situations and Contexts: Narratives in Nineteenth Century Bengal	2022	978-81-955317-1-4
35	Law & Prostitution in Post Independence India	Sreyashi Sarkar	History	Quest Vol.-IV	July, 2022	978-81-934366-3-9
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38	Covid-19 Pandemic Domination in Rurality: A Psycho-social Effect	Bidya Ratan Tikader	Sociology	South Asia and Covid-19 Challenges and Way Out	July, 2022	978-93-91908-62-1
39	Badsahi Angti : Nam Bonam Bodnam	Anunoy Chatterjee	Bengali	Badsahi Angti Ekti Sahojpath	2023	978-93-94748-30-9
40	Intergenerational Transmission of Trauma and Memory in Reema Moudgil's Perfect Eight	Soumana Biswas	English	Memory and Trauma in Crisis Narratives	2023	9798393966331
41	Knowing The Country: Era of Warren Hastings	Deblina Biswas	History	Eshana 2	2023	978-81-961439-0-9




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List of Books published

SI No.	Title of chapter	Name of the author/s	Department	Name of Book	Year of publication	ISSN number
1	Numerical Methods	Nasima Munshi	Mathematics	Numerical Methods	June, 2022	978-81-959389-2-6

List of Book Chapters edited

SI No.	Title of chapter	Name of the author/s	Department	Name of Book	Year of publication	ISSN number
1	The Perverse Politics : Gender, Sexuality & Empire in Ghosh's Ibis Trilogy	Animesh Bag	English	The World of Amitav Ghosh: Blending Aesthetics with Politics	2020	978-81-943009-4-6

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SI No.	Name of the author/s	Department	Name of Book	Year of publication	ISSN number
1	Dr. Ramkrishna Prasad Chakraborty & Dr. Nasima Munshi	Principal, Mathematics	QUEST Vol-III	2020	978-93-83360-55-0
2	Dr. Ramkrishna Prasad Chakraborty, Dr. Anunoy Chatterjee & Dr. Animesh Bag	Principal, Bengali, English	QUEST Vol-IV	2022, July	978-81-934366-3-9



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List of papers published in Conference proceeding

Sl No.	Title of Paper	Name of the author/s	Department	Name of Conference Proceeding	Year of publication	ISSN number
1	A Gamification Model for Online Learning Platform	Rituparna Pal	Computer Science	Emerging Technologies in Data Mining And Information Security	2020	978-981-33-4367-2
2	Impact of ICT Services on the Empowerment of Tribal Women Community: A Socio-economic Analysis	Bidya Ratan Tikader	Sociology	Impact Of Race, Caste, Class & Religion on Indian & International Society	July, 2021	2278-9308
3	A Gamification Architecture for Online Learning Platform Using Neural Network	Rituparna Pal	Computer Science	Data Management, Analytics & Innovation	2022	978-981-19-2600-6



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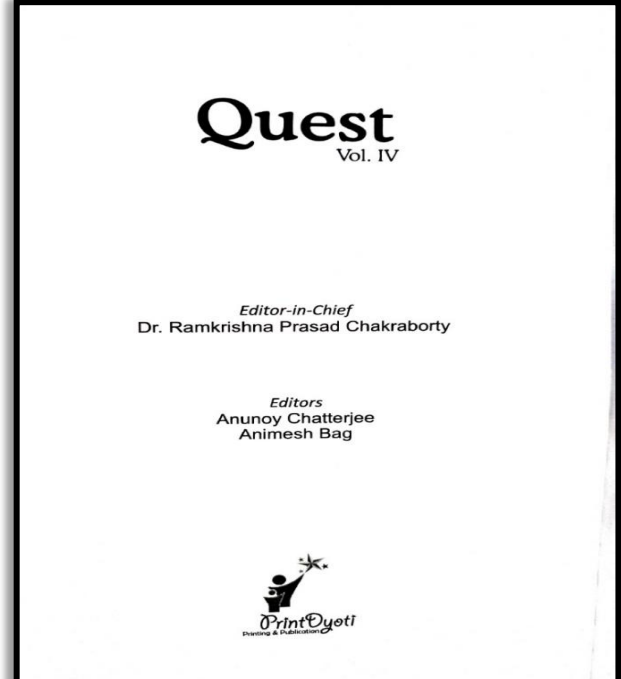
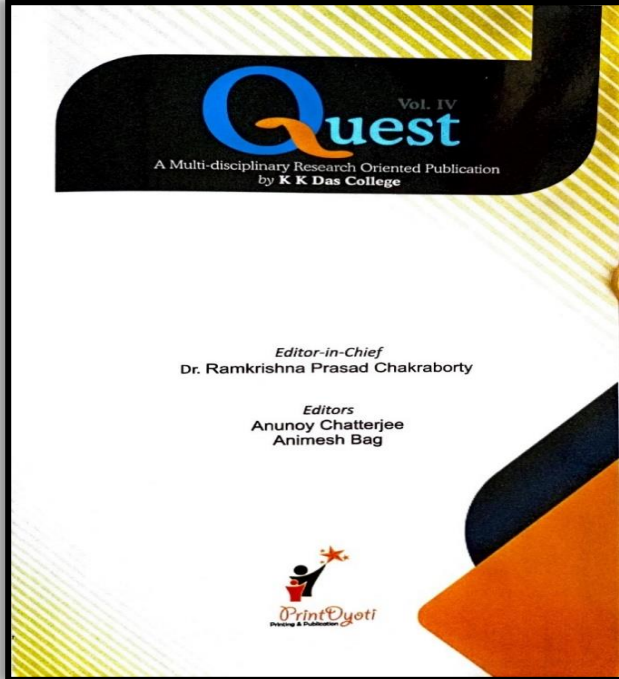
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APPLICATION OF FUZZY SET THEORY IN SOCIAL SCIENCE RESEARCH : AN EXAMPLE

Dr. Ramkrishna Prasad Chakraborty *
Dr. Jyoti Prakash Chatterjee **

The most attractive dimension of all social sciences, perhaps, lies in the vagueness of their concepts. Indeed it is very difficult, if not impossible, to define these concepts with full precision and certainty. This is not a matter of inability of the social scientists or the weakness of their knowledge base and imaginative capacity; rather the concepts themselves are too fluid and subtle to be assigned any fix limit and boundary. As Paul Lazarsfeld (1972) remarks in his celebrated work *Qualitative Methods*,

All the social sciences deal with concepts that seem to have a certain vagueness. Who can precisely say what a folk society is? Who has not read many discussions as to the real meaning of public opinion? Who can, in practice, recognize an extrovert personality? ...' (P.1)

Such a situation also poses great challenge to the social scientists across the disciplines. There have been serious and severe attempts on their part to perceive such social reality, which is not only multi-dimensional but also full of paradox and ambivalence. To understand the reality, as it is, a host of methodologies came up having considerable difference in their respective approaches to study society and its institutions. In spite of the very best of their efforts these land on a perception of social reality through categories. Categorization of these sorts in most of the cases assumes the form of dichotomies. Minority versus majority, core versus periphery, rich versus poor, high versus low, public versus private, global versus local etc. are only a few examples of these. Such

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মূল্য : ২৯৯ টাকা



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অনুন্নয় চট্টোপাধ্যায়

তিনি যেন ভাষা স্বর্ষে জ্যোতিস্বামী, ...নানা দেশের শব্দমহলে, এমনকি তার
প্রেতলোকের হৃৎকন্দ জানেন তিনি, প্রমাণে অনুমানে মিলিয়ে তার শব্দ দিতে পারেন
সুস্বপ্ন প্রদীপ্তে। ...যে প্রাচীন প্রাকৃতের সঙ্গে বাংলা প্রাকৃতের নিকটস্বপ্ন তার
রক্তচুম্বিত আমাদের স্বরবর্ণগুলি জন্মান্তরে কী রকম লীলা করে এসেছে তার অনুসরণ
করে এলে অপভ্রংশের কতকগুলি বীধা রীতি হয়তো পাওয়া যেতে পারে। কিন্তু সে পথের
পথিক আমি নই। শব্দ নিতে হলে যেতে হবে সুনীতিকুমারের ঘরে।

বঙ্গ রবীন্দ্রনাথ। তাঁর কাছে তাঁর সময়ে দেশের সবচেয়ে নির্ভরযোগ্য ভাষাতাত্ত্বিক। স্বয়ং
ভাষার নটরাজের কাছে যিনি ভাষার আচার্য, সেই পর্বতপ্রমাণ পাণ্ডিত্য আর মহাসাপরীষ মেধার
অধিকারী সুনীতিকুমারের ভাষাচার্য সামগ্রিক মূল্যায়ন একটা প্রবন্ধে অসম্ভব, তা দাবি করে
হয় গবেষণার। আমরা শুধু দিতে পারি সামান্য বৌদ্ধববর, বাস্তবতে পারি কিঞ্চিৎ
ফলকিকত্ব—যাতে করে সুনীতিকুমারের ভাষা-ভাবনা ও তাঁর কাজের মূল্যায়ন সম্পর্কে
পঠকের একটা মোটামুটি স্বচ্ছ ধারণা হতে পারে।

২.

ভাষাতত্ত্বের যে সব বিষয় নিয়ে সুনীতিকুমার সারা জীবন কাজ করেছিলেন, তার মধ্যে
নিঃসন্দেহে অগ্রগণ্য ফনিতত্ত্ব আর ভাষার ইতিহাস চর্চা। আসলে কলকাতা বিশ্ববিদ্যালয়ের
ইতিহাস এম. এ ক্লাসের ছাত্র থাকাকালীনই ভারতীয় আর্থভাষার ইতিহাস ও ফনিতত্ত্বের প্রতি
আকৃষ্ট হয়েছিলেন। 'The Sounds of Modern Bengali' নিয়ে কাজ করেই ১৯১৮-এ
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স্ট্রোলেশিপ নিয়ে বিলেত যান। লন্ডন বিশ্ববিদ্যালয়ের স্কুল অব ওরিয়েন্টাল স্টাডিজ-এ গবেষণা
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ও ক্রমবিকাশ নিয়ে কাজ করে পেন্সন ডি.লিট। জোল ছাড়াও এফ টমাস, রবিন ক্রপওয়ার,

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প্রবহমান বাংলাচর্চা ৩

নির্বাচিত গবেষণাধর্মী প্রবন্ধ সংকলন
প্রবহমান বাংলাচর্চা'র চতুর্থ আন্তর্জাতিক আলোচনাচক্রে উপস্থাপিত
বিশেষজ্ঞ শংসায়িত নিবন্ধাবলি

সম্পাদক

সনৎকুমার নস্কর

সম্পাদকমণ্ডলী

অধ্যাপিকা অপরীয়া রায়
অধ্যাপিকা মুনমুন গঙ্গোপাধ্যায়
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অধ্যাপক শুভঙ্কর রায়
অধ্যাপক সাইফুল্লা

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অধ্যাপক স্বপনকুমার আশ
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শ্রী দেবব্রত চক্রবর্তী
শ্রী প্রণব নস্কর
শ্রী সোমাজন মণ্ডল



বারনইপুর, কলকাতা - ৭০০ ১৪৪

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প্রবহমান বাংলাচর্চা ৩

নির্বাচিত গবেষণাধর্মী প্রবন্ধ সংকলন
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বিশেষজ্ঞ শংসায়িত নিবন্ধাবলি

প্রথম প্রকাশ : ৫ জানুয়ারি, ২০১৯

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অক্ষর সংস্থাপন ও মুদ্রণ : অনন্যা
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অনুনয় চট্টোপাধ্যায়

১৭৪৩-এ এক পোড়শগিজ পাদরির হাত ধরে যে-বাংলা ব্যাকরণের সূত্রপাত, তারপর দীর্ঘ আড়াইশো বছরেরও বেশি সময় ধরে ব্যাকরণের সেই ধারা বিভিন্ন খাতে বয়ে চলেছে এবং আজও চলছে। এই দীর্ঘ ইতিহাসের দলিল ঘাঁটতে গেলে আমরা কখনও যেমন পাব বিদেশিদের লেখা বাংলা ব্যাকরণ, তেমনি আবার কখনও পাব দেশীয় বৈয়াকরণদের লেখা সংস্কৃত-অনুসারী ব্যাকরণ। কখনও আবার বাংলার নিজস্ব ব্যাকরণ রচনার প্রচেষ্টাও আমাদের নজরে আসবে। বাংলা ব্যাকরণ লেখার পেছনে কখনও উদ্দেশ্য ছিল ধর্মপ্রচার আর শাসনকার্যে ইউরোপীয়দের সহায়তা করা, আবার কখনও উদ্দেশ্য ছিল দেশীয় ছাত্রদের জন্য পাঠ্যপুস্তক প্রণয়নের চাহিদা অনুভব করা। দীর্ঘদিনের সংস্কৃত-আধিপত্য থেকে মুক্ত করে বাংলা ভাষার নিজস্ব বৈশিষ্ট্যের ওপর ভিত্তি করে তার নিজস্ব ব্যাকরণ নির্মিত হওয়া উচিত - কখনও বা এই উদ্দেশ্যেও বাংলা ব্যাকরণ রচিত ও চর্চিত হয়েছে।

আর এহেন বাংলা ব্যাকরণের অন্যতম গুরুত্বপূর্ণ অংশ কারক। আবার গোলমালেও বটে। কারকের ধারণা নিয়ে গড়ে উঠেছে নানা বিতর্ক, তৈরি হয়েছে বিভিন্ন ধোঁয়াশা। কেউ যেমন বাংলা ব্যাকরণ নিয়ে লেখা প্রবন্ধে কারক সম্পর্কে খুবই গুরুত্বপূর্ণ কথা বলেছেন, কেউ কেউ আবার কারক নিয়েই আস্ত একটা প্রবন্ধ লিখে ফেলেছেন। প্রথাগত আলোচনার পাশাপাশি মিলেছে বেশ কিছু অভিনব চিন্তন। আঠারো শতকের আনুসঙ্গিক বা হ্যাগলেড থেকে শুরু করে উনিশ শতক জুড়ে কেঁরি, বিমস, রামমোহন বা শ্যামাচরণ প্রমুখের ব্যাকরণ-চর্চায় কারক আলোচিত হয়েছে। তবে বর্তমান প্রবন্ধে আমরা কেবল বিশ শতককেই আমাদের আলোচনার ক্ষেত্র হিসেবে বেছে নিয়েছি। এর কারণ মোটামুটি দ্বিবিধ। প্রথমত সীমিত পরিসরের জন্য আলোচনার বিস্তৃতিতে রোধ করা এবং দ্বিতীয়ত বিশ শতকের গোড়া থেকেই বাংলার নিজস্ব ব্যাকরণ তৈরির নতুন প্রবণতা পরিলক্ষিত হয় ও বাংলা কারককেও নতুন দৃষ্টিতে দেখার প্রচেষ্টা শুরু হয়।

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বিশ শতকের একেবারে গোড়া থেকে সংগঠিতভাবে সংস্কৃত ব্যাকরণের বেড়াঙ্কল ছিল করে বাংলার নিজস্ব ব্যাকরণ রচনার যে প্রক্রিয়া শুরু হয়েছিল, তার বীজ নিহিত ছিল ১৮৭৭ সালে 'The Calcutta Review' পত্রিকায় প্রকাশিত শ্যামাচরণ গঙ্গোপাধ্যায়ের একটি প্রবন্ধে। কথাবাংলার ব্যাকরণ তথা বৈশিষ্ট্য সম্পর্কে বলতে গিয়ে বাংলা কারক




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সনৎকুমার নস্কর

ইউনাইটেড বুক এজেন্সি

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সুনীল গঙ্গোপাধ্যায়ের 'স্মৃতির শহর' (১৫ সংখ্যক কবিতা) অনুনয় চট্টোপাধ্যায়

বিশ শতকের দ্বিতীয়ার্ধে বাংলা কবিতার ধারায় সুনীল গঙ্গোপাধ্যায়ের উপস্থিতি অত্যন্ত সশব্দ ও সর্বব্যাপ্ত। তিনি যে শুধু ব্যক্তিগতভাবে কবি ছিলেন তাই নয়, তৎকালীন বাংলা কবিতা সার্বিকভাবে কোন পথে কোন ভাবে চলেবে, সেই যুগলক্ষণ চিহ্নিত করাটাকেও মুখ্য ভূমিকা হিসেবে গ্রহণ করেছিলেন। মাত্র উনিশ বছর বয়সেই আরও দুজন কবিবন্ধুর সঙ্গে মিলে সম্পাদনা শুরু করেন 'কুন্তিবাস' পত্রিকা। কুন্তিবাস সংকলনের ভূমিকায় সুনীল নিজেই স্পষ্ট করে দেন তাঁদের নতুন কাব্যাদর্শের মূলকথা। কবির নিজের ভাষায় এই নতুন ধরনের কবিতা আসলে 'স্বীকারোক্তিমূলক কবিতা'। এই কবিতা শুধু 'সৌন্দর্যের নির্মাণ' বা 'রূপকল্পের সন্ধান' নয়, এই নতুন কবিতা কবিদের 'জীবনযাপনের সঙ্গে আঁটপৃষ্ঠে জড়িত'। বাংলা কবিতায় সুনীল গঙ্গোপাধ্যায় শক্তি চট্টোপাধ্যায় প্রমুখেরা কুন্তিবাস-কে কেন্দ্র করে এক অভিনব দৃষ্টিভঙ্গির সূত্রপাত ঘটান। সেখানে কবিতার ভাষা হল মানুষের মুখের ভাবার কাছাকাছি, ছন্দ হল বন্ধনহীন, চিত্রকল্প উঠে এল প্রাত্যহিক যাপন থেকে। এই নতুন কবিতা হল 'সর্বভুক কবিতা'। প্রেমের সঙ্গে ঘৃণা, সুন্দরের সঙ্গে কুৎসিত, আলোর সঙ্গে অন্ধকার, মনের সঙ্গে দেহ, অন্তর্লোকের অস্তিত্বের সঙ্গে বহির্লোকের বাস্তব—সবকিছুই ঠাই পেলে এই নতুন যুগের নতুন ধরনের কবিতায়।

যে কোনও কবির মতেই সুনীলের কবিসত্তাও ধীরে ধীরে বিকশিত হয়েছে। ধারণ করেছে এক নিজস্ব ঘরানা। আমাদের মনে রাখতে হবে, প্রথম যৌবনেই এক বাঙালি কবি চলে যাচ্ছেন মার্কিন মুলুকে, আইওয়া-তে থাকাকালীন পরিচিত হচ্ছেন সারা পৃথিবীর সমসাময়িক কবিদের সঙ্গে, কবিতার সঙ্গে। জীবনানন্দ দাশ থেকে বুদ্ধদেব বসুর আধুনিক কবিতা যেমন সুনীল গোপ্রাসে গিলেছেন, তেমনই সেই পূর্বসূরীদের প্রভাবেই পরিচিত হয়েছেন এলিয়ট, বোদলেয়ার, রিলকে, মালার্মের সঙ্গে। এর সঙ্গে মিশে গেছে নিজস্ব জীবনবোধ ও দর্শন। তাঁর প্রথম কাব্যগ্রন্থ 'একা এবং কয়েকজন' (১৯৫৭) থেকেই প্রকাশিত হতে থাকে নিজস্ব কবিতাবোধ, সোচ্চার স্বীকারোক্তি। দ্বিতীয় কাব্যগ্রন্থ 'আমি কীরকম ভাবে বেঁচে আছি' (১৯৬৬)-তে আরও নিবিড় হয়ে দেখা দেয় তাঁর অস্তিত্বের অনুসন্ধান। পরবর্তীকালে সুনীল তাঁর কবিমানসী নীরাকে নিয়ে একাধিক কাব্যগ্রন্থ লিখবেন ঠিকই, কিন্তু তাঁর উল্লেখ্য আমরা প্রথম পাই এই কাব্যগ্রন্থেই। কবির অন্যান্য উল্লেখযোগ্য কাব্যগ্রন্থ—'বন্দী, জেগে আছো' (১৯৬৮), 'আমার স্বপ্ন'

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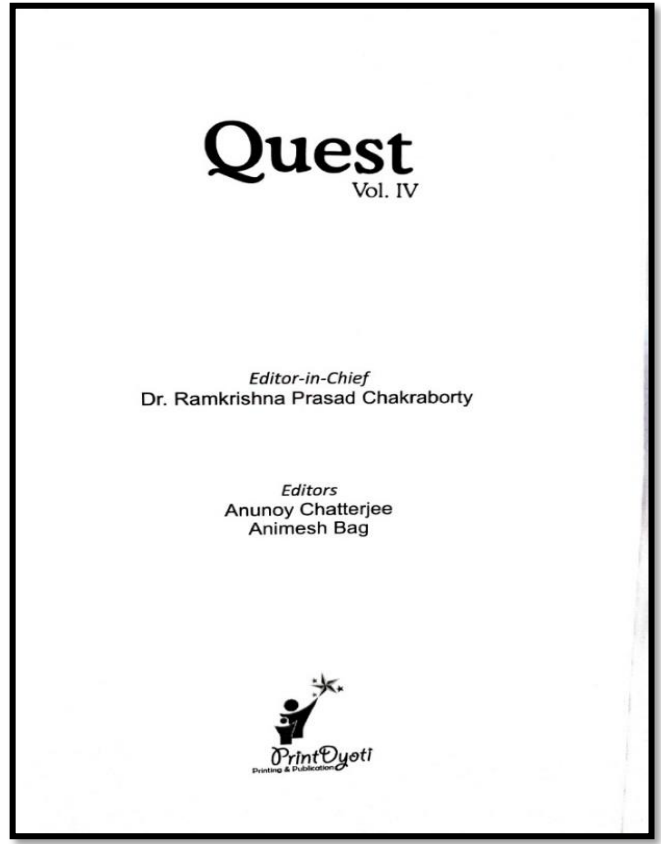
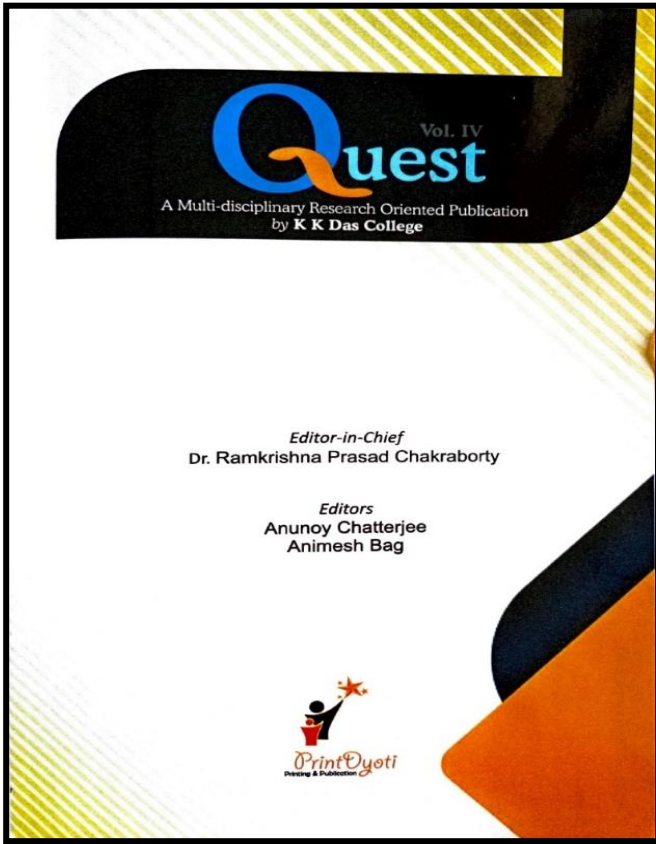
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কোহেশনতত্ত্ব ও 'হারবার্ট' উপন্যাসের শৈলীবিচার

ড. অনুন্নয় চট্টোপাধ্যায়

খ্রিস্টের জন্মের আগে থেকে যদিও ভাষাতত্ত্ব এবং সাহিত্য-সমালোচনা পথচলা শুরু করে, তবুও তাদের সহযাত্রী হয়ে ওঠার সূত্রপাত শতাব্দী-প্রাচীনও নয়। আর ভাষাতাত্ত্বিক সাহিত্য-সমালোচনায় যেমন ভাষাবাহন শিল্প হিসেবে সাহিত্যের ভাষার আলোচনা গুরুত্ব পায়, তেমনই গুরুত্ব পায় সাহিত্যের 'সুন্দর' হয়ে ওঠার নান্দনিক দিকটাও। আর এ দুয়ের যোগসূত্রেই জন্ম নেয় শৈলীবিজ্ঞান (Stylistics)।

"Style being a relation concept, the aim of literary stylistics is to be relational in a more interesting sense to relate the critic's concern of aesthetic appreciation with the linguist's concern of linguistic description." (Leech & Short, 1995:13)

শৈলীর বস্তুনিষ্ঠ আলোচনাই যদি হয় শৈলীবিজ্ঞান, তবে প্রশ্ন ওঠে শৈলী কাকে বলব? উইলিয়ম কেব্রির অভিধানে আছে, 'A contrivance on easy method of doing things.'। হরিচরণ বন্দ্যোপাধ্যায়ের 'বঙ্গীয় শব্দকোষ'-এ শৈলী শব্দটি গৃহীত হয়েছে শীল, স্বভাব, প্রজ্ঞাপ্তি, সঙ্কেত, ভেদ অর্থে। আবার জ্ঞানেন্দ্রমোহন দাসের 'বাঙ্গালা ভাষার অভিধান'-এ শৈলী শব্দের অর্থ করা হয়েছে – সজ্জাব, সদ্ভাবহার, রচনাকৌশল, রচনারীতি বা ধারা। এই রচনাকৌশল অর্থেই 'Stylistik' শব্দটির ব্যবহার ১৮৪৬ সালে প্রচলিত অক্সফোর্ড ইংরেজি অভিধানে পাওয়া যায়। অন্যদিকে রূপ ও ভাবব্যঞ্জক অর্থে 'Stylistique' শব্দটি ফরাসি সাহিত্যের অভিধানে স্থান পায় ১৮৭২ সালে। (মজুমদার, ২০০৭: ১০-১১)

আভিধানিক অর্থের এই বিবিধ গণ্ডি ভেদ করেই শৈলী বা 'স্টাইল' আমাদের দৈনন্দিন জীবনের সঙ্গে জড়িয়ে গিয়েছে। সাহিত্যের রচনারীতি ছাড়িয়ে সাধারণ লেখালিখিতে এমনকি দৈনন্দিন কথাবার্তার ভাষায় ব্যাপ্ত হয়েছে। স্থাপত্য, ভাস্কর্য, চিত্রকলা, পোশাক, খেলাধুলো প্রভৃতির ধরন বা সৌন্দর্য বর্ণনা করার ক্ষেত্রে শৈলী-র প্রয়োগ আজ প্রচলিত। আমাদের জীবন-ধারণ সার্বিকভাবেই হয়ে উঠেছে 'লাইফ-স্টাইল'। কিন্তু শৈলীবিজ্ঞান তথা স্টাইলিস্টিক্স পেয়েছে একবিশেষ অর্থ-প্রতীতি।

"...the term stylistics has been applied to critical procedure which undertake to replace what is said to be the subjectivity and

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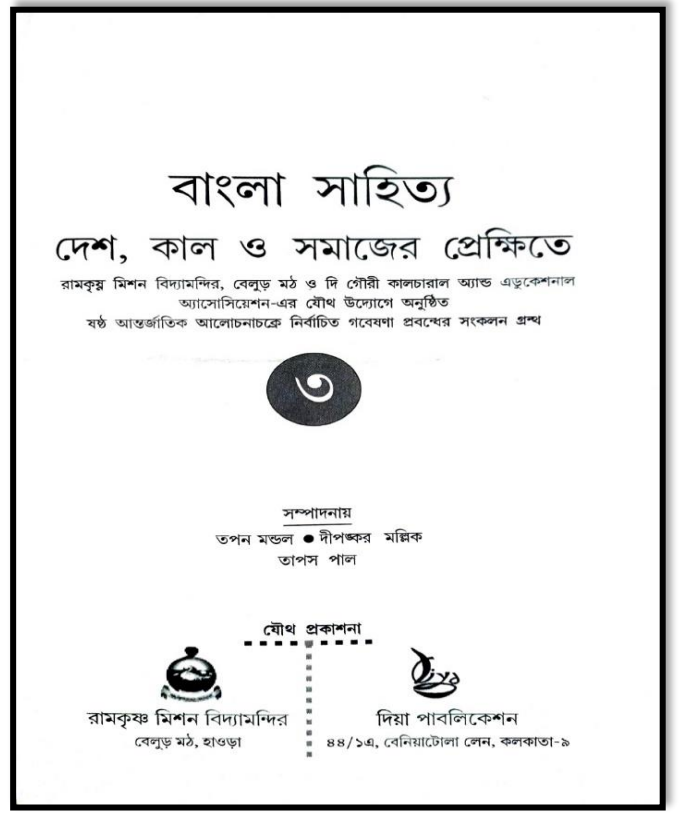
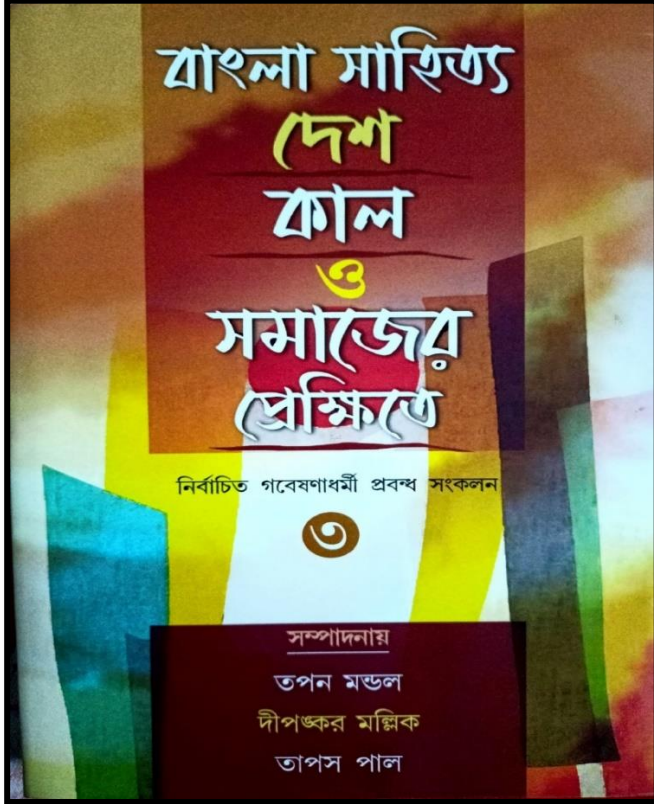
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জজয় পাইন

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সমাজ-সংস্কৃতি-শিল্প

মোঘল ও রাজপুত শিল্পে কল্পকথার ক্রমবিকাশ

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বলরাম দাস

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‘সংবাদপত্র’ শব্দটি বাঙালির কলমে বা কি-বোর্ডে টিকে থাকলেও জিহ্বায় প্রায় অস্তিত্বহীন। সেই জায়গায় ‘নিউজ পেপার’ এবং ‘খবরের কাগজ’ অনেক বেশি পরিচিত। যে-নামেই ডাকি না কেন তার ভাষা নিয়ে কথা বলতে গেলে এই বদলে যাওয়া ভাষার কথা প্রথমেই মাথায় রাখতে হয়। খবরের কাগজের ভাষাকে কালের বিবর্তনের সঙ্গে সঙ্গে গ্রহণযোগ্যতা ধরে রেখে বৃহত্তর পাঠকের সঙ্গে কমিউনিকেট করার তাগিদে বিবর্তিত হতে হয়েছে। কেননা, সমাজের সব স্তরের মানুষের কাছে তার আবেদন। তাই স্বাভাবিকভাবেই তার ভাষা হয় সহজ-সরল-বোধগম্য-সর্বজনগ্রাহ্য। অক্ষর পরিচয় এবং তার সঙ্গে ন্যূনতম শিক্ষা ও সাধারণ বোধবুদ্ধি থাকলেই একজন মানুষ খবরের কাগজ পড়ে যেন তার অর্থ উদ্ভাৱ করতে পারে—এটাই প্রধানতম শর্ত। খবরের কাগজের চালু লজ্জ অনুযায়ী লেখা দ্বিবিধ—খবর বা নিউজ আর মতামত বা ভিউজ। বর্তমান আলোচনায় আমরা সংবাদপত্রের ভাষা বলতে মূলত খবরের ভাষাকে বোঝাতে চেয়েছি। অর্থাৎ সম্পাদকীয় পাতার সম্পাদকীয় কলাম, উত্তর-সম্পাদকীয় নিবন্ধ, পাঠকের মতামত বা চিঠিপত্র ইত্যাদি এবং প্রায় গোটা কাগজ জুড়ে থাকা বিজ্ঞাপনের ভাষাকে আলোচনার বাইরে রাখা হয়েছে। বিভিন্ন পাতা জুড়ে সজ্জিত বিভিন্ন বিষয়ের রিপোর্ট বা স্টোরি যেমন—রাজ্য বা দেশের সাধারণ ঘটনার খবর, বিনোদন বা সংস্কৃতির খবর, রাজনীতির খবর, খেলার খবর—এই সবকিছুর ভাষাই হবে আমাদের আলোচ্য।

বর্তমানে ডিজিটাল মাধ্যমে বা ইন্টারনেটের মাধ্যমেই খবর পড়া সম্ভব, ছাপার অক্ষরে তার চাহিদা ক্রমশ কমছে, সেখানে দাঁড়িয়ে দেখা যায় তার ভাষা যেন আরও লঘু থেকে লঘুতর হয়ে উঠেছে। অল্প সময়ে নেট দুনিয়ার পাঠকের কাছে পৌঁছানোর তাগিদে থেকে যাচ্ছে বানান ভুল, টাইপিং-এর ভুল, ভুলে ভরা স্তবক বিন্যাস বা বাক্য গঠন। কিন্তু কিছুদিন আগেও যখন শুধুই ছাপার অক্ষরে প্রকাশিত সংবাদপত্রই ছিল একমাত্র ভরসা, তখন সেখানে কিছু এ-ধরনের ভুলের অবকাশ প্রায় ছিল না। যত্ন সহকারে প্রুফ দেখা হত, শব্দ চয়ন ছিল যথাযথ ও যুক্তিসংগত, বস্তু্য বিষয়ের উপস্থাপন ছিল সংগতিপূর্ণ।

এই কাজটি করার জন্য আমরা সাম্প্রতিককালের বেশ কয়েকটি দৈনন্দিন পত্রিকায় প্রকাশিত একাধিক খবরের মধ্যে থাক কিছু সাধারণ ভাষা-বৈশিষ্ট্য। বক্ষ্যমান নিবন্ধে সংবাদপত্রে ভাষার বিশেষত্ব অনুসন্ধানের চেষ্টা করেছি। বাংলা খবরের কাগজের মধ্যে মূলত আনন্দবাজার পত্রিকা

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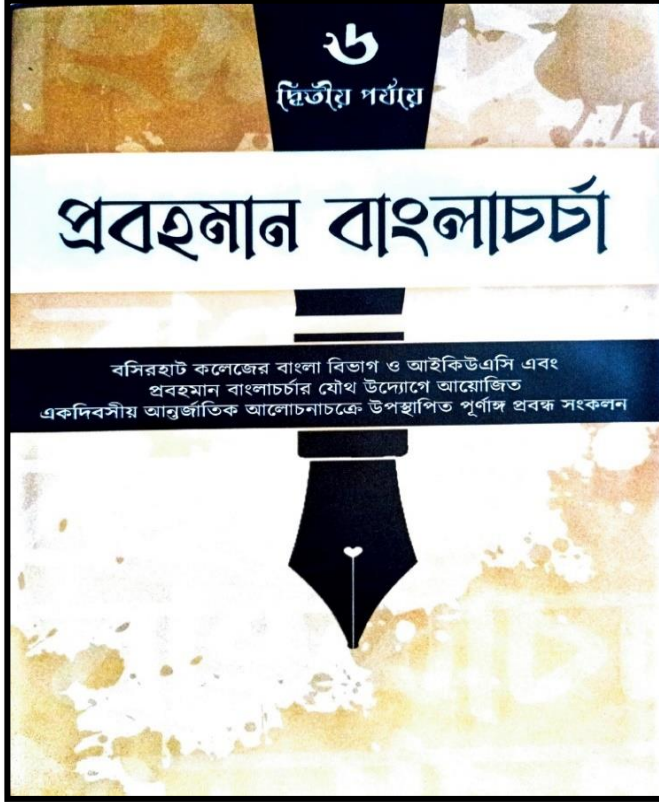
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প্রবহমান বাংলাচর্চা ৬

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বিশেষজ্ঞ শংসায়িত নিবন্ধাবলি

সম্পাদনা

সনৎকুমার নস্কর

সম্পাদনা সহযোগী

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ধনেশ্বর দাস

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সাম্প্রতিক বাংলা বিজ্ঞাপনের ভাষা অনুনয় চট্টোপাধ্যায়

বিজ্ঞাপন-এর ইংরেজি প্রতিশব্দ advertisement এসেছে লাতিন advertere থেকে যার অর্থ turn towards অর্থাৎ কোনো ব্যক্তির মনোযোগ বিশেষ দিকে আকর্ষণ করা। বিজ্ঞাপনের সাধারণ লক্ষ্য হল কোনো প্রতিষ্ঠান বা ব্যক্তির লাভের উদ্দেশ্যে ক্রেতা বা ভোক্তার মনে কোনো পণ্য বা পরিষেবা সম্পর্কে ভাবনাগত পরিবর্তন আনা। আর মাধ্যম হিসেবে গণমাধ্যমের বিভিন্ন দিক যেমন সংবাদপত্র, রেডিও, টেলিভিশন, ম্যাগাজিন, হোর্ডিং, পোস্টার বা লিফলেট প্রভৃতিকে এক্ষেত্রে ব্যবহার করা হয়। বিজ্ঞাপনের ইতিহাস দীর্ঘ হলেও মূলত শিল্প বিপ্লবের পর এবং গণমাধ্যমের বিকাশের সঙ্গে সঙ্গে বিজ্ঞাপনের গুরুত্ব বাড়তে থাকে। কেননা ভোগ্যপণ্যের উৎপাদন, চাহিদা, নির্মাণ ও বিক্রি অর্থাৎ প্রতিযোগিতামূলক বাজারে বিজ্ঞাপন অত্যন্ত প্রয়োজনীয় হয়ে ওঠে। আর বিশেষ করে গত কয়েক দশকে উদার অর্থনীতি, পুঁজিবাদী বাজার ও বিশ্বায়নের ধাক্কায় পূর্বের 'produce or perish' শ্লোগান বদলে যেন অপ্রতিরোধ্য হয়ে ওঠে 'advertise or perish'-এর ধারণা।

বর্তমান নিবন্ধের মূল বিষয়ে প্রবেশের পূর্বে বিজ্ঞাপনের বিবিধ ধরন বা প্রকার নিয়ে কিঞ্চিৎ বলা জরুরি। প্রকাশ মাধ্যমের উপর ভিত্তি করে বিজ্ঞাপন তিন রকম। ইলেকট্রনিক মিডিয়ায় প্রকাশিত (যেমন টিভি, রেডিও, ইউটিউব, ফেসবুক, সিনেমা হল প্রভৃতি মাধ্যমে প্রকাশিত বিজ্ঞাপন), প্রিন্ট মিডিয়ায় প্রকাশিত (সংবাদপত্র, ম্যাগাজিন, লিফলেট প্রভৃতি মাধ্যমে প্রকাশিত বিজ্ঞাপন), আউটডোর মিডিয়া (হকারের কথা, দেওয়াল লিখন, হোর্ডিং, ব্যানার ইত্যাদি)। আবার বিজ্ঞাপন নির্মাণের উদ্দেশ্যের নিরিখে বাণিজ্যিক (যেকোনো পণ্য বা পরিষেবা) ও অবাণিজ্যিক যেমন সচেতনতামূলক (যেমন দূষণ বিরোধী, জনস্বাস্থ্য প্রভৃতি), প্রচারমূলক (যেমন রাজনৈতিক দল বা সরকারি প্রকল্পের বিজ্ঞাপন), বা নিছক সংযোগ বা জ্ঞাপনমূলক (যেমন পাত্রপাত্রী, মৃত্যুবাণিজ্য প্রভৃতি) হতে পারে। আর বিষয়ের দিক থেকে খাদ্যসামগ্রী, স্বাস্থ্য-সুরক্ষা-রূপচর্চা, নির্মাণসামগ্রী বা রিয়েল এস্টেট, ইলেকট্রনিক সামগ্রী, অনলাইন পরিষেবা (শিক্ষা, ভ্রমণ বা ই-কমার্স) প্রভৃতি ধরনের বিজ্ঞাপন আমরা প্রত্যক্ষ করি।



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অনন্য শঙ্কর দেবভূতি

বাদশাহী আংটি

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এপ্রিল, ২০২৩

প্রকাশক

দেবশিখর ভট্টাচার্য
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অতনু গাঙ্গুলী

বর্ণ সংস্থাপন

প্রিন্টম্যান্স
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বাদশাহী আংটি : নাম বনাম বদনাম অনুনয় চট্টোপাধ্যায়

নামে কী আসে যায়? গোলাপকে যে নামেই ডাকি না কেন তা সুবাসই বিলোবে। শেক্সপিয়রের এই প্রায় প্রবাদ হয়ে ওঠা কথনের অনেক আগেই এ-দেশে অবশ্য 'বৃক্ষ তোমার নাম কী?' এবং তার উত্তরস্বরূপ 'ফলে পরিচয়'-এর কথা আমরা শুনেছি। হ্যাঁ একথা ঠিক যে রবীন্দ্রনাথ ঠাকুর বা আলবার্ট আইনস্টাইন কেউই নিজেদের নামের জন্য নোবেল পুরস্কার পাননি। অন্য নাম হলে তাঁদের সামান্য ক্ষতিও হত না। কেবল ব্যক্তিমানুষের কথাই বা বলছি কেন। মানুষ ভালোবাসে বলেই তার পোষ্যদেরও পছন্দের নাম দেয়। নামের জন্য ভালোবাসে না। কিন্তু গাছপালা বা ব্যক্তিমানুষ বা মানবের প্রাণী তথা মানুষের পোষ্য জীবজন্তু — সকলেরই রয়েছে জীবন্ত বা প্রাকৃতিক সত্তা। কিন্তু শিল্প বা আর্ট প্রাকৃতিক নয়, তা মনুষ্য-নির্মিত। তাই এহেন নির্মিত বিষয়ের ক্ষেত্রে শেক্সপিয়রের পূর্বোক্ত বক্তব্যের সঙ্গে একমত হওয়ার দায় আমাদের থাকে না। শিল্পী প্রকৃতি বা বাহ্যজগৎকে প্রত্যক্ষ করেন, অনুকরণ করেন, ধারণ করেন, শিল্পে পুনরায় সৃজিত করেন। তাঁর নিজস্ব চেতনা বা কল্পনা বা অভিজ্ঞতা এই সৃজন প্রক্রিয়ায় মিশে থাকে। বস্তুজগৎ আর শিল্পের জগৎ এক নয়। তাই রবীন্দ্রনাথ বাস্তবের মা-এর কান্নার সঙ্গে সাহিত্যের মা-এর কান্নার মধ্যে তফাত করেন। বাজারের বা বাগানের প্রত্যক্ষ আপেলের সঙ্গে সেজানের আপেলের তফাত আছে বইকি। আর এই তফাত আছে বলেই শিল্পসাহিত্যের বেলায় নামে কী আসে যায়" বললে চলে না। শিল্পসাহিত্যে নামকরণ গুরুত্বপূর্ণ। একটা গল্পের দৃষ্টান্ত টেনে বলা যায়, মহেশের নাম অন্যকিছু হলেও গফুর তাকে ভালোবাসত এমন ভাবে সাহিত্য-জিজ্ঞাসুর চলবে না। ভারতের মতো দেশের এক হিন্দু অধ্যুষিত গ্রামীণ সমাজে এক দরিদ্র মুসলমান কৃষক যখন তার প্রাণাধিক প্রিয় পোষ্যের নাম রাখে মহেশ যেখানে পোষ্যটি গরু, মহেশ নামের অর্থ শিব, গরু এবং শিব দুইই হিন্দুদের দেবতা, এই নামের জন্য গফুরকে বিক্রপও শুনতে হয় - ইত্যাদি ভাবনা 'মহেশ' গল্পের নামকরণ-কেন্দ্রিক আলোচনায় চলে আসবে। এই দিক থেকেই বাস্তবের গোলাপের সঙ্গে গোলাপের ছবির তফাত করে শেক্সপিয়রের সঙ্গে ভিন্নমত হয়েছেন জনৈক পাশ্চাত্য তাত্ত্বিক। শিল্পকর্ম বা ইংরেজিতে যাকে বলে ওয়ার্ক অফ আর্ট-এর সঙ্গে মিশে থাকে ঐতিহ্য, সংস্কৃতি, উদ্দেশ্য, বাজনা, শৈলী প্রভৃতি এবং এই জন্যই গোলাপের সঙ্গে গোলাপের ছবিকে একাসনে বসানো যায় না। তাই যদি দুটো গোলাপের ছবির মধ্যে একটার নাম Rose of Summer হয় এবং অন্যটার নাম হয় Vermillion Womanhood, তবে তারা



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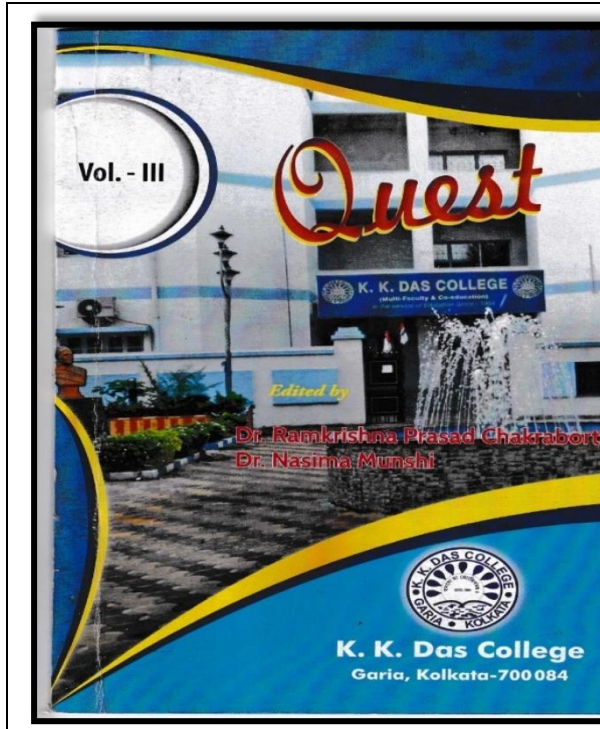
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কালকূট কি ছন্দ সমরেশ

পুতুল চক্রবর্তী*

উত্তর স্বাধীনতা পূর্বে বাংলা সাহিত্যের ধারায় সমরেশ বসু একজন বিশিষ্ট সাহিত্যিক। বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র ছাড়াও কিছুতিতুঘণ, তারশঙ্কর, মানিক বন্দ্যোপাধ্যায়—এরা জগৎ ও জীবনকে দেখার যে অভিজ্ঞতা সঞ্চার করেছিলেন—এসবই সমরেশ বসুর মানসপটে বিশেষভাবে রসসঞ্চার করেছিল। এই সঙ্গে শৈশবের নানা স্মৃতি বিজড়িত সিন্দূর, বয়ঃসন্ধিক্ষণের বিচিত্র অভিজ্ঞতা, যৌবনে জীবিকা সন্ধানের তিক্ত স্বাদ, শোষণহীন মানবসমাজ গঠনের স্বপ্ন ইত্যাদি সমস্ত কিছু মিলেমিশে তাঁর সাহিত্যিক জীবন গড়ে উঠেছিল। সাধারণ মানুষের মতো সমরেশ বসুও ছিলেন একজন সামাজিক মানুষ। কাজেই তাঁর সাহিত্যে ভিত্ত করেছেন—জেলমাটো, বস্তিবাসী, কারখানার শ্রমিক, পরিভ্রমিত নিমজ্জর, সমাজের নীচুস্তরের খেটেখাওয়া মানুষেরা।

মাত্র সত্তেরো আঠারো বছর বয়সে গৌরী নামে একটি মেয়ের প্রেমে পড়ে যান সমরেশ বসু। তখন থেকেই ঘর-সংসার শুরু হয় বস্তির অসুস্থ পরিবেশে এবং বৃঢ় কাঠের জীবনের সম্মুখীন হন তিনি। চারিদিকের জগৎ ও মানুষ সম্পর্কে তাঁর অভিজ্ঞতা আরো প্রকট হয়ে কমিউনিস্ট পার্টির সংস্পর্শে এসে, একথা তিনি নিজেই স্বীকার করেছেন। নৈহাটের আতপুর বস্তির অধিবাসী সমরেশ ছিলেন একজন সাধারণ শ্রমিক। সেখানে স্ত্রী ও চার শিশুসন্তানকে নিয়ে দৈনিক পাঁচসিকে মজুরীর উপর নির্ভর করে অসহায়ভাবে দিন কাটাতে হতো তাঁকে। তাঁর এই লড়াই মনোভাব শ্রমিকের আরো কাছাকাছি এনে দেয়। তিনি ট্রেড ইউনিয়নের সঙ্গে জড়িয়ে পড়েন, স্বাভাবিকভাবেই কমিউনিস্ট পার্টির সদস্য হন।

জীবনের গোড়ার পর্বেই রাজনীতি ও দারিদ্র্য নিয়ে নানা টানা পোড়েন চলতে থাকে সমরেশের মধ্যে। আর দারিদ্র্যের মধ্যে বসেই সমরেশ ও কালকূট দুই শিল্পীসত্তার বিকাশ ঘটে। 'গঙ্গা', 'বি.টি. রোডের ধারে' শ্রীমতী কাফের রচয়িতা সমরেশ সারোজ আচার্যের সঙ্গে ঘনিষ্ঠ হয়ে কমিউনিস্টকে তাঁর জীবনের শেষ সত্য বলে মনে করেন। আবার একই সময়ে 'অমৃত কুন্তের সন্ধান' লেখক ভারতীয় দর্শনের গভীরে প্রবেশ করেছিলেন। সমরেশকে জেলেও যেতে হয়েছিল আবার 'অমৃত কুন্তের সন্ধান'ও যেতে হয়েছিল। তাই জগৎদলের পাট শিল্পের ট্রেড ইউনিয়নের শ্রমিক শেষ পর্যন্ত সাহিত্যের মধ্যে পথ খুঁজে পান। মার্কসীয় শিক্ষা সমরেশকে এনে দিয়েছিল মানুষের আরো কাছাকাছি। জীবনের সঙ্গে জীবনের যোগসাদন, পর্যবেক্ষণ ও অভিজ্ঞতা তাঁর সাহিত্য কাঠামোকে করেছিল সুদৃঢ়। কাজেই আমরা দেখতে

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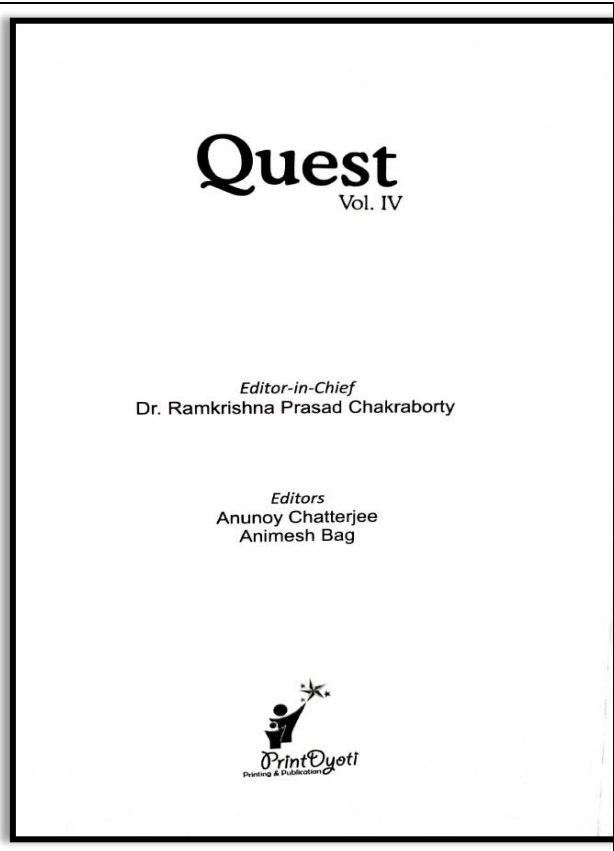
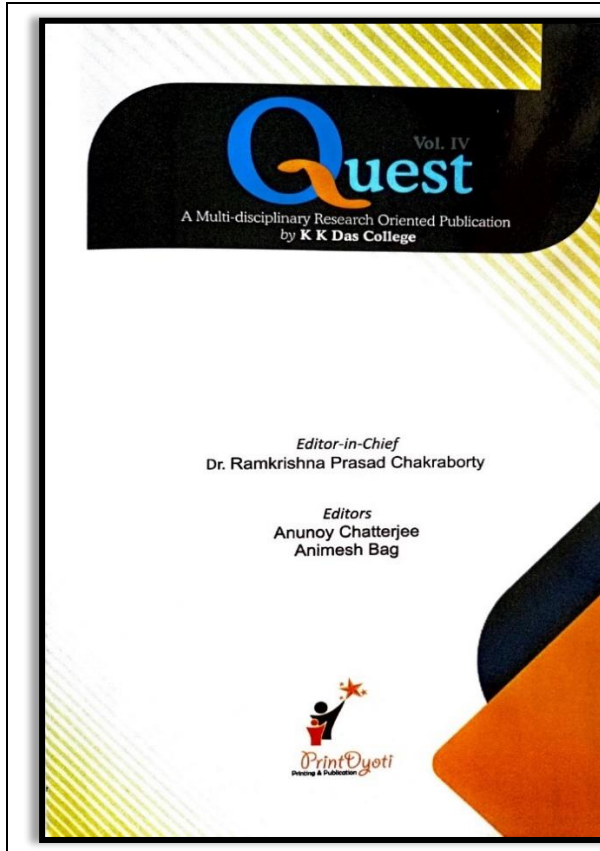
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বাঙালির রামায়ণ

ড. পুতুল চক্রবর্তী

প্রাচীন ও মধ্যযুগের বাংলা সাহিত্যের অজস্র রচনাধারার মধ্যে যে কাব্যটি আজও বাঙালির ঘরে ঘরে চর্চিত হয় সেটি হল 'কৃষ্ণিবাসী রামায়ণ'। এর আগে বাংলা ভাষায় না হলেও বাংলাদেশে রামায়ণ চর্চা ছিল। যেমন অভিনন্দ রচিত 'রামচরিত' কাব্য। সন্ধ্যাকর নন্দীও রামচরিত কাব্য লেখেন। রামায়ণের কাহিনী তখন গান, কথকতা, পাঁচালী আকারে প্রচলিত ছিল। কৃষ্ণিবাসের রামায়ণও পাঁচালী কিংবা গান হিসেবে গাওয়া হত। কৃষ্ণিবাসী রামায়ণ শ্রোতাদের সামনে আসলে গীত হত বলে শ্রোতাদের রুচি ও চাহিদার দিকে তাকিয়ে গায়কেরা নতুন নতুন বিষয় ও রসের অবতারণা করতেন – যা বাঙালিকে আকর্ষণ করত। তবে অনুবাদ সাহিত্যের অপর দুই ধারা মহাভারত ও ভাগবতের জনপ্রিয়তার নিরিখে কৃষ্ণিবাসী রামায়ণের বিস্তার তফাৎ আছে। হরেকৃষ্ণ মুখোপাধ্যায় কৃষ্ণিবাস সম্পর্কে বলেছেন –

“আপন-হৃদয় দর্পণে এই কবি সমাজের যে
প্রতিচ্ছবি দর্শন করিয়াছিলেন, তাঁহার রামায়ণে
তাহারই আলেখ্য অঙ্কিত রহিয়াছে। বাঙ্গালী
রামায়ণ-রূপ দর্পণে আপনার প্রাণের প্রতিচ্ছায়া
দর্শনে নব ভাবে উদ্ভূত হইয়াছিল। তাই তো
কৃষ্ণিবাসের রামায়ণ বাঙ্গালায় এত জনপ্রিয়তা
অর্জন করিয়াছিল।”

[রামায়ণ, হরেকৃষ্ণ মুখোপাধ্যায় ও সুনীতিকুমার চট্টোপাধ্যায়
সম্পাদিত কৃষ্ণিবাস বিরচিত]

তাই বলতেই হয় কৃষ্ণিবাসের রামায়ণের জনপ্রিয়তার প্রথম ও প্রধান কারণ এর বাঙালিয়ানার দিক। বাংলাদেশের সমাজ পরিবেশ ও বাঙালির সমাজ মানসিকতা জীবন্তরূপে দৃশ্যমান হয়েছে এই কাব্যটিতে।

বাস্তবিক রামায়ণ বৃহত্তর ভারতের জাতীয় কাব্য। এর পরিসর আসমুদ্র হিমাচলবাপী বিস্তৃত। কিন্তু কৃষ্ণিবাসী রামায়ণের কলেবর বাংলাদেশের গণ্ডীর মধ্যে সীমাবদ্ধ। এর

* State Aided College Teacher, Department of Bengali, K. K. Das College, Kolkata

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QUEST

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The editors acknowledge and thank the authors for their contributions. They also express their gratitude towards the proof readers and the publisher for their cooperation without which it would not have been possible to carry on this task. And last but not the least special thanks goes to the future readers for whom the book is targeted.

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Indian Railway And Its Contribution Towards Indian Economy

Biswajit Panda*

1.1 BACKGROUND

India is the land of diverse culture and Indian Railways play a key role not only meeting the transport needs of the country, but also in bringing together dispersed areas and promoting national integration. Railways in India provide the principal mode of transportation for freight and passengers. The Indian Railways have been a great integrating force during the past years and more. It has bound the economic life of the country and has been in accelerating the development of industry and agriculture. From a modest beginning in 1853 it has played a vital role in the economic, industrial and social development of the country. The Indian Railways operates the world's second largest rail network under a single management. The network runs multi-gauge operations extending over 63,327 route kilometers in terms of infrastructure it operates more than 14,444 trains backed by 7,000 locomotives and 39,263 coaches. Thus it is one of the largest and busiest railway networks in the world carrying sixteen million passengers on a daily basis. It also carries more than one million tones of freight on a daily basis and with the employee strength surpassing 1.6 million is also one of the biggest commercial employers and is only next to Chinese Airlines in terms of people recruited by it. The main characteristic of the Indian Railways is that it is an independent, corporatized, customer focused, and financially viable railway; run along commercial principles and subject

* Biswajit Panda, Guest Lecturer in Commerce



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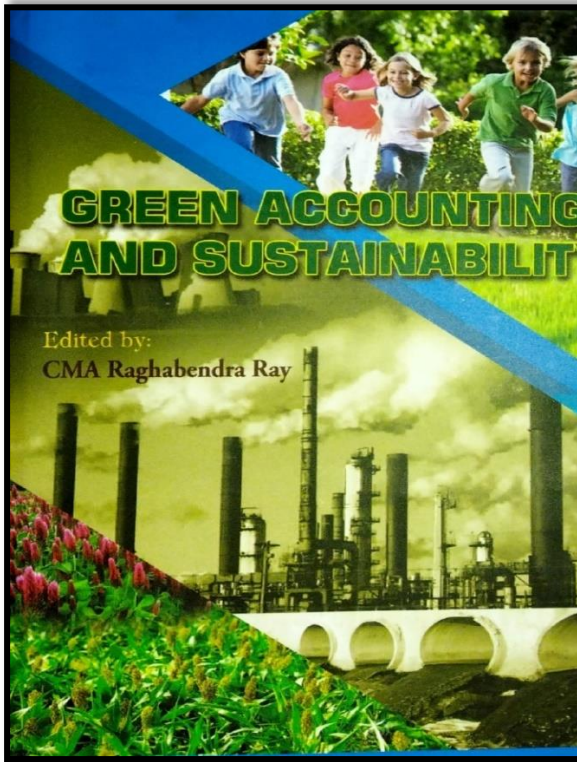
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CMA Raghendra Ray

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Contributor's Profile

Cost-effectiveness and Environmental Accountability – A Case Study of Brick Making Unit in West Bengal

Sukumar Sadhukhan

Introduction

There are three basic needs of human being – food, clothes and shelter. With the advancement of human civilization among three elements-the demand for shelter has been increasing day by day. Brick industry is the oldest industry of the world. Brick making unit is situated in rural and semi rural areas, play a vital role in the development of the nation in the term of employment and rural economy. Brick is the main raw materials for construction of building and others activities. In rural area, earth-made house is now converted into "Pakka Bar". Indian brick industry is second largest in production of bricks after China. But at that time, production of bricks are many less than its demand for. As a result, bricks field spread out haphazardly. We are trying to highlight the prospect of this industry through the cost-effectiveness of the industry and also the study of environmental degradation.

Literature review

Over the years, some studies were conducted on different aspects of brick industry. There is no dearth of literature of brick industry regarding cost structure analysis. Blackman (2000) has developed a list of feasible environmental management policies

and examined how these policies have fared to control emissions from informal kilns in northern Mexico. Nagesha (2010), Bala Subrahmanya (2006), have conducted studies regarding use of energy in efficiently and environmental pollution in the Indian context. Maksud Hossain and Abu'Nd Abdulla highlighted their studies on securing and environmental potentiality of green bricks in Bangladesh (Sept 2012).

Objective of the study

- To ascertain the cost per unit.
- To ascertain the profitability of the different quality of bricks.
- To analyse overall profitability of the unit and environmental accountability.

Materials and methods

Official data or published data are not available in this industry. This study is entirely based upon the primary source of data. Data are collected from various personal sources (personal interview of kiln owner, manager, labourer etc.) under schedule method. Some secondary data are collected from state and national organizations (Bengal brick field owners association, All India bricks and tiles association) and published materials. Manufacturing period is November to April. Data are related to the year 2015 and 2016. Descriptive statistics are used for analysis the data.

Result and discussion

Brick making industry in west Bengal is seasonal in view of nature. The production of a unit is produced in a stipulated period (Nov-April). But the distribution of selling brick throughout the year. In fact, it is biggest employment oriented industry in the state. Soils are collected from riverbed, barren land and agricultural land nearby. Labour comes from the neighboring states Orissa, Bihar, Jharkhand, especially fireman comes from Uttarpradesh. Along with labour comes from

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Financial Inclusion In India—A Review

Sukumar Sadhukhan*

Abstract

Financial Inclusion is the process of delivering of financial product at affordable costs to the weaker sections and low income segments where those services are not available or affordable. Global trends revealed that the development and growth of a country much more depended on the expansion of financial services to all section of the society. Financial inclusion is made a bridge between country's economic development and social development. It increases the capital formation of a country and also employment generation of a nation. Indian economy in general and banking services in particular, have been increasing their financial services to the unbanked masses in order to achieve the goal of the nation. The number of bank branches (per million people), number of bank credit and amount of bank deposits (per million people), amount of bank credit and amount of bank deposits (per million people), number of bank branches (per million people), number of bank credit and amount of bank deposits (per million people). This paper studies the overall position of financial inclusion of India in globe. And also study the role of formal financial institutions regarding financial inclusion in India. Paper attempts to study the initiatives taken by government of India and RBI for strengthening financial inclusion in India.

Introduction

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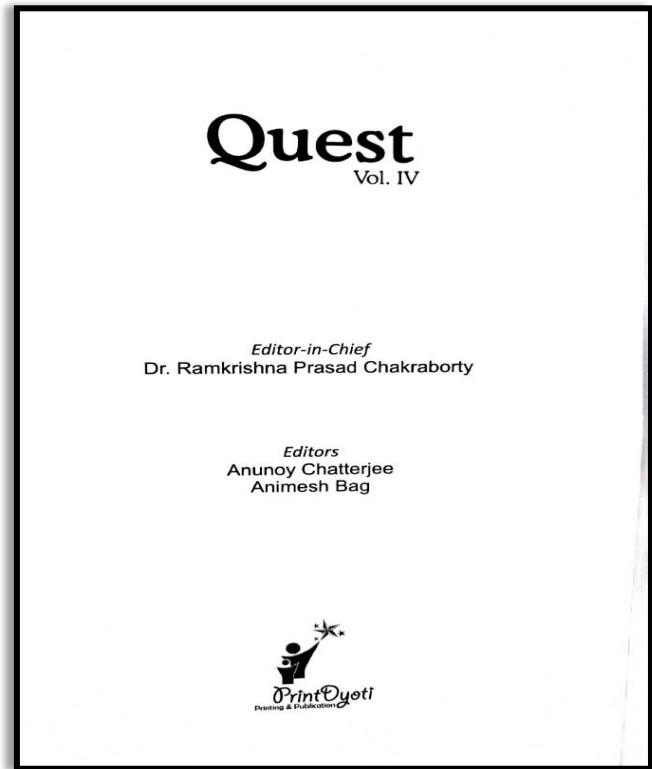
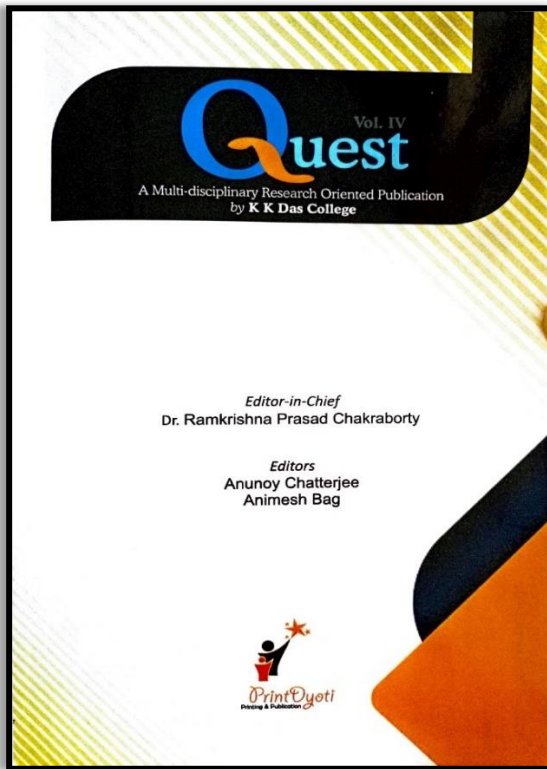
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USE OF ICT IN TEACHING, LEARNING, EVALUATION AND ADMINISTRATION

Mridul K Bhaumik *

Abstract

Recent educational trends, the emergence of the knowledge and information society and globalisation infused socio-cultural changes have profoundly influenced the Higher Education system. The result has been a concern for quality education with quality assurance through a transformation of the educational system with greater reliance on technologically enhanced learning. A reflection of this can be found in the wide range of ICT (Information and Communication Technology) tools now being introduced in the academic institutions and industries since the last decade. It allows the users to experience meaningful learning by different learning styles customising with individual's need. Augmenting the scope of self-learning, ICT has provided easy access and promoted flexibility in learning that anybody can learn from anywhere any time without place and time constraints.

The overview of this paper is an effort which points towards the use of ICT tools in the teaching and learning process, evaluating students' progress, administering and monitoring the flexibility, and also cost effectiveness in HEIs (Higher Education Institutions). It is suggested for HEIs to integrate ICT into the whole process in order to achieve the desired outcome of quality education with greater participation of the students in the teaching learning process.

Keywords: Teaching and Learning Process, Higher Education Institutions (HEI), Information and Communication Technology (ICT), Quality Education, Transformation, Flexibility, National Education Policy (NEP)

Introduction

The incorporation of Information and Communication Technology (ICT) in the curriculum and provision of these technologies in educational institutions have raised many issues of concern to educators, parents, planners and policymakers. Some of the most important issues are the role of ICT in the curriculum, and how this

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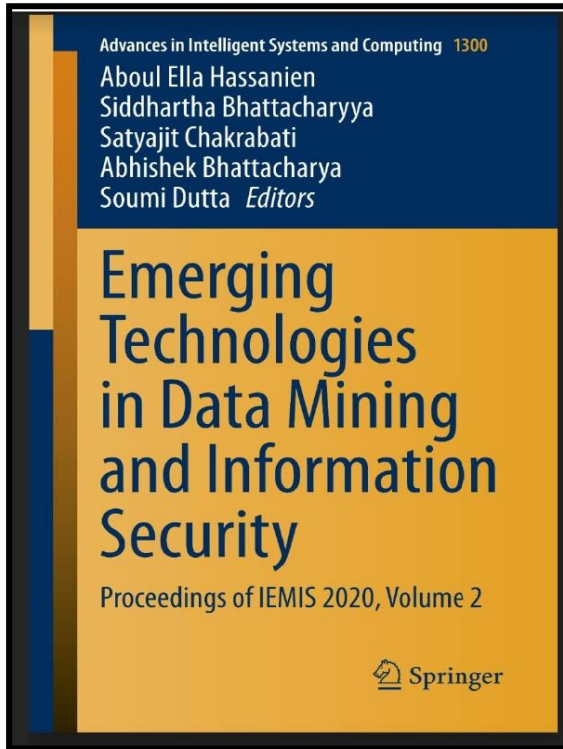
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Department of Computer Science Ms. Rituparna Pal SACT – II



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A Gamification Model for Online Learning Platform



Rituparna Pal and Satyajit Chakrabati

Abstract Today's online education is very essential tool for learning. The advancement of information technology has allowed the creation of virtual courses which have created new challenges for teachers in motivating students. The online classes are becoming monotonous and hence not creating more interest among learners since it has no gamification environment and there are no proper application of gamification elements. Most of the online learning platforms are either text or video-based or live communication between teachers and learners. The objective is to define gamified element in the current online education platforms to motivate students. In this paper, gamified modeling environment is proposed in which the learner is provided with different paths of learning depending upon their initial performance. A new clustering algorithm is used to cluster the learner into different groups. In this paper, we mainly focus on the improved version of the creation of gamified learning model based on different layers so that the overall learning process can be more effective.

Keywords Gamification · Gamification model · Clustering

1 Introduction

Today's learning system has a drawback in creation of new innovation toward the rapid development for the society in terms of gaining knowledge of a learner. Interactive learning could be more beneficial in terms of learning than old classroom style teaching. Introducing gamification technique into learning procedure could be moved to different paradigms. It would be challenging as well as new platform to enhance the teaching-learning method more efficiently and interestingly. In online learning

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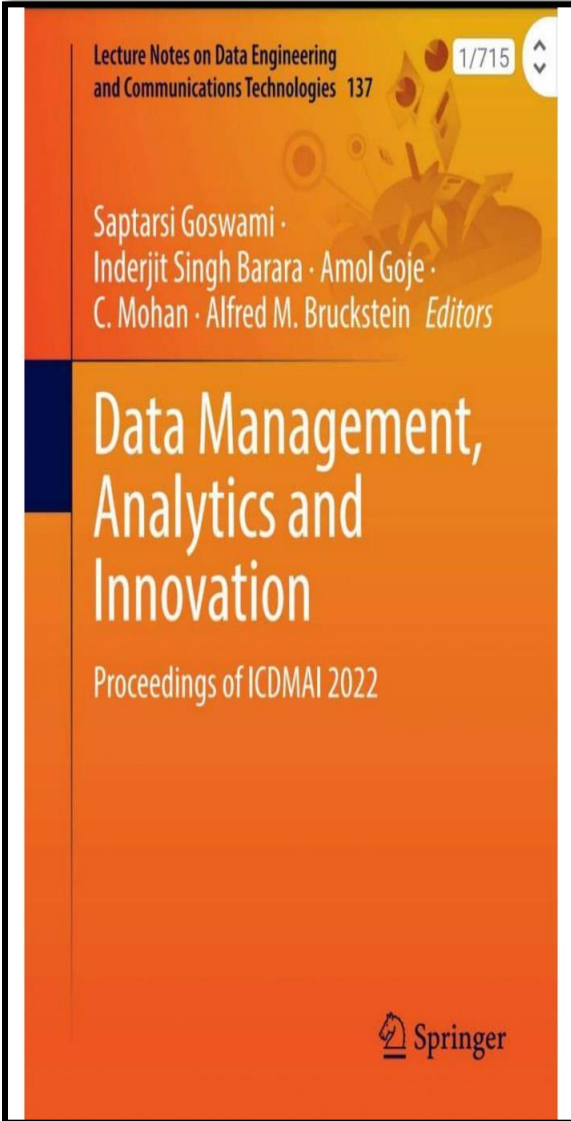
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A Gamification Architecture for Online Learning Platform Using Neural Network



Rituparna Pal and Satyajit Chakrabarti

Abstract Today's online education is very essential tool for learning. The advancement of information technology has allowed the creation of virtual courses which have created new challenges for teachers in motivating students. The online classes are becoming monotonous and hence not creating more interest among learners since it has no gamification environment. There are no proper application of gamification elements. Most of the online learning platforms are either text or video based or live communication between teachers and learners. The objective is to define gamified element in the current online education platforms to motivate students. In this paper gamified modeling environment is proposed and overall implementation mechanism of gamified learning architecture is proposed. In this paper we have focused how neural network can be used in the gamified learning environment to improve the overall performance of system. This paper is based on initial level of research in proposal of the gamification of model and how different stages of model will be implemented.

Keywords Gamification architecture · Gamified environment · Neural network

1 Introduction

The old classroom style teaching have always played a higher role in terms of teaching—learning process. As we are moving forward, we see that online teaching is becoming a vital part in our life. The COVID-19 and its impact have changed our thoughts regarding teaching learning process and challenged our existing education system. So, now online mode of teaching learning process is playing major role in education systems but today's learning system has a drawback in creation of

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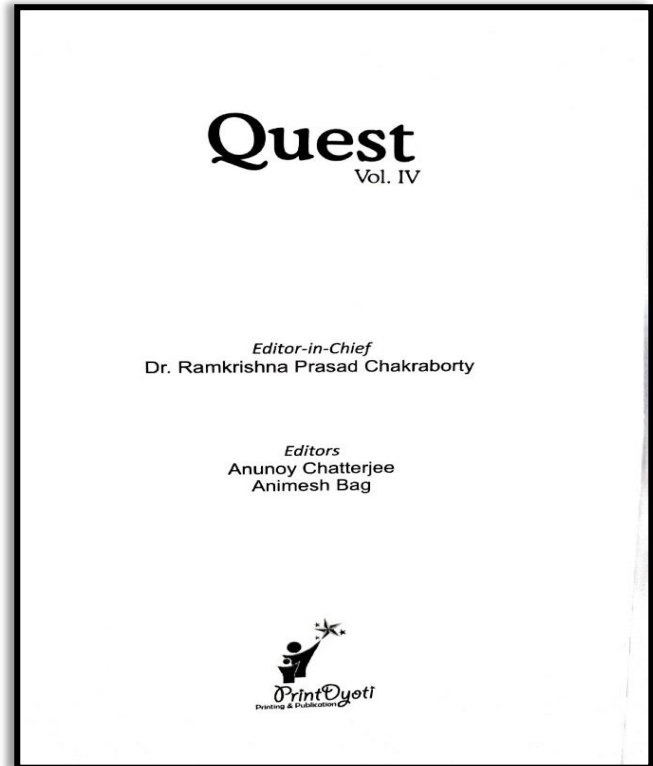
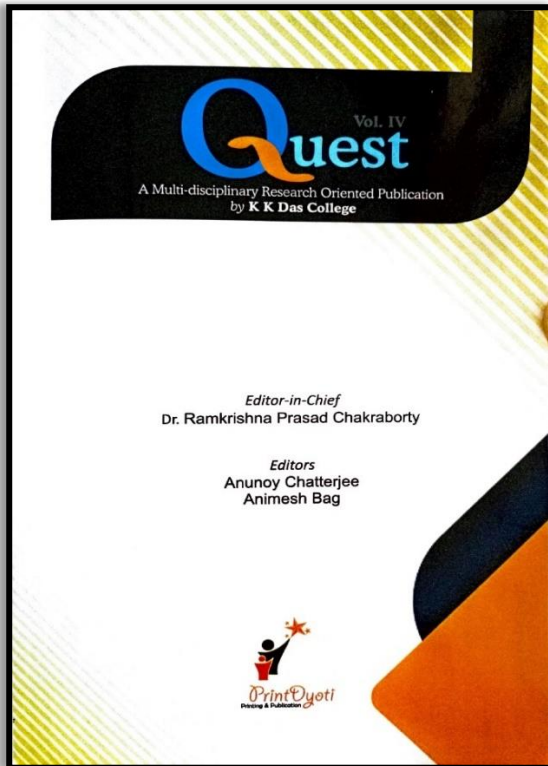
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RETHINKING THIRD THEATRE: A BRIDGE BETWEEN EPIC THEATRE AND THEATRE OF THE OPPRESSED

Deepro Majumder *

Abstract

Badal Sircar – the uncompromising Marxist theatre activist – was devoted to develop a new theatre; the third theatre. A new format, a new dramaturgy, a new acting style and a new method of artistic creation: as a whole, a new language of theatre. This working paper attempts to conceive third theatre in lights of epic theatre – through which Brecht attempted to awaken critical consciousness among the spectators – and theatre of the oppressed – through which Boal aims to identify spectators with a new subjectivity 'spectator-actor' so that they can change the course of the theatrical journey by taking active part in the process. Is it possible to understand third theatre practice as a bridge between epic theatre and theatre of the oppressed?

Keywords: *Third Theatre, Epic Theatre, Theatre of the Oppressed, Badal Sircar, Bertolt Brecht, Augusto Boal*

Introduction

Pioneered by Badal Sircar (1925-2011), an eminent theatre activist of Bengal, the Third Theatre movement was born out of the explorations and experiences in his theatrical journey. His overseas trips to the West set a stage for his rendezvous with alternative practices and illustrious personalities in the global theatre spectrum while encountering a devastated Europe after the World War II. This helped him shape his ideas about a new political language of theatre (Jain, 2016).

Starting out as a playwright, director and an actor of the proscenium theatre¹, Sircar in his later years challenged the conventions of the same

* Ph.D. scholar, Department of Economics, University of Calcutta. State Aided College Teacher (SACT-I) of Economics at K. K. Das College, University of Calcutta. Theatre activist, attached to a group theatre called Sahityika Santiniketan.
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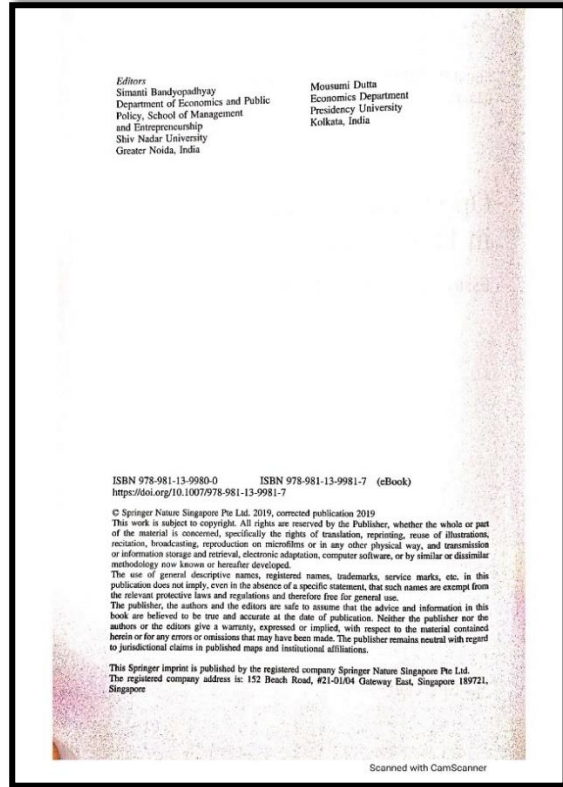
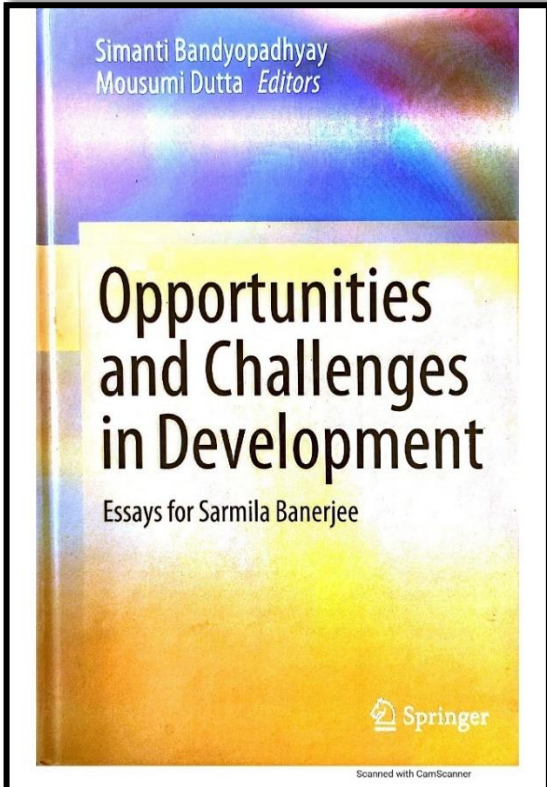
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Vertical Fiscal Imbalances and Its Impact on Fiscal Performance: A Case for Indian States

Madhurima Koley and Kumarjit Mandal

Abstract Vertical fiscal imbalance (VFI) is defined as the share of sub-national governments' own spending not financed through own revenues. Theoretical and empirical literatures on VFIs have identified them as an obstacle to sub-national accountability and good fiscal performance. India is a decentralized economy where a marked distinction is made between the spending and revenue responsibilities between the Centre and states. However, spending decentralization has not always complemented revenue devolution, giving rise to huge VFIs in the states. This paper attempts empirically to examine the relation between VFI and fiscal performance for Indian states. It provides stylized facts on size, financing and long-run trend of VFI for 24 major Indian states. Panel data estimation for all those states, covering the period 1995–96 to 2014–15, reveals that on an average the primary deficit of the state governments decline by 15 percentage point of Net State Domestic Product (NSDP) for each percentage point decline in VFI.

Keywords Vertical fiscal imbalance · Fiscal performance

JEL Classifications H62 · H77 · H79

1 Introduction

"Fiscal Decentralization is in vogue"—Oates (1999). Fiscal decentralization generally refers to the devolution of taxing and spending powers from the control of the central government authorities to the government authorities at the sub-national levels (regional, provincial, municipal, etc.). Increased fiscal decentralization is seen as an important means of increasing democratic participation in decision-making process. It is advocated on the grounds that sub-national governments have more

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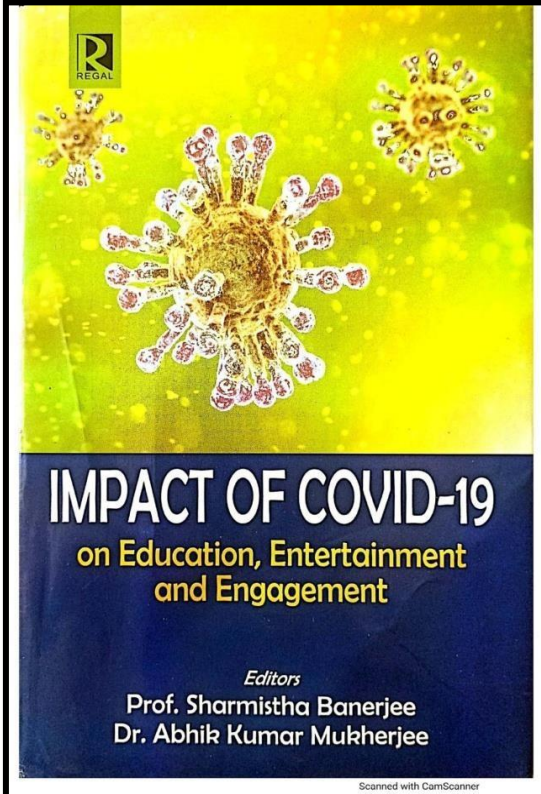
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3

Digital Divide and Education in India: Experiences during COVID-19 Pandemic Period

MADHURIMA KOLEY*

ABSTRACT

Among all status quos that COVID-19 has disrupted, the education sector has perhaps faced the biggest challenge. With educational institutes going remote, and no specific timeline on resumption of physical classes, a rapid transition from in class learning to the digital sphere of learning evolved. The government and the private sector responded instantly to bring rapid digital innovation in the mode of education. This transition, however, has showed to us glaring digital divide in education in India. A divide in the technological front which has severe economic implications. It has created a disproportionate negative impact on the most vulnerable students. The pandemic has not only caused educational inequality to increase but also exacerbated existing disparities. The study reveals lack of basic amenities like internet facilities and supporting hardware devices, is one of the major causes of this perpetual digital divide. The paper highlights a wide rural-urban

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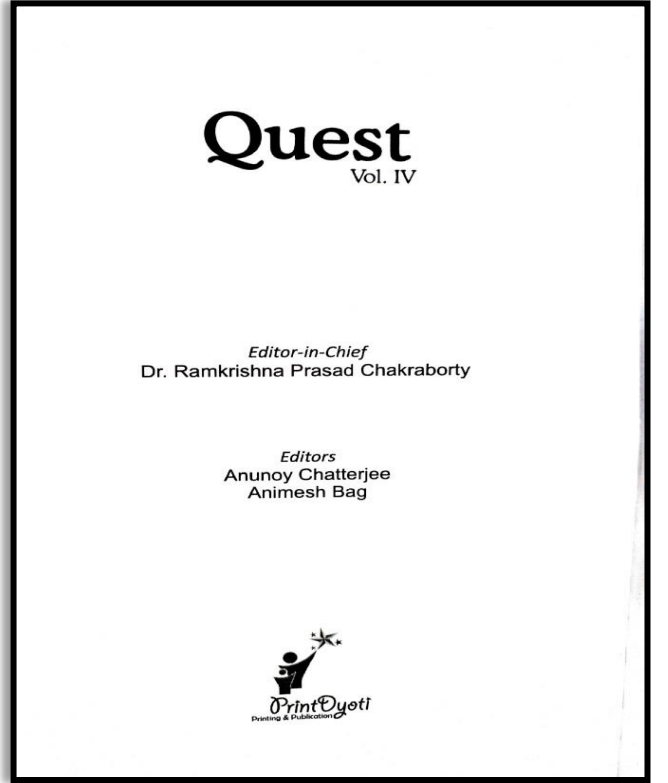
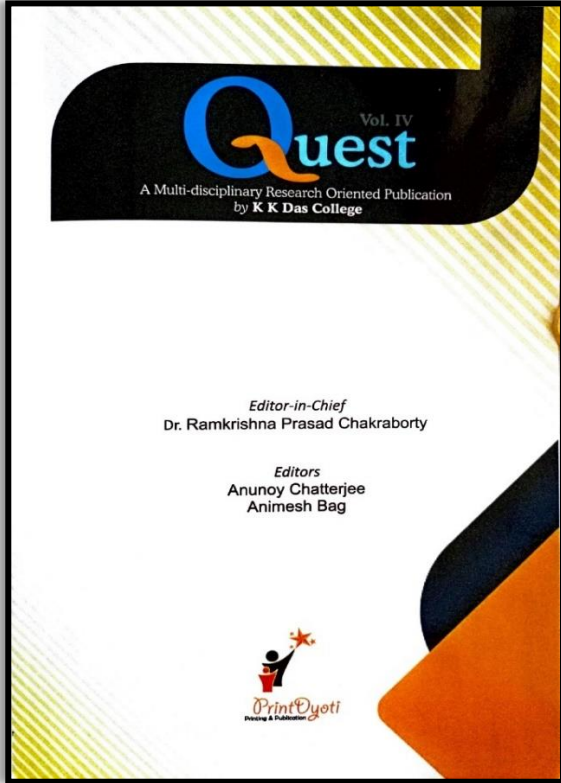
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STATE FINANCES AND FISCAL DECENTRALIZATION IN INDIA: CHANGING TRENDS

Madhurima Koley *

Abstract

Fiscal Decentralization generally refers to the devolution of taxing and spending powers from the control of the central government authorities to the government authorities at the sub-national levels. India is a decentralized economy where a marked distinction is made between the revenue and expenditure function between the Centre and the states. Various constitutional and economic policies have been implemented overtime to strengthen the centre-state financial relations in India. Most notable among them are the FRBM and GST Act. This paper presents the changing trends centre-state fiscal indicators and the extent of fiscal decentralization in India under the two policy regimes. The study reveals a declining gap between the expenditure and revenue capabilities of the states as compared to the Centre under the policy rules. While expenditure decentralization has increased, the revenue autonomy of the states have declined in the post-GST regime vis-à-vis the FRBM period.

Keywords: *fiscal federalism; fiscal decentralization; decentralization measurement*

JEL Codes: *H77, H11, D63*

Introduction

Fiscal Decentralization generally refers to the devolution of taxing and spending powers from the control of the central government authorities to the government authorities at the sub-national levels (regional, provincial, municipal, etc.). Increased fiscal decentralization is seen as an important means of increasing democratic participation in decision making process. It is advocated on the grounds that sub-national

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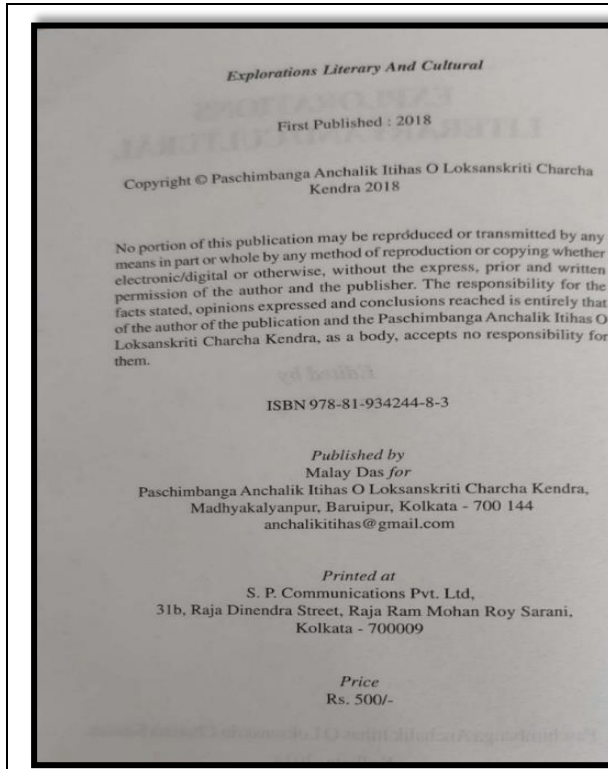
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The Rhetoric of Imperial Governance in Colonial India: A Study of Amitav Ghosh's Ibis Trilogy

Animesh Bag

ABSTRACT

The Ibis trilogy of Amitav Ghosh roughly deals with the 'transition period' in the Indian colonial history when the Company's business interest was about to end. Their sole focus was on building an empire and making India a British colony. This political share of the British imperial regime in India was strengthened at large by its 'base' i.e. military, police, law and judicial system. The historical issues like forced opium production on the delta of Ganges, its illegal trafficking to China and the gripping stories of the lower strata of Indian society such as the farmers, associated with the poppy cultivation, the labourers, and Indian sepoys under the British Empire emerge in the Ibis trilogy. This article aims to offer some insights into the legal institution and the military history of India vis-à-vis the Ibis trilogy. It will explore the problematic of judicial system and the Zamindari and how they were intricately entangled. The essay will also probe into why Indians entered into the British troops, what was the recruitment policy of the Company, the promotion procedure and the roots behind the reinforcement of caste politics in the army.

Keywords: Military history, Indian Sepoy, Law, Judicial system, Zamindari, Ibis trilogy

The colonial governing policy of the British Raj changed its contours over the period of its rule owing to India's socio-political insurgency. Loosely it can be divided in three historical phases: grant of the Diwani in 1757 to 1858 Crown Rule, 1858 to the establishment of Indian National Congress in 1885, and 1885 to 1947 Independence. The period (1757 – 1857) the Ibis trilogy of Amitav Ghosh roughly addresses is this 'transition period' in the Indian colonial history when the Company's business interest was about to end. Their sole focus was to build an empire and into making India a British colony. This imperial regime in India was strengthened




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GENDER: CONSTRUCTIONS, CONNOTATIONS, AND REPRESENTATIONS

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Towards a Gendered Understanding of Nationalism: Reading Bina Das' Srinkhal Jhankar

Animesh Bag

Keywords: Nationalism, Hegemony, Gender, Bina Das, Self-sacrifice, Imprisonment.

We just could not sit but take part in that struggle—We who have long been in pursuit of this deeply; we have been waiting for this so long...

(Das, *Srinkhal Jhankar*, 21)

This article engages with the revolutionary women in colonial Bengal and explores how their activity, often through violence, put the idea of hegemonic nationalism in question. Nationalism and its narrative have been masculine, deeply embedded in 'textual attitude' of culture. Through sexed militarism, patriotic manhood and exalted motherhood, the ideology of nationalism is so tightly constructed that any difference, any signifier outside the structured discourse becomes 'derivative'. Gandhi along with several other reformers worked together in breaking the old-age barriers of *pardah* and bringing women out of the 'private sphere' to participate in protest, social service and awareness campaign. It is again him who paradoxically, reduces the women's sexuality to passivity, to nation and its non-violence movement invoking the Sita- Draupadi-Savitri narrative. On a contrary, in the early 20th century some young revolutionaries in Bengal took up arms against the British establishment such as Pritilata Wadedar, Kalpana Das, Sarala Devi, Bina Das and others. The short memoir of Bina Das, *Srinkhal Jhankar*, originally in Bengali, movingly recounts the story of her involvement in the shooting of the British Governor of Bengal, Stanley Jackson, at the Annual Convocation Meeting of Calcutta University in 1932, her subsequent incarceration, and her growing involvement in politics. This article argues that the participation in violent activity of the women reveals the fissures of the nationalist project and calls for a refashioning of women 'subject' autonomously. So, the paper contextualizing the memoir of Bina Das will explore how




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Editorial

We are glad to present to the readers the third volume of 'QUEST'. Quest started its journey in the year 2014 as a multidisciplinary bilingual book. The objective of this book is to provide a platform to the faculty members of K. K. Das College to express their thoughts through publication of their original, empirical and high quality research works. This book also aims at highlighting new directions in contemporary research.

This volume consists of nine articles. The faculty members of the departments of Statistics, Commerce, History, English and Bengali have contributed their articles in this volume. An ardent effort has been made by the contributors to incorporate recent developments in various fields. The articles cover a wide array of topics ranging from financial inclusion or the banking sector to Indian Railways in Commerce, a search on the history of venereal diseases worldwide to progressive cultural movement in Bengal in History, understanding of Dalit writings and horror fiction in Literature, a discussion on the prolific Bengali writer Samaresh Basu about his alias Kalkut, a discourse on Manik Bandopadhyay's novel "Padma nadir majhi" in the realm of folk literature and so on.

The editors acknowledge and thank the authors for their contributions. They also express their gratitude towards the proof readers and the publisher for their cooperation without which it would not have been possible to carry on this task. And last but not the least special thanks goes to the future readers for whom the book is targeted.

The authors have put in their best efforts to throw light on various aspects in newer perspectives using their own thoughts and interpretations on the already available information. We sincerely hope that these articles open up further discussion among the writers and readers and thus the eternal quest for knowledge leads to more upcoming volumes of "Quest".

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Horrality : A Sense of Atopia in Modern Horror Films and TV Shows

Animesh Bag*

Abstract :

The eighteenth century Gothic fiction in a true generic sense marks the beginning of horror fiction. Unlike science fiction and fantasy, the definitions of the genre of horror do not stand on the structure of various works; it rather focuses on the aesthetic aspect and cathartic effect on the readers (fear, dread, anxiety and so on). The equivocal, genericness of horror facilitates the genre an edge, an opportunity not to be classified, to have the 'symbolic structure' at 'play'. It surprisingly comes with all or nothing, maximum or minimal keeping the beholder guessing, startling and leaving them bizarre and awkward. The desire of the audience to feel as a part of the film has always kept in check in horror. This experience of association, engagement comes in the form of continual disengagement here. The genre with its utter denial to be a genre exposes our monotonous, structured way of everydayness, challenges our rigorous narcissistic fixation and throws us into the chaotic, anarchical and nihilistic existence.

The recent escalation of horror in popular medium can be termed as revive and rediscovery of this art form. Now any historian of this genre may claim that this is the golden age of horror. But, my point of departure here is why there is sudden abundance of horror films and shows. Why do so many of us feel at once at home with ghost, monster, spirit, someone or something more than mystery, magical and unknown? The easy answer is choice and religious propaganda? This, I argue, is limited, too fragile and shallow in understanding of the physio-psycho-cultural conditions of the time. The paper, therefore, would try to explore the depth and possibility of horror as a genre vis-à-vis a cultural and philosophical reading of it.

Keywords : Horror, Genre, Bio-cultural fear, post-truth world, Marxism.

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জ্যোতিরাও ফুলে, বর্ণ-চেতনা, যুক্তিবাদ ও তাঁর ভাবদর্শন

অনিমেষ বাগ

ভারতে ঔপনিবেশিক শাসনকে সুদৃঢ় করতে ইংরেজরা সামরিক বল প্রয়োগ, অর্থনৈতিক নিষ্কাশন এবং রাজনৈতিক শোষণের পাশাপাশি মনস্তাত্ত্বিক নিপীড়নের আখ্যান প্রস্তুত করে। সূচত্বরভাবে বোঝানো হয়, পশ্চিম সভ্যতার নিরিখে ভারত, সামাজিক ও সাংস্কৃতিকভাবে পিছিয়ে রয়েছে; তাই ভারতীয়দের ব্রিটিশদের মতো 'সভ্য' জাতির সূশাসন প্রয়োজন। উনিশ শতকের মাঝামাঝি পাশ্চাত্য শিক্ষা ও ভাবধারায় উদ্বুদ্ধ একদল সমাজ-সংস্কারক অগ্রণী হয় এই ধারণার পরিবর্তন ঘটাতে, ভারতবর্ষকে পুনরায় আবিষ্কার করতে। তাঁদের নেতৃত্বে ভারতে বিশেষত বাংলা ও মহারাষ্ট্রে সমাজ-সংস্কার আন্দোলনের প্রেক্ষাপট গড়ে ওঠে, যা নবজাগরণ নামে পরিচিত। আধুনিকতার অন্যতম শর্ত হিসাবে যুক্তি, বিজ্ঞান, এবং আত্মসমালোচনা ছিল তাঁদের আন্দোলনের প্রধান স্তম্ভ। উল্লেখযোগ্যভাবে এই সময়ে রেল যোগাযোগের সম্প্রসারণ, যৌথ পরিবারের ভাঙন, নগরায়ণ, এককথায় ভারতীয় সমাজচরিত্রের আমূল রদবদল ঘটে। ফলে পুরনো ঐতিহ্য প্রগতির স্বার্থে নতুন করে গড়ে তোলা জরুরি হয়ে ওঠে। নারীশিক্ষা সম্প্রসারণের দরুন যুগ যুগ ধরে চলে আসা সামাজিক বিধিবিধান, যথা- বাল্যবিবাহ, পর্দা প্রথা, আজীবন বৈধব্য, সতীদাহ প্রথার বিলুপ্তি ঘটে থাকে। সমাজ সংস্কারের এই ধারাগুলি আধুনিকতার সাক্ষ্য নির্মাণ করে, যা নতুন ভারতীয় সমাজের

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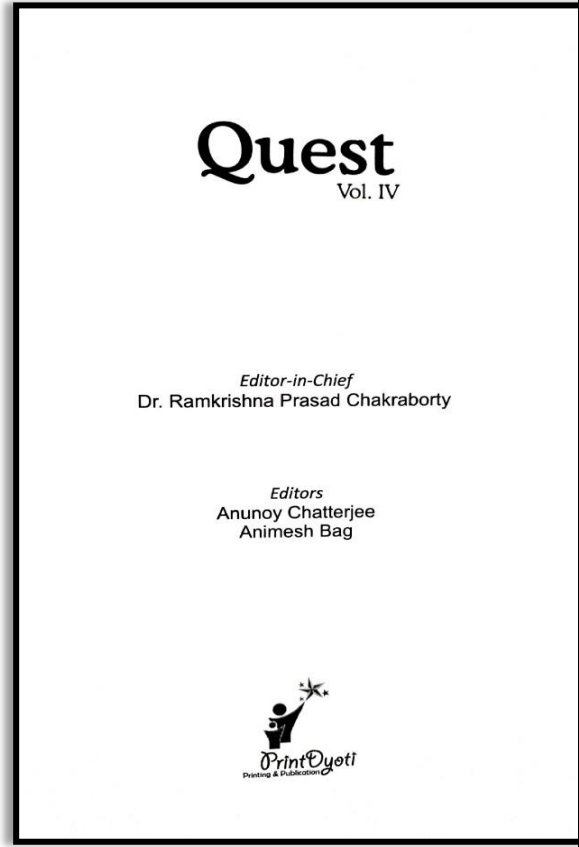
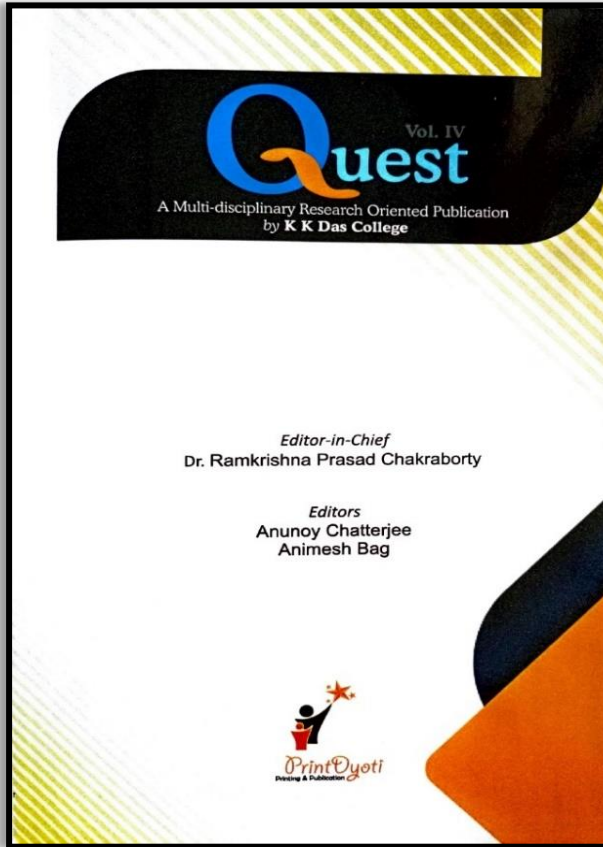
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PUNITIVE MECHANISM AND RESISTANCE IN COLONIAL PRISON IN BENGAL: EXPLORING JOGESH CHANDRA CHATTERJEE'S IN SEARCH OF FREEDOM

Animesh Bag *

Abstract

This paper, through a rereading of Jogesh Chandra Chatterjee's "In Search of Freedom" (1958), intends to explore how the British government continued to employ corporeal torture within prison, while legally suspending it. On the other hand, how the militant revolutionaries adopted various survival strategies including forceful petition, hunger strikes, and even forming the collective bonding, that defy the absolute control of the colonial state will also be observed. Through the introduction of carceral imprisonment, abandoning the public spectacle of punishment as well as the infliction of physical torture, the colonial rule claimed its legitimacy as the modern state. However, the accounts of the revolutionaries unmask the veil of this enlightened project as their penal experiences show the continual application of the sovereign power, the right to pain. Thus, this paper presents the penal torture techniques as well as the strategies of the revolutionaries that act as the resistance and the subversion of the colonial rule.

Keywords: colonial prison, torture, body, resistance, subversion

Introduction

Under Macaulay's direction, the Jail Discipline Committee was established in 1838 with the goal of modernising the judicial system in British India. The main intention of Macaulay was to end the Company's intentional despotism and set up an organised structure for managing and regulating the native population (Cohn 64-65). It was praised for upholding the rule of law. The emergence of judicial norms is therefore implied to be a manifestation of modernity and the outcome of enlightenment reasoning of the West. However, the idea of the

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The World of Amitav Ghosh Blending Aesthetics with Politics

Edited by
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The Perverse Politics: Gender, Sexuality and Empire in Ghosh's *Ibis* Trilogy

ANIMESH BAG

The paper contextualizing Amitav Ghosh's *Ibis* trilogy viz. *Sea of Poppies*, *River of Smoke* and *Flood of Fire* will explore how sexuality and gender relation is discursively instrumental in maintaining power in political and domestic sphere, sustaining a false consciousness of 'otherness' and imperial regime in colonial India. Reading gender roles in colonial period is far more than considering the presence of women. Little known, nuanced space can produce a whole new so-called knowledge on colonialist as well as colonized. The purpose of this paper runs deeper. It destabilizes the proposition that imperial masculinity only works in public by focusing at the level of other 'contact zones' such as British men and indigenous women, mansahib and native man and woman and so on.

Discourse on colonial India broadly its nineteenth and twentieth century fiction and nonfiction is numerous in comparison to the eighteenth century early colonial experience. Significantly this is one of the most crucial times in colonial history when the power of British Empire in India shifts from a private commercial corporation to become a state-sponsored imperial superpower. The East India Company became *de facto* sovereign power in Bengal first and subsequently in India until the British Raj or the Crown rule officially started in 1858 under the direct administration of Queen Victoria following the Indian Rebellion of 1857. The period (1757-1842) the *Ibis* trilogy of Amitav Ghosh roughly addresses is this 'transition period in the colonial history'




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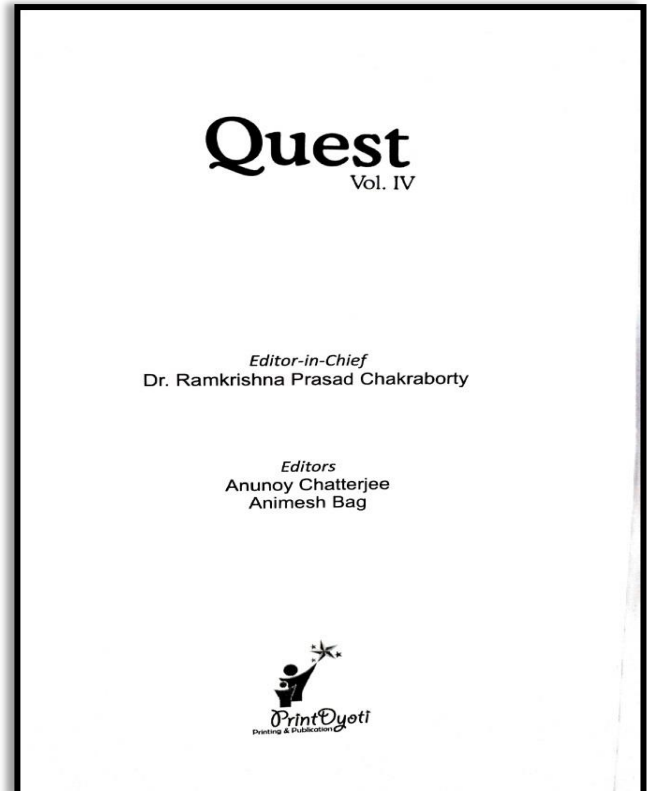
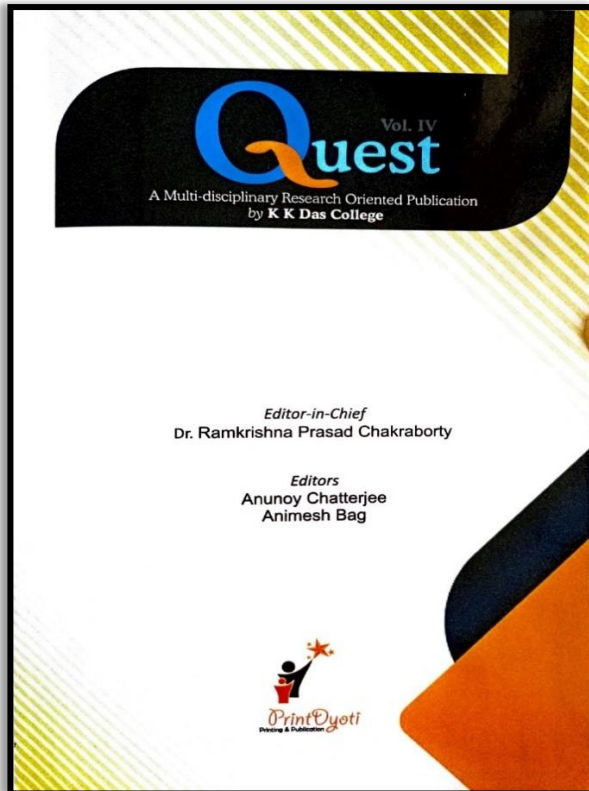
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COMICAL BODIES: A BRIEF STUDY OF 'BALLAVPURER RUPKATHA' AND 'SAJANO BAGAN'

*Gourab Dutta **

In a foreword to the play *Kabi Kahini*, Badal Sircar responds to the popular claims that he had honed his skill as a playwright by writing comedies before he came up with his iconic plays like *Evam Indrajit* and *Baki Itihas* through observations that there are possibilities of him writing further comedies even after having achieved prominence by plays dealing with serious and intellectually more appealing issues. Sircar also states that he does not endorse such trivialization of the genre of comedy and “even if I agree that comedies do not have opinions, no discussions about the problems of the age, nothing to preach, yet laughter or the value of it is never less for me.” (Sircar, *Natak Samagra* 450) The playwright does show condescension towards buffoonery, but holds plots invoking unadulterated mirth in high esteem. However, it is remarkable how Sircar along with his high regard for pure, unadulterated laughter in blatantly non-intellectual comedies puts forth an indirect assertion that comedies are not entirely devoid of serious subject matter or are not socio-culturally irrelevant. The lighthearted joviality can coexist with historically pertinent themes sans the dark and biting humour of a satire.

The decade which began with the annexation of Goa, Daman and Diu into the Republic of India, the tragic loss of geopolitical leverage by China's occupation of a significant section of Kashmir after a defeat in the Sino-Indian war, the second Indo-Pak war, further political intrigues regarding the Tashkent declaration and the death of Lal Bahadur Shastri was an important decade for Sircar too. The theatre group *Satabdi* had been established in 1967 and refashioned by Sircar by 1969. The idea of the third theatre had already been taking shape in his mind, though it had not been implemented as Sircar had not yet

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QUEST
VOLUME - III

Edited By
Dr. Ramkrishna Prasad Chakraborty
&
Dr. Nasima Munshi



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Dr. Nasima Munshi

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Editorial

We are glad to present to the readers the third volume of 'QUEST'. Quest started its journey in the year 2014 as a multidisciplinary bilingual book. The objective of this book is to provide a platform to the faculty members of K. K. Das College to express their thoughts through publication of their original, empirical and high quality research works. This book also aims at highlighting new directions in contemporary research.

This volume consists of nine articles. The faculty members of the departments of Statistics, Commerce, History, English and Bengali have contributed their articles in this volume. An ardent effort has been made by the contributors to incorporate recent developments in various fields. The articles cover a wide array of topics ranging from financial inclusion or the banking sector to Indian Railways in Commerce, a search on the history of venereal diseases world-wide to progressive cultural movement in Bengal in History, understanding of Dalit writings and horror fiction in Literature, a discussion on the prolific Bengali writer Samaresh Basu about his alias Kalkut, a discourse on Manik Bandyopadhyay's novel "Padma nadir majhi" in the realm of folk literature and so on.

The editors acknowledge and thank the authors for their contributions. They also express their gratitude towards the proof readers and the publisher for their cooperation without which it would not have been possible to carry on this task. And last but not the least special thanks goes to the future readers for whom the book is targeted.

The authors have put in their best efforts to throw light on various aspects in newer perspectives using their own thoughts and interpretations on the already available information. We sincerely hope that these articles open up further discussion among the writers and readers and thus the eternal quest for knowledge leads to more upcoming volumes of "Quest".

Editors

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Dalit Identity : A Reading of Meena Kandasamy's Poetry

Soumana Biswas*

Abstract

This paper proposes to analyze the level to which Dalit Literature has been able to achieve its goal of creating alternative theoretical approaches and creating some kind of awareness about the injustices done to the Dalits. I shall attempt to analyze this by focusing on the emerging figure in Dalit Literature and activism, Meena Kandasamy who was a Teaching/Research Associate at Anna University, Chennai and Writer-in-Residence at University of Iowa, is an eminent poet, translator, fiction writer. Meena Kandasamy herself wants to be known by her "womanness, Tamilness and low/ outcasteness" and most of her writings talk about women and caste issues but I shall attempt to analyze the level of her success as a 'Dalit' woman writer who writes mostly in English and is very much a part of the 'mainstream' academia. By focusing on her writings from the point of view of marginality and feminism, I shall attempt to analyze how much she has been able to create the alternative aesthetics that is the aim of Dalit Literature.

Dalit Literature is often considered as merely propagandist in nature and its literary value is also undermined by branding the literature with stereotypical marginality due to caste politics. The literary talent of the Dalit writers is also not taken into consideration and the literature is faced with various questions regarding its merit. But there is no way to decline that Dalit literature has come to constitute an important part in the context of Indian literature and that their literature cannot be viewed from certain rigid stereotypical notions. This becomes clear from what Alok Mukherji in the Translator's Introduction of Sharan Kumar

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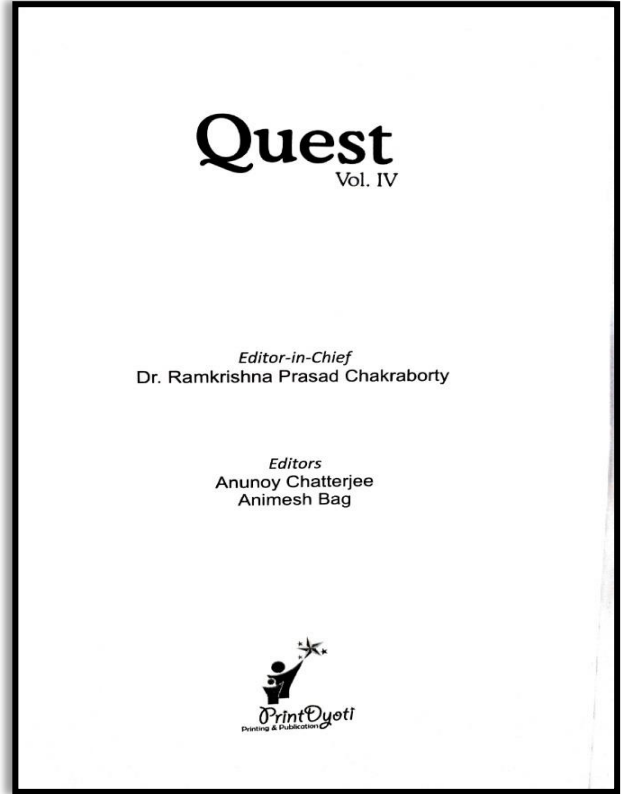
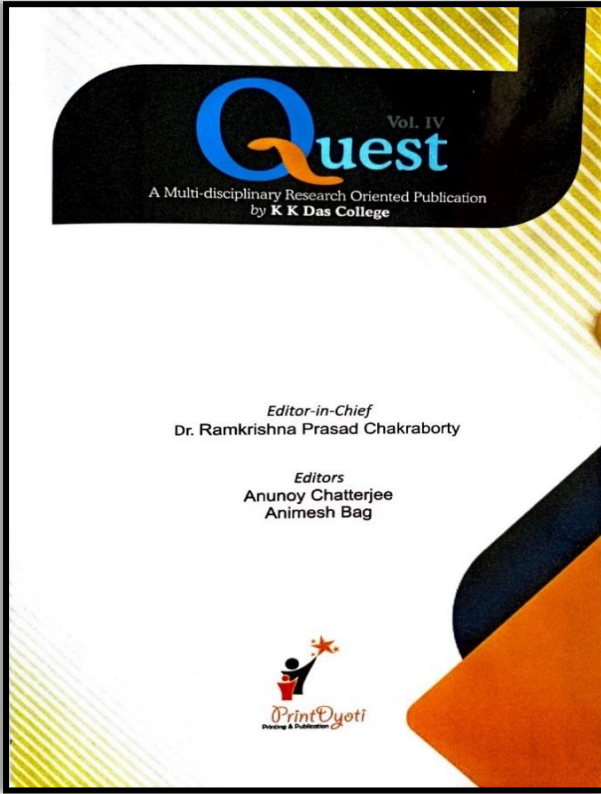
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TRANSLATION AND ADAPTATION OF GRIMMS' FAIRY TALES

Dr. Soumana Biswas *

Abstract

The name Grimm Brothers' Fairy tales is commonly known by most people and is enjoyed by people from various cultures through the various translations. In this paper, I propose to analyze the various nuances of translation that are an intrinsic part of the Grimm Brothers' Fairy Tales. The original fairy tales were taken from the oral medium and written in German and then have been translated into various languages by various translators at different times. The way in which each translator has claimed to follow the source text and has then went ahead and incorporated various changes has been explored in this paper. Each translator has tried to project their translation as the most 'faithful' one and it has been analyzed how translators have changed various aspects of the fairy tales. Among many adaptations, one adaptation that has been taken for analysis in this paper is the Zenescope Entertainment adaptation of the Grimm fairy tales where the sexual overtones of the stories which had been removed to make the stories suitable for children have once again gained prominence. This paper thus proposes to demonstrate the versatile nature of the Grimm Brothers Fairy Tales and the politics involved in the various translations of the fairy tales.

Introduction

Grimm Brothers' Fairy tales need no introduction as Cinderella, Little Red Riding Hood, Snow White, Hansel and Gretel, all have been part of our lives and imagination since our childhood. We have read them in English and for many of us we have also read them in the form of translations in our mother tongue as I had read them as the Bengali translation "Grimm Bhai der Rupkatha". They were enjoyed by me as fairy tales like the ones I was familiar with through the Bengali fairy tales in "Thakurmar Jhuli". But what needs to be taken into account is that these tales were originally written in German and more importantly these tales have been documented taking them from the oral medium.

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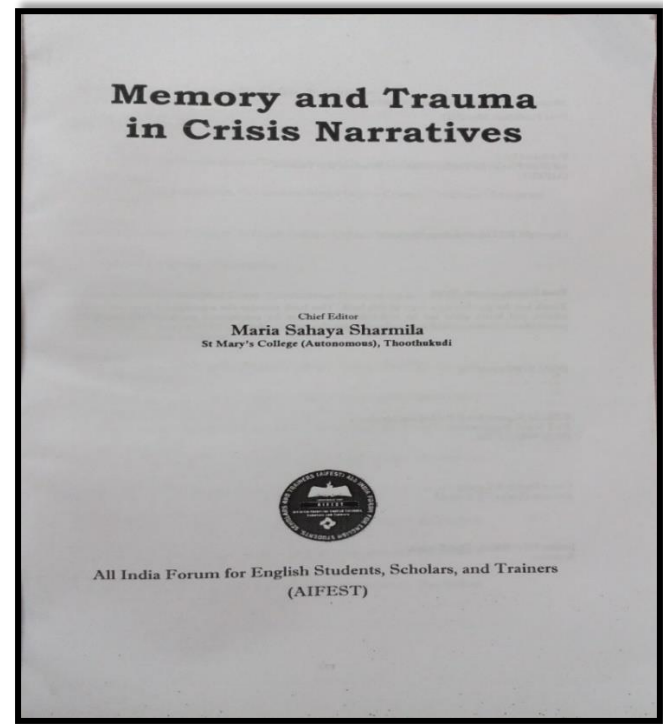
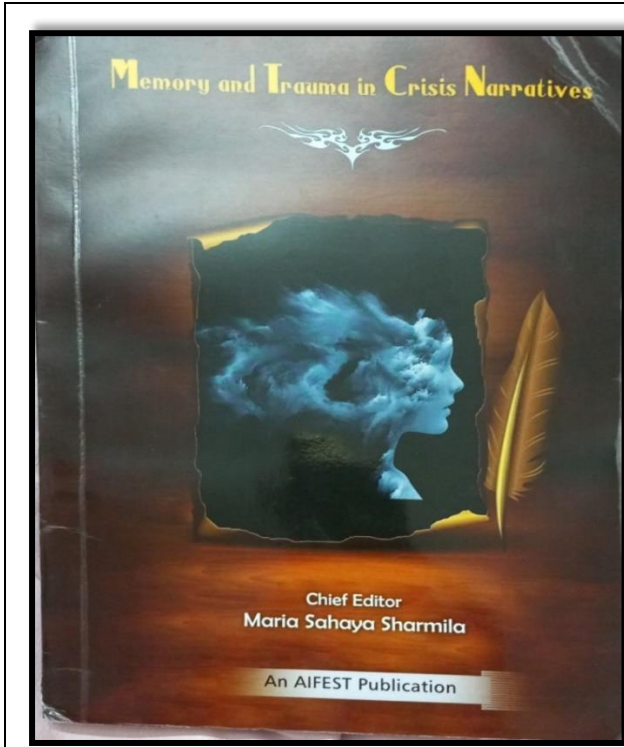
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Memory and Trauma in Crisis Narratives

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Intergenerational Transmission of Trauma and Memory in Reema Moudgil's *Perfect Eight*

Dr Soumana Biswas, Assistant Professor, Department of English, K K Das College

Abstract

In this paper, I propose to analyze the concept of intergenerational transmission of trauma and memory in the context of the traumatic event of Partition through the novel *Perfect Eight* written by Reema Moudgil. In the novel, the daughter Ira carries within her the memories of her mother who was a victim of Partition riots. Moudgil quite aptly represents how children of parents who had experienced the horrors of Partition riots feel burdened by their parental memory. While the memories and experiences of her mother shapes her life and experiences, it also haunts her in a certain way as the life of Ira is disturbed and displaced because of the experiences of her mother. This concept of intergenerational transmission of trauma and memory will be studied by using the theoretical framework of 'postmemory' as expounded by Marianne Hirsch in the context of Holocaust where she defines postmemory as the relationship that the 'generation after' bears to the experiences of the generation that survived the traumatic event.

Keywords: Partition fiction, postmemory, trauma, displacement

Reema Moudgil writes *Perfect Eight* (2010) with "the idea of Partition dividing India even today" (as mentioned in an interview that appears in *Sangat Review*). In this novel she presents the entire journey of the life of the second-generation character of Ira, the first person narrator of the novel who inherits her mother's sense of fear and loss of happiness as she says in the beginning of the novel: "I learnt from her to smell grief before it struck" (Moudgil 3). Ira already 'knows' the past and she presents her connection to her mother even when she is in her womb. The body which nourished her in the womb also shared with her the experiences which shaped her and teaches her to "trust pain more than happiness" (Moudgil 14). The novel presents Ira's life from her childhood to adulthood and takes the form of a Bildungsroman where she depicts her mother's narrative from her perspective and how her life has been defined and guided by her mother's traumatic experiences. All characters and actions are narrated from Ira's perspective and how she comprehends life happening around her. K. Yeshoda Nanjappa writes: "Narrating is perhaps the best way of remembering.... The entire text thus is an act of remembering" (74). It is not until the end of the novel, where we meet adult Ira that we come to know the name of the narrator. This is indicative of the fact that the entire novel is in the form of remembering from the perspective of adult Ira who doesn't think her name is worth revealing until she forges an identity of her own.

Ira talks about her mother only as Ma and does not mention her name anywhere in the novel. This is characteristic of works which depict second generation postmemorial experiences as the narrative is that of the daughter. Thus Ma's identity is only that of being Ira's mother. Rather than focusing on the individuality of the characters by mentioning their names, Moudgil has tried to draw our attention to the intensity of the mother-daughter relationship and the almost similar type of existence that both these characters have. Ira's life is intricately bound to her mother's as both of them suffer from misfortunes throughout their life. Laurie Vickroy talks about "the mother/daughter relation as an important locus of identity formation and perpetuation of traumatic identities" (Vasan 90) in contemporary narratives of trauma.

Till the age of five, Ira's mother was brought up in a prosperous home in Lahore but she is uprooted when the communal riots start and the parents are killed when their house is set on fire. She is saved as she was playing in the backyard when this incident took place. Later she takes refuge in a neighbouring Muslim household who hide her and keep her away from danger. She is then sent to Kanpur to the house of a friend of her father with Tai, a Hindu cleaning woman of the neighbourhood. Ira's mother reaches Kanpur safely under the watchful guidance of Tai. Significantly Tai, the figure of the saviour completely disappears from the narrative after Ira's mother reaches a place of safety away from the chaos of the Partition riots. This brings to the fore a curious class bias on the part of Moudgil who erases the plight of a woman belonging to the lower class from her narrative.

The journey that she undertakes on foot provides a detailed description of the atrocious conditions faced by people during the communal riots. Moudgil mentions the situation of trains during Partition which is now all too familiar to the readers as it has become an integral part of the narrative about the Partition: "Trains



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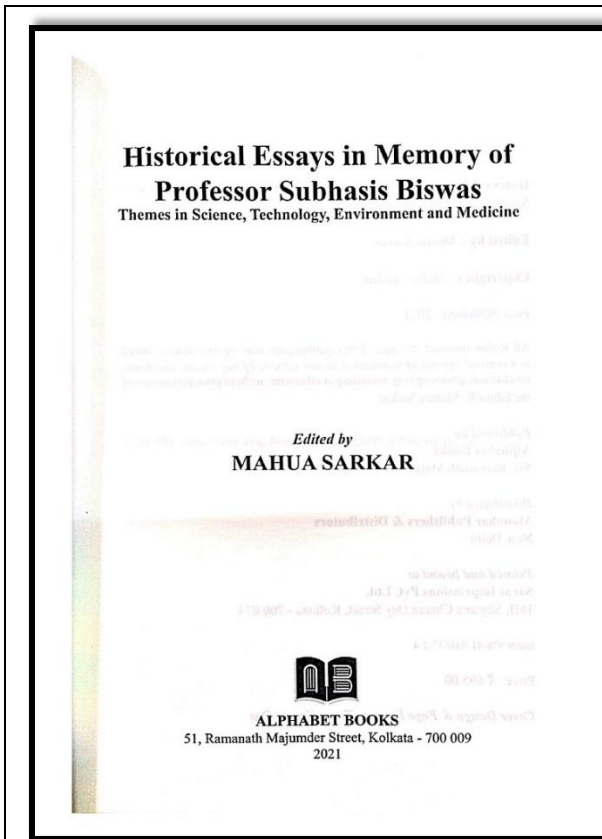
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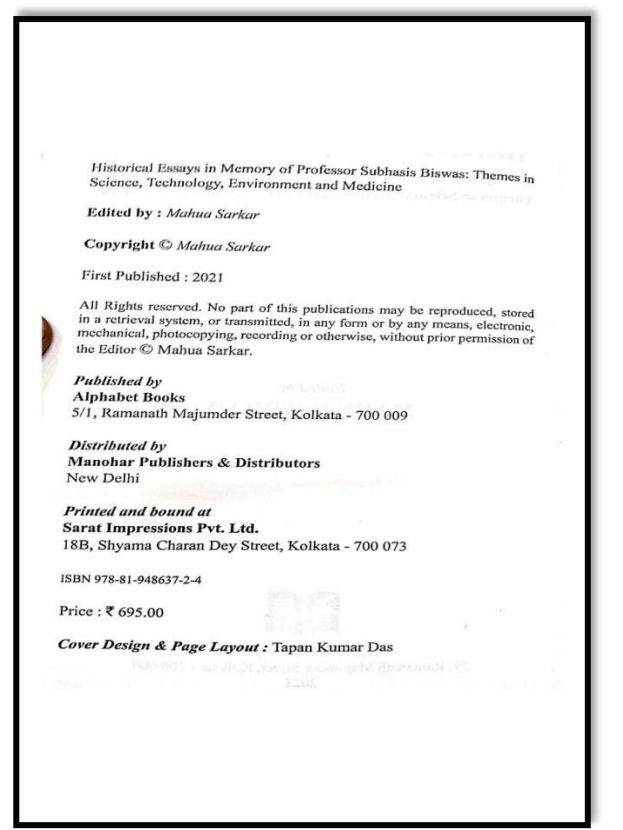


**Historical Essays in Memory of
Professor Subhasis Biswas**
Themes in Science, Technology, Environment and Medicine

Edited by
MAHUA SARKAR



ALPHABET BOOKS
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**Cartography in Early Colonial India 1764-1777:
The Works of James Rennell**

Deblina Biswas

Abstract

James Rennell was the first Surveyor-General of Bengal and later Surveyor-General of India. During the late eighteenth and early nineteenth century, there was a transaction of knowledge between Europe and its colonies which was the precursor of modern world system. James Rennell's contributions in the growth of cartography in colonial India, is the honest mark-bearer of this transaction. In this article my intention is to discuss the contributions of James Rennell in the formation of a different kind of knowledge making process that had exceeded the boundaries of metropole-periphery and needed a special analysis beyond the Saidian version of Orientalist discourse.


Keywords: Cartography, Globalization, Colonialism, Orientalism, East-West relationship, Geography

From the Age of Expansion in the world history, maps have acted as the tools of expansion of the imperial rule. As Joseph Conrad demonstrates in his book, *Heart of Darkness*, mapping became one of the most dramatic illustrations of existing power during the nineteenth century imperialism. According to the novels on imperialism which *Heart of Darkness* exemplifies, maps can be read as a form of language. Maps communicate not only information but also attitudes. Moving beyond a simplistic investigation of whether maps are accurate or inaccurate, an examination of cartography as a language of empire illuminates important elements of the process of imperial expansion and consolidation. In this article I would like to focus on James Rennell and his contributions to the cartographical epistemology in the context of early colonial India. James Rennell was the first Surveyor-General of Bengal and later Surveyor-General of India. During the late eighteenth and early nineteenth century, there was a transaction of knowledge between Europe and its colonies which was the precursor of modern world system. James

**Situations
and
Contexts**

NARRATIVES ON NINETEENTH
CENTURY BENGAL

Editor
Prasanta Ray


HYPHEN

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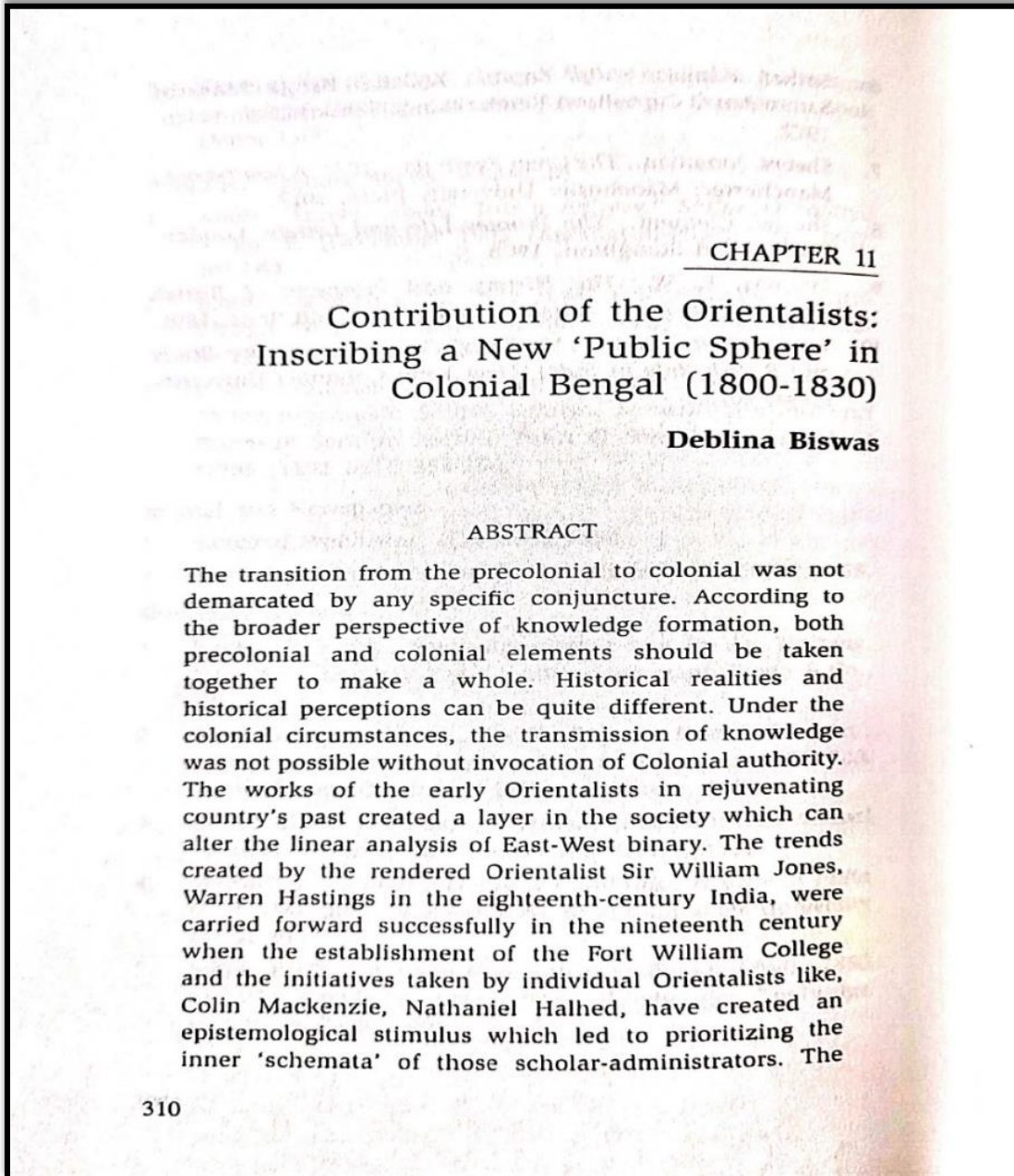
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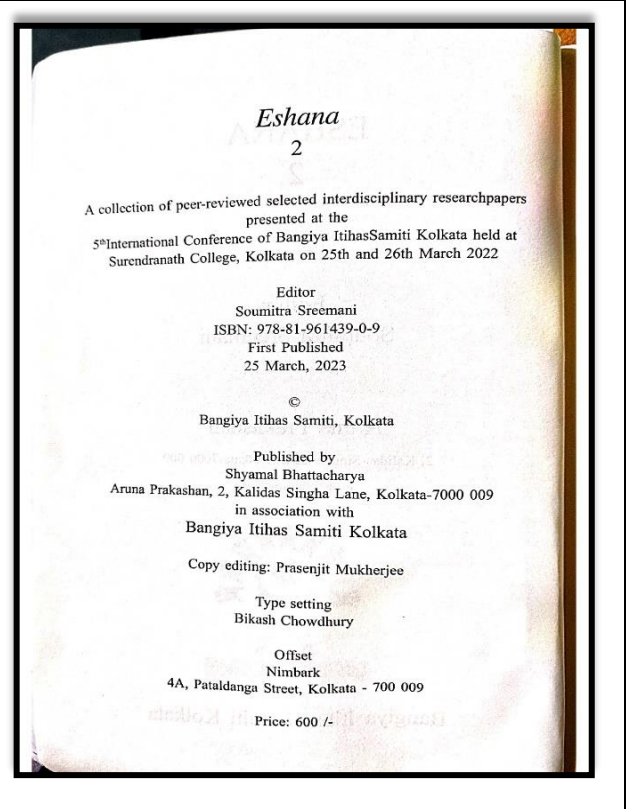
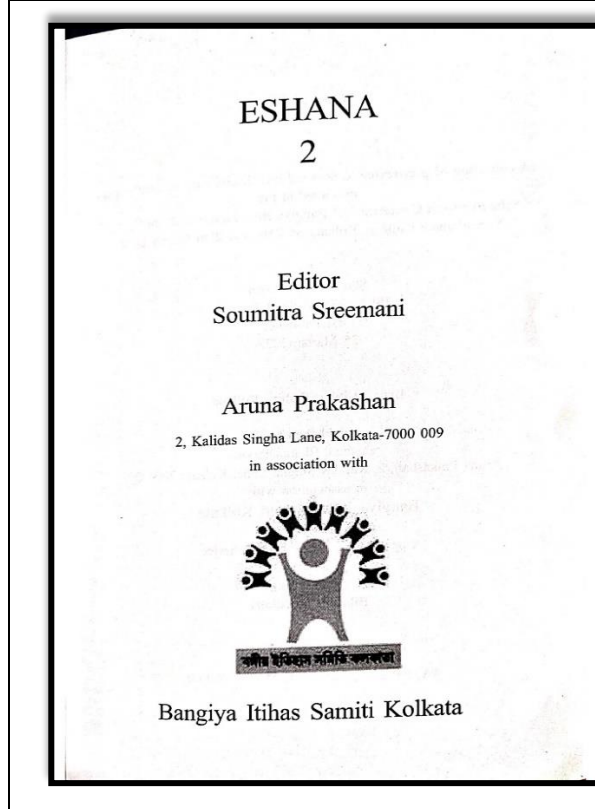
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Knowing the Country : Era of Warren Hastings

Deblina Biswas*

Abstract: The most significant legacy of colonial rule during the post-colonial era, was the emergence of Orientalism as a discourse by Edward Said from 1978 onwards. The relationship between East and West was portrayed as a staunch binary in the best possible way. But the linear explanations of a much more complicated phenomenon like the interaction between the metropole and the colony, need deeper attention. Colonial rulers in the late eighteenth century treated India much differently than it had been assumed by post-colonial scholars. There were various layers of changing circumstances behind this interaction. My argument in this article is that in the light of the post-colonial studies, the coming of the East India Company can also be interpreted as the exposure of India to the world through a complicated process of acculturation, and not only through binaries. Connection with the outer world was there since the flourishing time of the Indo-Roman trade in ancient India. But this period of European connection had fostered a unique image of India in the eyes of the whole world that altered the way by which Indians investigated their own selves. The term Orientalism was coined as an epistemology much earlier. But in the post-colonial era, the term has been merged with the term 'Orientalism' as a discursive process by which the West dominates the East. In this article, my primary concern will be to differentiate both meanings from each other through a critical examination of the patronisation of indigenous cultures and customs by Warren Hastings contextualizing him within the vast historical time and space of British India.

Keywords: orientalism, governmentality, acculturation, pandits, knowledge, ambiguity.

British attitudes towards India encompassed a variety of layers. Colonial state-building and the formation of knowledge are the processes that went on side by side from the advent of the Britishers in India. The earlier colonial administrators of the East India Company were deeply indulged in knowing the country that they were governing. In doing so, they have widened the lenses through which the West sees the East and the East comprehends the West. In the post-colonial era, the term 'Orientalism' as epistemology has been merged

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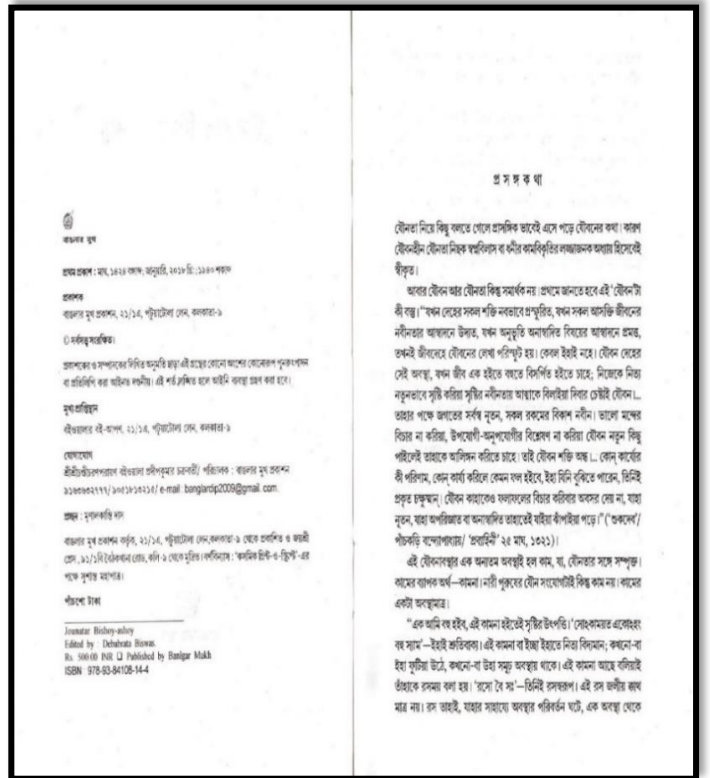
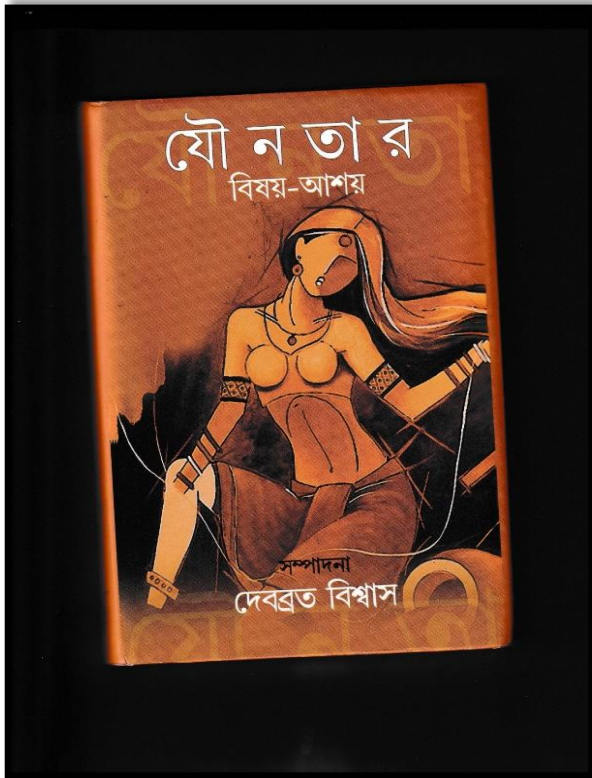
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শ্রেয়সী সরকার

'বেশ্যা', 'গণিকা', 'পতিতা', 'বারাঙ্গনা' ইত্যাদি শব্দের হেরফের যাই হোক না কেন, মূল অর্থ হল, যে নারীরা দেহবাবসার সঙ্গে যুক্ত। যদিও বিভিন্ন যুগে অথবা বিভিন্ন ঐতিহাসিক লিখিত উপাদানে ভিন্ন ভিন্ন শব্দের পৃথক সংজ্ঞা দেওয়া হয়েছে, তবুও সেই বিতর্কে না গিয়ে পাঠকের সুবিধার্থে আমি মূলত 'বেশ্যা' বা 'গণিকা' শব্দদুটি ব্যবহার করেছি। বলাই বাহুল্য এই পেশাটির সঙ্গে 'যৌনতা'র ধারণা অঙ্গসঙ্গীভূতভাবে যুক্ত।

পৃথিবীর বিভিন্ন দেশে, বিভিন্ন ঐতিহাসিক যুগে যৌনতার ধারণাটি সম্পর্কে পরস্পর বিরোধী মতামত পাওয়া যায়। কিন্তু ভারতবর্ষের মতো দেশ, যে দেশ ঔপনিবেশিকতার অভিজ্ঞতা নিয়ে এগোচ্ছে, সেখানে প্রাক-ঔপনিবেশিক ও ঔপনিবেশিক ধারণার বিরোধে অতিরিক্ত স্পষ্ট। সামন্ততন্ত্র থেকে ধনতন্ত্রে উন্নীত হওয়া, রূপান্তরিত ইউরোপের রেনেসাঁ উদ্ভূত জ্ঞান অথবা যুক্তির (rationality) কাঠামোতেই ইংরেজ প্রভুরা তাদের প্রজাদের 'সভ্য' করে তুলতে চেয়েছিল। এর প্রভাবে গড়ে উঠেছিল যা কিছু 'আধুনিক'—সাহিত্য, বিজ্ঞান সমাজ সংস্কার, সংস্কৃতি ইত্যাদি সব কিছু। রানী ভিক্টোরিয়ার নৈতিকতাই হয়ে উঠেছিল 'সভ্যতার' একমাত্র নিদর্শন। শরীর ও যৌনতা বিষয়ক চিন্তাভাবনাও এর বাইরে ছিল না।

এককথায় অন্যান্য প্রাক-ঔপনিবেশিক আর্থ-সামাজিক পরিবর্তনের সঙ্গে সঙ্গে গণিকা বৃত্তিতেও একটি পরিবর্তন সূচিত হয়। ঔপনিবেশিক ক্ষমতার সাম্রাজ্যবাদের নীতি মেনেই ঔপনিবেশের যৌননীতিকে স্বাভাবিক সভ্য ও প্রজার সংশোধনার্থে ইংরেজ শাসক, যাবতীয় আচার, সংস্কারকে পরিবর্তিত করে ভিক্টোরীয় নৈতিকতার আদলে বাংলাকে গড়তে চেয়েছিল। ব্রিটিশ আইন ও প্রশাসনের অভিঘাতে বাংলার প্রাক-ঔপনিবেশিক সকল বর্গই পরিবর্তিত হল 'নখিবন্ধ' ও 'নখিবহীন'—এই দুটি ভাগে।



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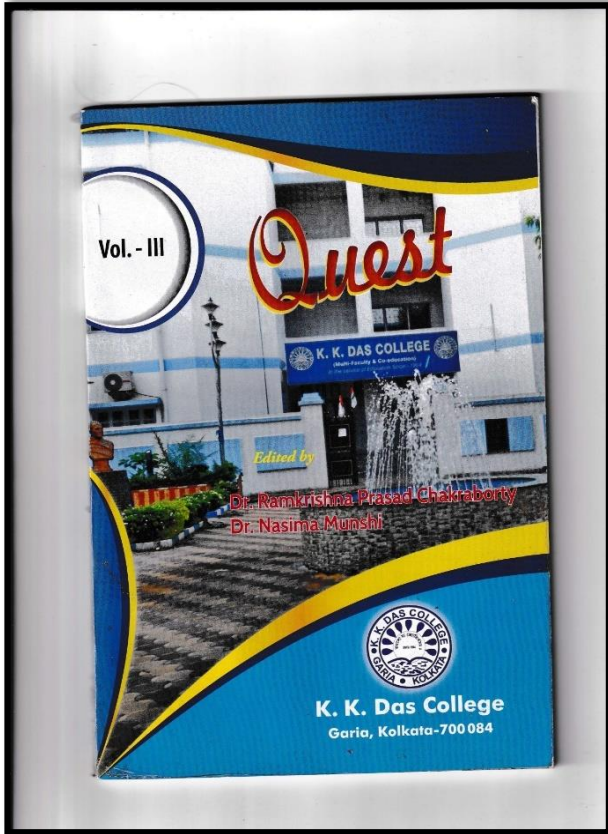
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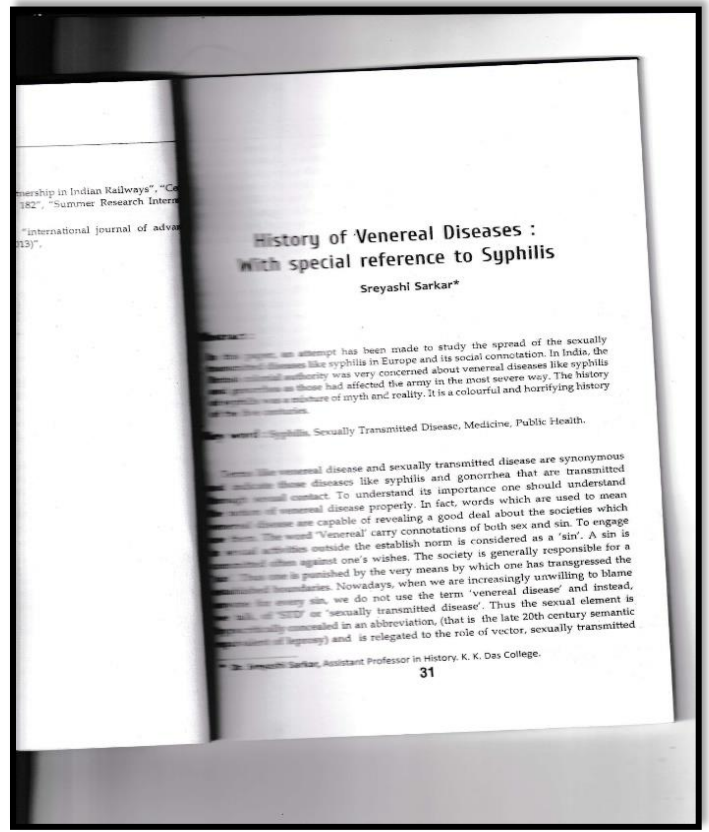
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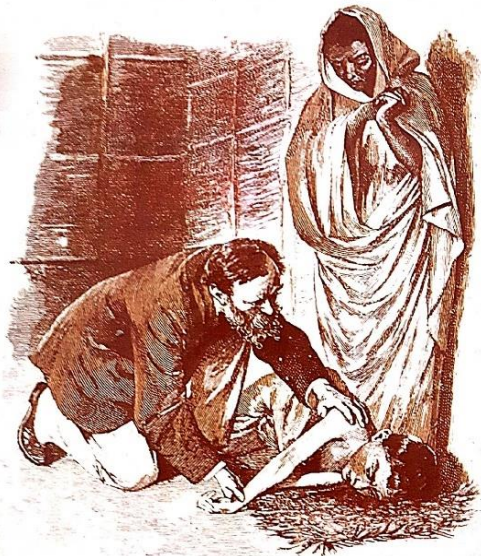
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Health has a History Revisiting Bengal

Edited by Suvankar Dey



Foreword by Prof. Deepak Kumar

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7

Sexually Transmitted Disease and Health of the Prostitute : An Early Twentieth Century Scenario in Bengal 1900-1950

SREYASHI SARKAR

Sexually transmitted diseases (henceforth mentioned as STD) are more vital than many other infections prevailing in the communities. It is important that such dynamic epidemiological changes in STDs are acknowledged and kept track of in a developing country like India, particularly in the HIV era.¹ In the colonial times, prostitutes were initially seen as a threat to the army because of the prevalence of STDs among these women, which were transmitted to the army. The medical and legal interventions in these fields were therefore directed to protect the army and the proper well being of these women were of secondary importance. The terminology of venereal diseases has been largely superseded in the twentieth century by sexually transmitted diseases (STD) and more recently by 'sexually transmitted infections' (STI). To some writers, 'venereal disease', came to be viewed as a narrow and pejorative term limited to gonorrhoea, syphilis, canceroids, lymphogranuloma venereum and granulomainguinale and related venereal disease control laws. The term STD more easily incorporates the many newly




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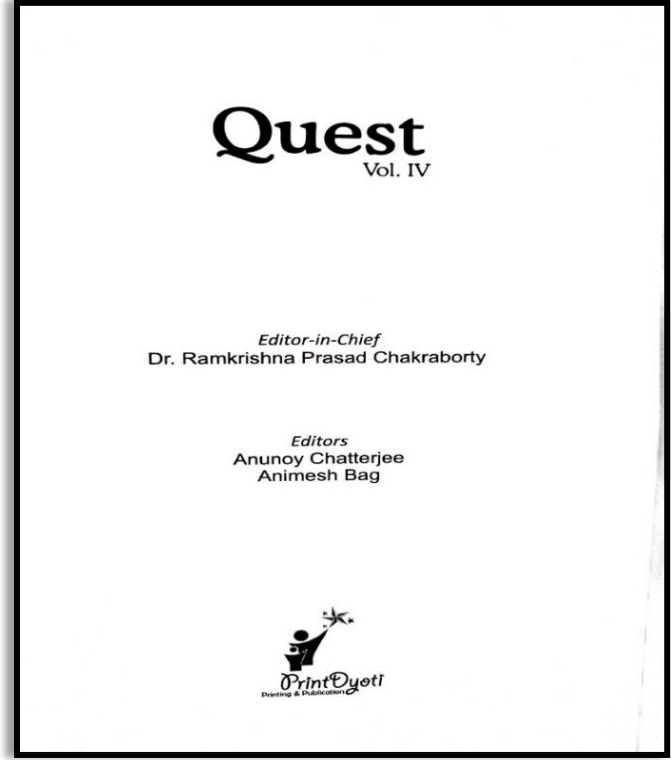
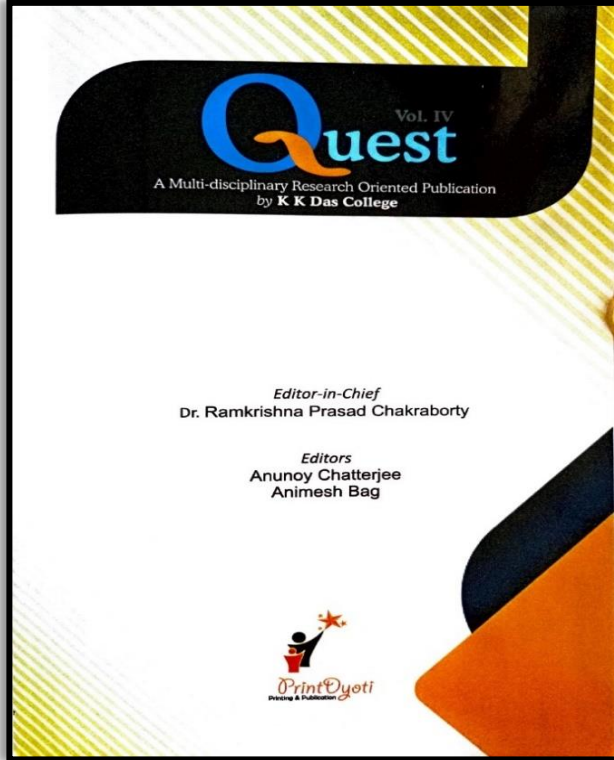
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LAW AND PROSTITUTION IN POST INDEPENDENCE INDIA

Dr. Sreyashi Sarkar *

Abstract

Following the principle of toleration the Indian Parliament enacted the Suppression of Immoral Traffic in Women and Girl's Act (SITA) in 1956 and amended it in the name of the Immoral Traffic (Prevention) act (ITPA) in 1986. These acts are applicable at the national level. Prior to these enactments some city level and state-level Acts related to prostitution was in force. For example, the Calcutta Police Act 1860 followed by the Bombay Police Act 1887 and Madras City Police Act 1888, contained provisions mainly to check soliciting for the purpose of prostitution in public places. Between 1923 and 1953 separate laws were enacted relating to prostitution, but these were repealed as soon as the SITA (1956) became effective, because a central law was more effective to the cause.

Keywords: Prostitution, Laws, Anti Trafficking Laws

Introduction

The history of the enforcement of prostitution laws in India is not very different from that of other countries of the world .Following the principle of toleration, the Indian Parliament enacted the Suppression of Immoral Traffic in Women and Girls Act (SITA) in 1956 and amended it in the name of the Immoral Traffic (Prevention) Act (ITPA) in 1986.¹ At the outset, the Suppression of Immoral Traffic in Women and Girls Act (SITA) embodied a mix of the policies of suppression of promiscuous sexual activity on one hand and the toleration of prostitution on the other.² Immoral Traffic (Prevention) Act (ITPA) in 1986 criminalises prostitution but does very little to bring the Traffickers to the book. As a result, women and children continue to be subjugated to immoral trafficking but have little resort to justice. Also, the rate of conviction of the offenders under the Act is abysmally low

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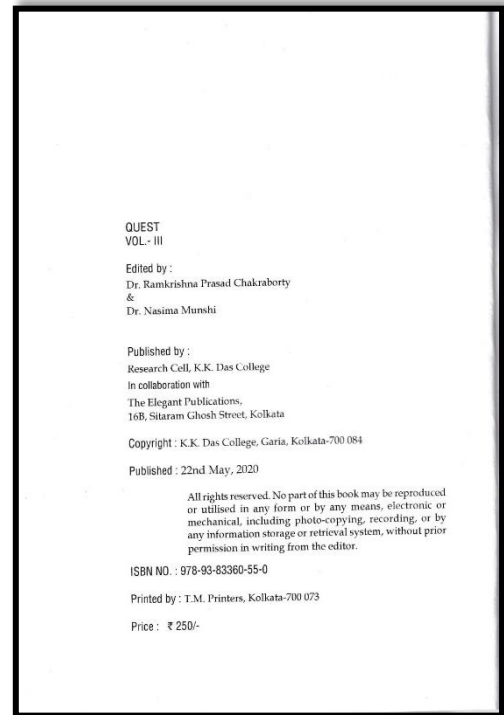
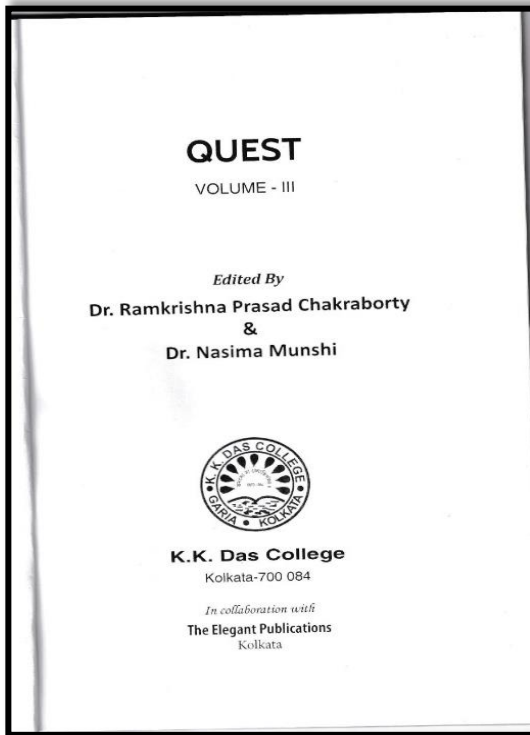
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Some Aspects of Progressive Cultural Movement in Bengal

(1943-1964)

Sucharita Sengupta*

In this paper entitled "Some Aspects of Progressive Cultural Movement in Bengal (1943-1964)", I would like to present the vivid picture of the colonial and post colonial Bengal in respect of socio-cultural movement and its consequences. It enhanced to create a new art form which is "progressive" and "real" in every aspect. I have divided this paper into two phases- in the first phase I have shown the colonial period where the socio cultural movement was propagated against the imperial rule and fascism, in the second phase I have analyzed the post colonial time where the socio cultural movement witnessed a massive change with the inclusion of peace movement and with the ongoing issue of anti fascism. In these two phases we observed how the art form have been used as the means of protest movement, though during the post colonial phase the aspiration of an independent state failed to execute by the peasant and labour class in spite of their admiration and participation which created a great amount of stir among all classes. Through this process class consciousness, patriotic zeal, sense of humanism worked together to develop a socio cultural protestant movement altogether to give a new impetus to socio cultural life of the people and also motivated a new art form.

I

The era of fascism began where that of World War I ended. After the great war, European states were in economic and political crisis and there was little trust that the established elite would solve them. This offered an opportunity for a new political movement to cultivate the discontent spread widely over Europe.

* Sucharita Sengupta, Guest Lecturer in History, K. K. Das College

With the dawn of 20th century event began to move faster. Deep figures were becoming visible in the world of imperialism for a savage war for redivision of world market. Against the machination of ruling classes the revolutionary movement of the working class and colonial people were gathering a momentum. The First world war marked the breakdown of the western civilization of the 19th century. The decades from the outbreak of the First world war to the aftermath of the second, was an Age of Catastrophe for the society and human race as well. Certain characteristic of European Fascism found an echo overseas like in Arab, south east Asian countries and other parts of the world. From 1930's onwards in Germany, Italy, Spain, Japan & other countries had witnessed the outcome of fascist power with all the correspondence. Germany's Hitler, Mussolini of Italy, Emperor of Japan, General Franco of Spain tried to establish their dictatorship on the name of subjugation. After depriving the power of democracy and liberation, fascist powers stretched its arm with imperialism throughout the world scenario.²

After the invasion on Abyssinia, Spain, France by the fascist power the intellectuals started thinking about the consequences. Many modernist and progressive thinkers started organising and uniting the intelligentsia of the western part. Their main objectives were to built peoples work which only serve and sustain the mass. Fascism got certain amount of negative parameter throughout the world that these people started organising anti-fascist movements which seriously brought a great amount of artist, scientists, writers all together.³ In 1932, under the leadership of Romain Rolland "World Congress against Fascism and War" was built in Amsterdam. With the inclusion of Communism throughout the east and west, in 1935 at the 7th congress of communist International conference they called for antifascism joint front and also they invited all the anti-imperialist countries to come forward and organised a movement against capitalism and fascism as well.⁴ Another world poet who supported the cause and its programmes was Rabindranath Tagore. The communists who had formulated the "United Front" theory in face of fascist threat promoted literacy equivalent of the front in the form of International Brigade. Consisting largely of eminent writers and intellectuals fighting in defence of Spain,⁵ The movement had been initiated by some progressive thinkers and intellectuals of the world who formulated the theory of "progressiveness" by their art forms and literature. These gave impetus to organize a movement around the world to raise protest against these issues.

Several organizations were built up throughout the world specially western part of the world against the imperialist powers and fascist rulers. But in India none of this organization can be built before 1940-1941 as the situation was far more complex due to colonization. In this situation on 1936, All Indian Progressive Writers Association came into existence. The first conference of this organization was held at Lucknow. Indian nationalists led by Jawaharlal Neheru, Sarajini Naidu were in contact with AIPWA till 1946.⁶ In Bengal, the friends of the Soviet




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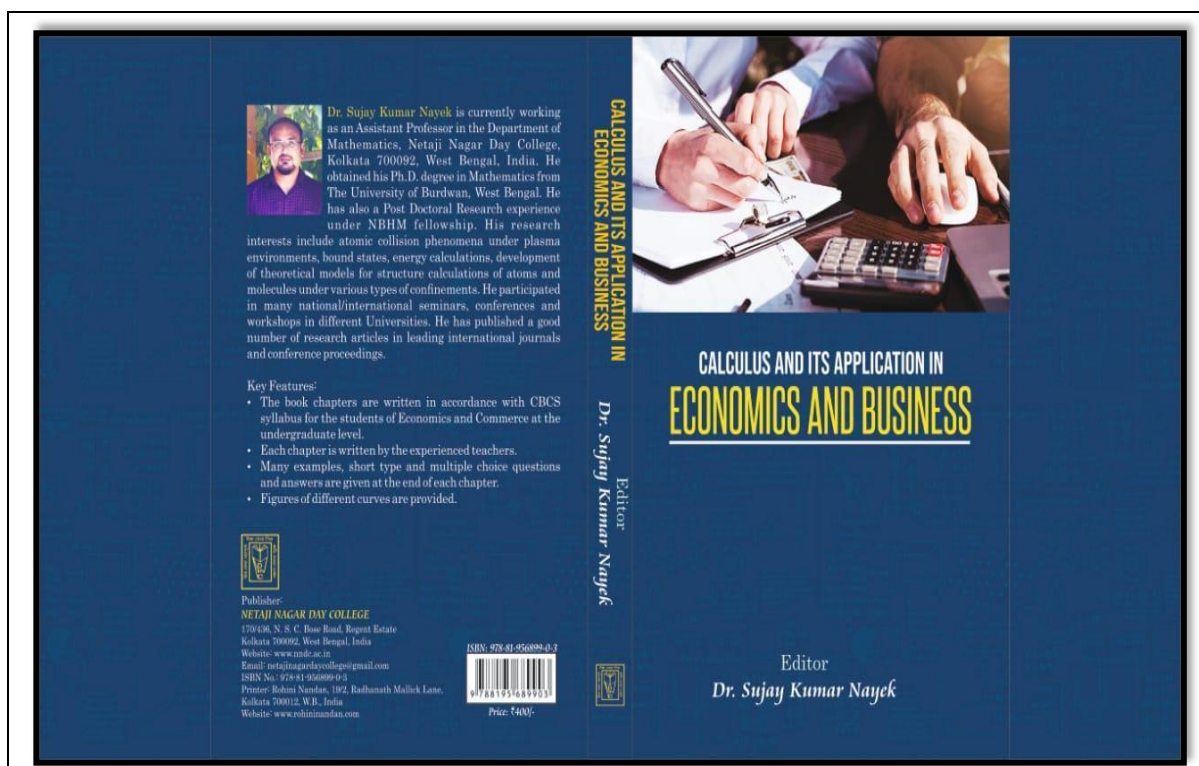
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Calculus and Its Application in Economics and Business

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Chapter 5

Integration

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Abstract

In this chapter integration is described. Geometrical significance of integration is given. General rules of integration and some standard formulas are given and illustrated by examples. The area of a region bounded by curves is calculated by using integration. The application of integral calculus in Commerce and Business is discussed and illustrated by examples.

5.1 Introduction

Integration can be described in two ways. It can be considered as the inverse process of differentiation. In differential calculus we have studied the techniques of finding the derivatives of different given functions. Sometimes it is needed to get the original function when the derivative or rate of change or the slope of its graph is given. We can find the required function

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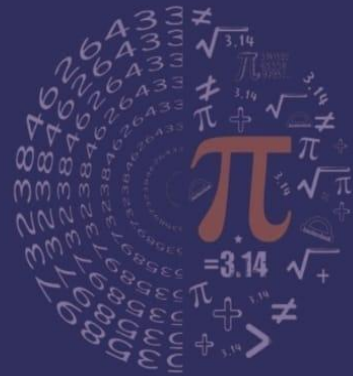
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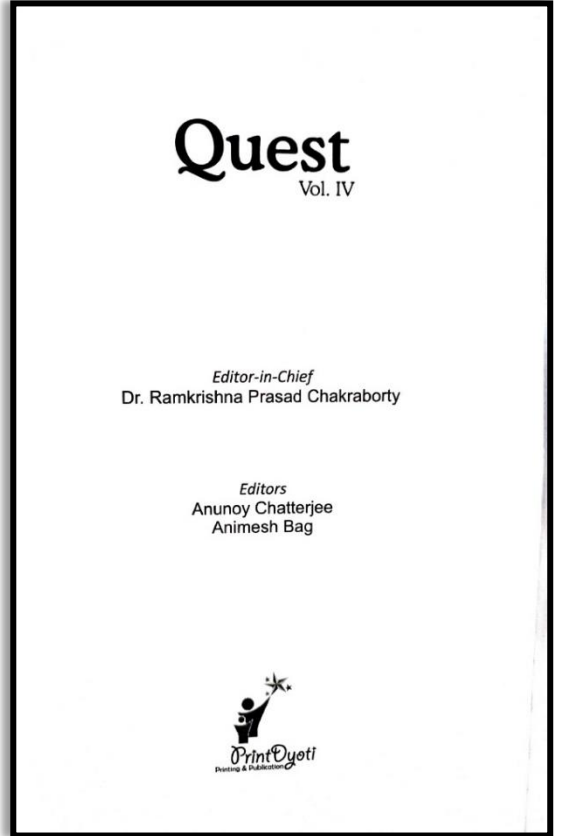
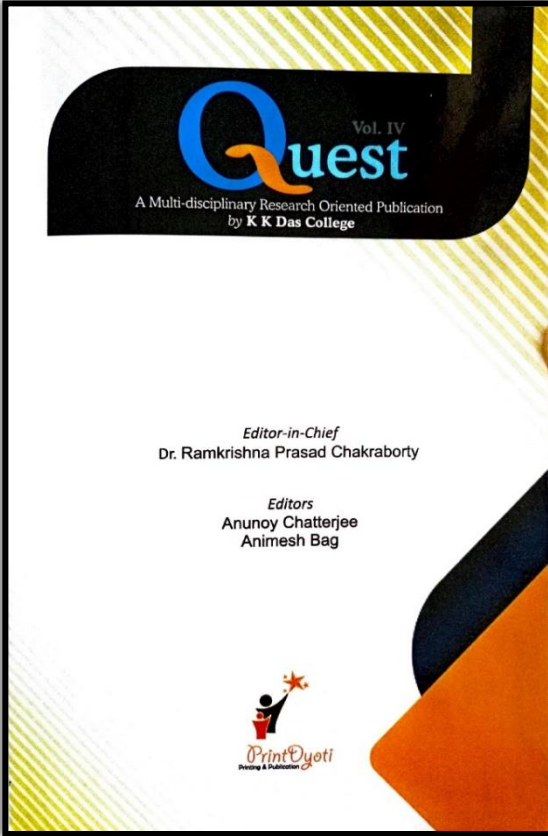
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IMPACT RESPONSE DUE TO A TORSIONAL LOAD ON A NONHOMOGENEOUS CYLINDER BONDED TO AN ELASTIC HOMOGENEOUS HALF-SPACE

Dr. Nasima Munshi *

Abstract

Impact response due to a torsional load on a non-homogeneous cylinder is considered. The cylinder is bonded to an elastic homogeneous half-space. Torsion is applied by a rigid disc attached to the plane face of the cylinder. Using Laplace and Hankel transforms the mixed boundary value problem is reduced into Fredholm integral equations of second kind. Solving the integral equations, the analytical expression of stress intensity factor is obtained in the Laplace transform domain.

Keywords: Impact, Torsion, Non-Homogeneous Cylinder, Laplace and Hankel Transforms, Fredholm Integral Equation

2020 Mathematics Subject Classification: Mechanics of deformable solids: code 74B99

Introduction

Study of nonhomogeneous composite material is a rapidly progressing branch of solid mechanics. It has wide application in various fields of science & engineering. The material properties of this type of material vary continuously. The stress analysis becomes complicated when the material contains crack, particularly if the loading is time dependent. So, it is very useful to analyse the stress intensity factor around a crack and the effect of sudden torsion in non-homogeneous composite materials.

Many researchers have studied this kind of problems. Eason[4],

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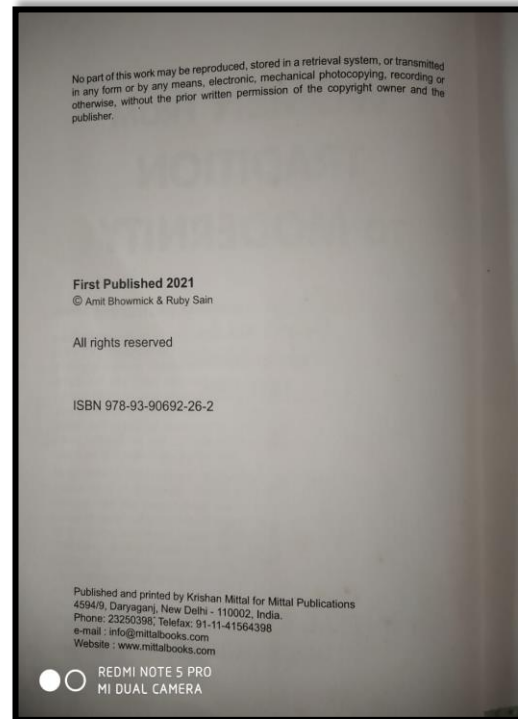
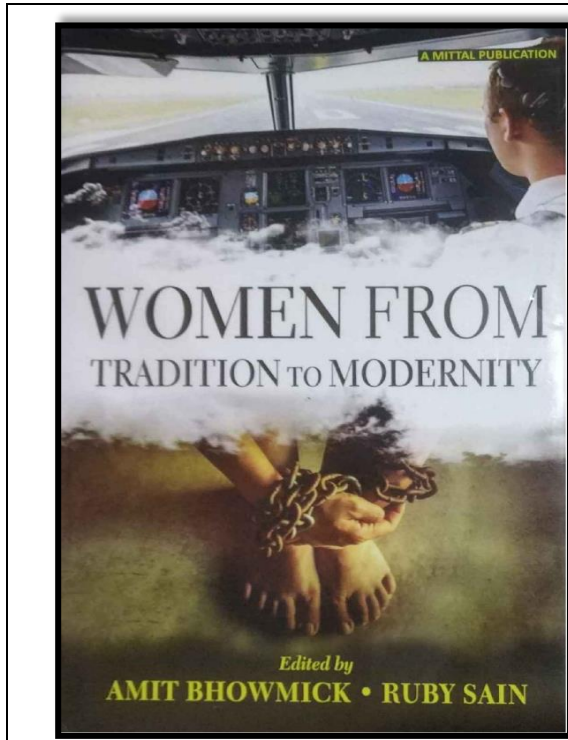
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EDUCATION EMPOWERMENT IN COLONIAL INDIA: A Contribution of Savitribai Phule

BIDYA RATAN TIKADER

Introduction

The concept of traditional and modernity are very much known to all human societies, which is widely used as a polar theory of social change and India has in no way stayed away from the touch of this social change and empowerment, which is become a popular and relevance in recent times to describe an enabling process for socially marginalized persons (Singh, 2006), lower caste communities (like dalits or untouchables) and groups to gain advantage and opportunities otherwise non-available to them. By means of education and empowerment of people, do get control over their lives by way of awareness that helps in exercising greater control. The Empowerment renders people in a position where they can do what they want to do. It also energizes people psychologically to accomplish their goals. From institutional point of view the right environment is set through the process of empowerment and such circumstances are created as help people use their faculties and potentialities. In order to achieve empowerment the women should have access to those modes and mediums by means of which they can express their self-actualization (ibid, 2006). Although the idea of women's empowerment was the most difficult in colonial




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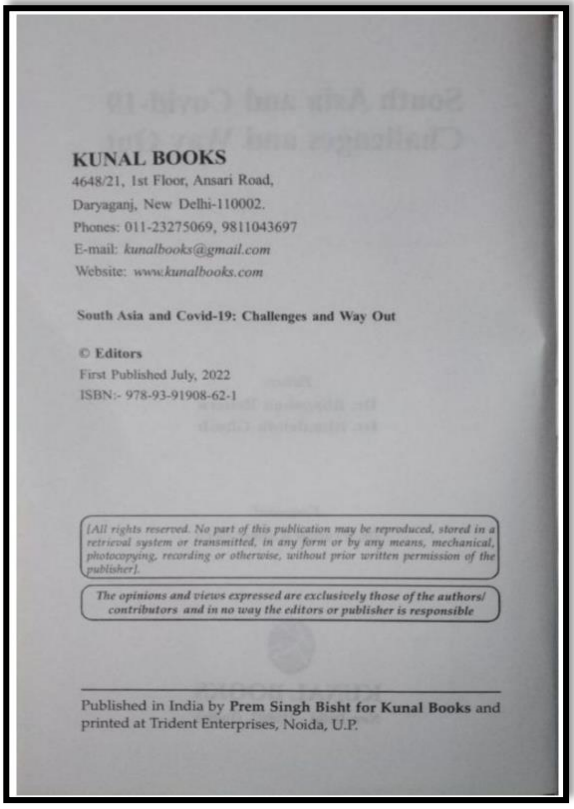
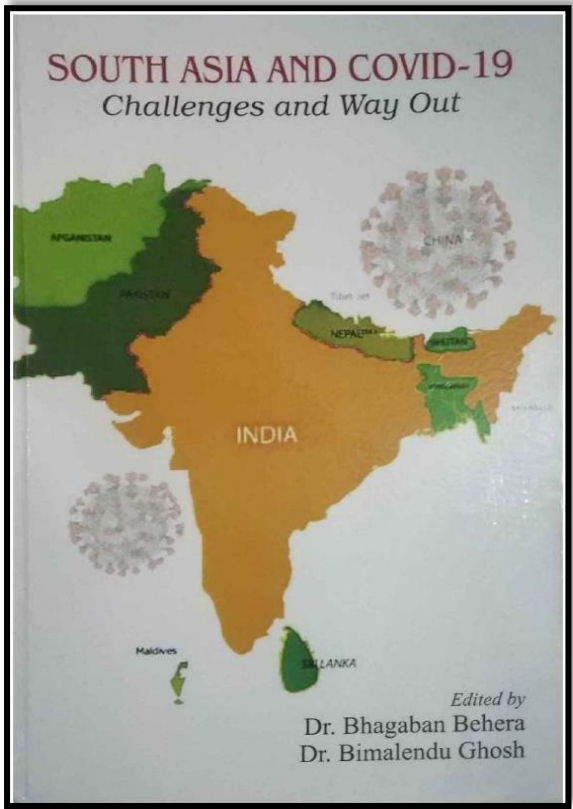
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2

COVID-19 PANDEMIC DOMINATION IN RURALITY: A PSYCHO-SOCIAL EFFECT

Dr. Bidya Ratan Tikader

Abstract

Today is an era of environmental challenges in the evolution in the world over, and Pandemic Globalization is a hackneyed word and it means different things to different society. All the countries are facing growing impendence of different changes and losses under the current covid-19 epidemic. The constant threat of getting diseases has drained a lot of rural citizens emotionally and socially. The positive and negative effects of globalize Covid-19 that resist on rural poor communities, both in developed and developing territorial Border. In order to deal with the Corona epidemic, we need to carefully assess the situation from its diverse social, health, economic aspects and appraise our own capacities to enhance our own effectiveness and sense of inner strength. Because, if not, in the future it can be said that a social problem will be created in the rural society. In this paper, talks about an overview of impacts of pandemic Covid-19 to rural society with special reference to citizens and rural farmers.

Keywords: *Pandemic, Epidemic, Covid, Corona, Farmer*

Introduction:

From the time when the rise of Globalization, the world has become more and more closely connected and people can easily interact among each other with or without facing any serious barriers and that time it can be say that the global pandemic of COVID-19 is not going to end very soon in a moment. There are some arguments to support the statement. The most recent number of COVID-19 affected cases and death in the universe indicates that the number

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Impact Of Ict Serviceson The Empowermentof Tribal Women Community: A Socio-Economic Analysis

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Abstract

The current modern ICT service formation is primarily about the ability to electronically input, process, store, output, transmit and receive data with information. This information and communication technology services are increasingly being used in a variety of fields such as agriculture, education, medicine, tourism etc. As we know, a gender gap between male (82.14%) and female (65.46%) literacy rate remain high at 16.68 as per 2011 Census. Although, the use of ICT service and its contribution to socio-economic development of women community is generally becoming more intense in developed countries than in developing countries and also in urban areas than in rural areas due to the challenges posed by the digital divide and other factors. It is an important fact that, no society can advance without women progress; they should be given equal scopes in almost half of the population. With the help of the Information and Communication Technology Services (ICT) revolution, empowered women can shape and improve the implementation of broader developments in agriculture that will influence rural society. This article provides an overview of the extent of ICT service's role and adoption in various fields in farming that contribute to socio-economic development in developing countries and rural areas, communities have a variety of possible ways to maximize the potential benefits they receive & empowered from ICT services.

Keywords: ICTS, Development, Rural, Empowerment.

Introduction

Although in every society, it is said that the women gender has not been considered as a helpful category but is seen as evil, fruitless, wasteful and defeating (as cited in Gupta, 2018). Yet empowerment of women through information and communication technology (ICT) services has evolved into as an international movement. However, empowerment is a complex concept and it is interpreted in different ways. It comes from the term "empower" which means to give empower or authority and to enable or empowering (Shrinidhi et al, 2018). These empower or authority can be achieved through poverty reduction, increased awareness of universal education, improved health awareness among these women. In addition, they need to preserve their natural habitat by examining the environmental damage that occurs regularly taking place in their natural home. The issue of empowerment can be understood as empowering the weaker sections like poor women especially tribal women to acquire power and resources for their own decision-making. Their primitive way of life, economic and social backwardness and low education literacy, believes in superstition, physical infrastructure of backward tribes and population values of tribal areas show the need for women's empowerment. Empowerment is envisaged to help reduce the gender system substantially and will enable women to play social roles, which they cannot perform without it. In Indian society, this means helping women to enjoy their constitutional and legal rights to equality in real life (ibid). Human resource development attached an equally to both women and men. Women act an equal role even in the sustainability of development through the world but the consequences of development are distributed unevenly among the males and females. Although a lot has been said and debated on this issue, yet gender discrimination amongst the subtle is one of the utmost pervading forms of

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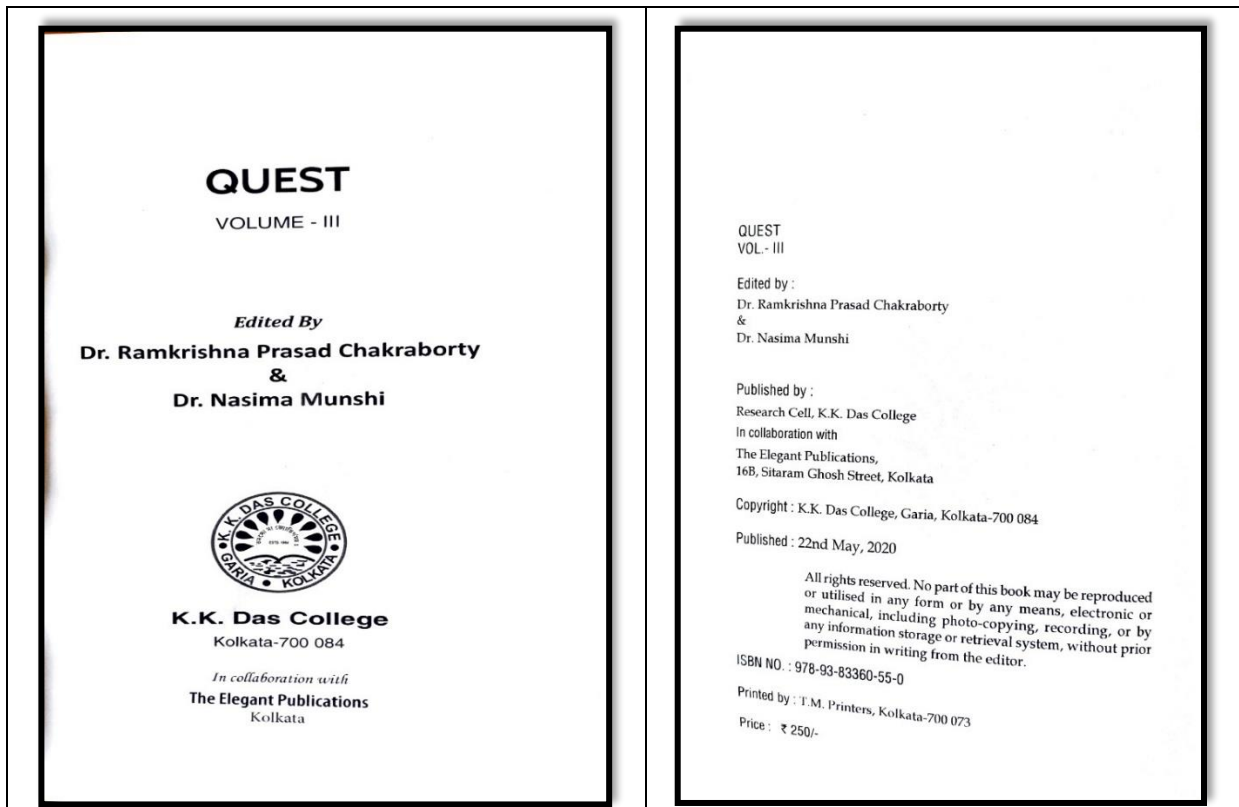
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Editorial

We are glad to present to the readers the third volume of 'QUEST'. Quest started its journey in the year 2014 as a multidisciplinary bilingual book. The objective of this book is to provide a platform to the faculty members of K. K. Das College to express their thoughts through publication of their original, empirical and high quality research works. This book also aims at highlighting new directions in contemporary research.

This volume consists of nine articles. The faculty members of the departments of Statistics, Commerce, History, English and Bengali have contributed their articles in this volume. An ardent effort has been made by the contributors to incorporate recent developments in various fields. The articles cover a wide array of topics ranging from financial inclusion or the banking sector to Indian Railways in Commerce, a search on the history of venereal diseases worldwide to progressive cultural movement in Bengal in History, understanding of Dalit writings and horror fiction in Literature, a discussion on the prolific Bengali writer Samaresh Basu about his alias Kalkut, a discourse on Manik Bandopadhyay's novel "Padma nadir majhi" in the realm of folk literature and so on.

The editors acknowledge and thank the authors for their contributions. They also express their gratitude towards the proof readers and the publisher for their cooperation without which it would not have been possible to carry on this task. And last but not the least special thanks goes to the future readers for whom the book is targeted.

The authors have put in their best efforts to throw light on various aspects in newer perspectives using their own thoughts and interpretations on the already available information. We sincerely hope that these articles open up further discussion among the writers and readers and thus the eternal quest for knowledge leads to more upcoming volumes of "Quest".

Editors

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Loop Semi variant optimization

Asgar Ali*

Abstract

Loop invariant variables are those, whose value does not change inside the loop. The computations which involve only loop invariant variables can be moved outside the loop. It is called loop invariant optimization [1]. In this content, we are able to move few non loop invariant variables also outside the loop. These variables are called loop semi variant variables and these optimization are called loop semi variant optimization.

Introduction

In the following program variables t, g, p, q and r are loop invariants because they are not modified in the loop. Hence computations involving them $r+q$, $p+q$ and $r*q$ are invariant. In the optimized program they are put at loop entrance.

Given program

```
While (t<s+a)
{ if (s>r+q) a=p+q;
  if (g<r*s) a=r*q;
  if (r>q) b=a+g
  s=a+s+b;
}
```

Optimized program (Step 1)

```
A=r+q;B=p+q; C=r*q;
While (t<s+a)
{ if (s>A) a=B;
  if (g<r*s) a=C;
  if (r>q) b=a+g
  s=a+s+b;
}
```

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