

Education & Research, Chennai and Arunachal Olympic Association to jointly collaborate and work to promote research and innovation in sports science in the Universities/Institutes so as to bring up the research in sports at par with international level leading as high performance centers through scientific training to sports persons.

### Objective of the seminar

The seminar will be organized with the following objectives:

- To attempt to shed light on the status of women's empowerment in India through games and sports and highlight the issues and challenges of women empowerment in the field of physical education and sports.
- Operating as a clearing house for sharing research, information, ideas and good practices and promoting research into problems and issues relating to the female athlete
- Accelerate efforts to promote women's leadership and equality in governance models, prevent and respond to gender-based violence, close the gap in investment in women's sport and promote equal economic opportunities, promote women's equal participation and bias-free representation in media, and provide equal opportunities for girls in sport, physical activity and physical education
- To help the women in sport and to meet, exchange and share ideas on best practices and create and strengthen a network of all women involved in sport in India

### Sub-Theme of the Seminar

- Benefits for women and girls of physical activity and sports
- Benefits of women's participation for sports and society
- Career in women participation in sports
- Media and women participation in Sports
- Research on women and sports
- Enhancing women's confidence and leadership through sports
- Challenging stereotypes and reducing discrimination
- Clothing and girls' participation in sports
- Gender equality and empowerment of women through Sports
- Sports Training, Sports Biomechanics, Sports Physiology, Sports Psychology, Sports Nutrition
- Yoga
- Sports Management, and Sports Equipment

**Award for Best Paper: The best innovative paper will be awarded**

### Sub-Theme of the Seminar

Submission of Abstract & Full length paper : **5th November 2022**  
 Notification of Acceptance : **6th November 2022**  
 Last date of Registration : **7th November 2022**

### Instructions for submission of abstract and full paper

Abstract: This section should detail the problems, experimental approach, major findings and conclusion in one paragraph. Avoid abbreviation, diagram and references in the abstract. Keywords: Author(s) must give about 4-6 key words which can identify the most important subjects covered by the paper. They must be placed at the end of the abstract. (Approx. 250 Words)

The title should be concise, and the author's name, affiliation, and E-mail should be placed below the title.

Typing Format for full paper: space-double space, font style- Arial, font size-12 (Title of the paper-14), format MS word format 97-2000. Authors have to follow APA 7th edition referencing style while preparing their manuscripts.

Format for full paper: Title of Paper, Introduction Related to Topic, Objectives, Methodology, Sampling Method, Tools for Data Collection, Statistical Analysis of the Data with Tables and Figures, Result/ discussion of Findings/Conclusion and References etc. The selected peer-reviewed papers shall be published by a reputed publisher with ISSN/ISBN

### Link for registration and sending paper

<https://forms.gle/SxAffPxybxBgZmZk6>

Email: [seminar.ped@rgu.ac.in](mailto:seminar.ped@rgu.ac.in)

### Registration and accommodation details

Category	Upto November 7, 2022	November 8-15, 2022	Spot Registration
Delegates	₹2000/-	₹2500/-	₹3000/-
Research Scholars/ Students	₹1500/-	₹2000/-	₹2500/-
Local Delegates	Without accommodation: ₹1000/-	Without accommodation: ₹1200/-	Without accommodation: ₹1500/-
Local Research Scholars/ Students	Without accommodation: ₹800/-	Without accommodation: ₹1000/-	Without accommodation: ₹1200/-

### Account details for registration

The registration fee needs to be paid through bank transfer, the details of which are given hereunder:

Bank Name : Bank of Baroda  
 Account Name : HoD, Physical Education  
 Branch : Arunachal University, Doimukh  
 Account No. : 83420100002870  
 IFSC Code : BARBOVJARUN

↓  
Zero

For Research Scholars/Students identity proof has to be submitted. Registration Fees includes seminar kit, High tea, Lunch & Dinner. Free accommodation shall be provided outstation participants on a shared basis.

### Conference venue and route direction

The conference will be held in the campus of the Rajiv Gandhi University, Rono Hills, Doimukh, Papumpare, Arunachal Pradesh situated a top Rono Hills on a picturesque tableland. In November, the average high-temperature slightly decreases from a moderately hot 26.6°C (79.9°F) in October to a still warm 23.6°C (74.5°F).

Participants can reach Guwahati by Train/ Flight. The Nearest Airport is Guwahati and Dibrugarh.

1. Lokpriya Gopinath Bordoloi International Airport (GAU), Borjhar, Guwahati: from airport to Rajiv Gandhi University campus is 345 km. From Guwahati Railway Station take a train to reach RGU and Get down at Harmuti/Gumto Railway Station

Train no	Ghuwahati time	Harmuti Rly station	Gumto Rly station
GHY NHLN VISTAD (12088): Runs On: Mon Thurs Sunday	13:45	19:13	-
DONYI POLO EXP (15817): Runs On: All days	23:15	-	6:15

2. From Mohanbari Dibrugarh Airport to Rajiv Gandhi University campus is 190 km. One can reach by private taxi or train. If you are coming by train get down at Harmuti Railway station

Train no	Dibrugarh Railway station	Harmuti Rly station
TSK NHLN VISTA (15907): Runs On: Tue Wed Fri Sat Sun	15:00	18:15

3. From New Delhi Railway Station: Get down at Harmuti Railway station

Train no	ANAND VIHAR TRM Railway station	NEW DELHI	Harmuti Rly station
ARUNACHAL EXP (22412): Runs On: Thurs Sun	16:45	-	05:10
DBRG RAJDHANI (20506) Runs On: Thurs Sun	-	11:25	23:20

Distance from Harmuti Railway station to RGU=12 Km

Distance from Gumto Railway station to RGU=5.5 Km

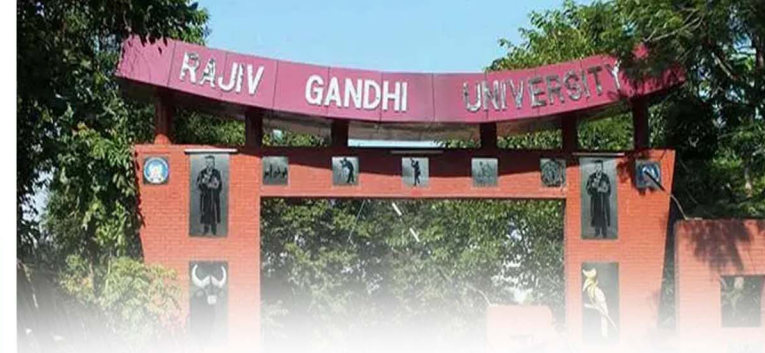
### Contact details

**Dr. Sambhu Prasad**  
 Organising Secretary  
 Contact no.: +918132977221

**Mr. Sangey Tsering**  
 Joint Organising Secretary  
 Contact no.: +917628810197

Seminar email id: [seminar.ped@rgu.ac.in](mailto:seminar.ped@rgu.ac.in)

University website: <https://rgu.ac.in/>



## TWO DAY NATIONAL SEMINAR ON WOMEN IN SPORTS TODAY AND BEYOND

November 21 - 22, 2022

Organized by  
 Department of Physical Education and Sports Sciences  
 Rajiv Gandhi University (A Central University)  
 Arunachal Pradesh

In support of  
 National Commission of Women  
 Government of India, New Delhi



## SPECIAL GUEST



**Ms. Lovlina Borgohain**  
Indian boxer

## EMINENT SPEAKERS



**Prof. J. R. Verma**  
Vice-Chancellor  
Sri Sri Aniruddhadeva Sports  
University of Assam, Assam



**Prof. Vivek Pandey**  
Vice-Chancellor (Officiating)  
LNIPE, Gwalior



**Prof. M. Sundar**  
Vice-Chancellor,  
Tamil Nadu Physical  
Education And Sports  
University, Chennai

## ORGANIZING COMMITTEE

## Chief Patron



**Prof. Saket Kushwaha**  
Vice-Chancellor  
Rajiv Gandhi University,  
Arunachal Pradesh

## Patrons



**Prof. A. Mitra**  
Pro-Vice Chancellor,  
Rajiv Gandhi University,  
Arunachal Pradesh



**Dr. N. T. Rikam**  
Registrar,  
Rajiv Gandhi University,  
Arunachal Pradesh

## Programme Director



**Prof. T. Lungdim**  
Dean, Faculty of  
Physical Education & Sports Sciences,  
Rajiv Gandhi University,  
Arunachal Pradesh

## Convener



**Dr. Anil Mili**  
Assistant Professor & Coordinator,  
Sports Sciences,  
Department of Physical Education, RGU

## Organizing Secretary



**Dr. Sambhu Prasad**  
Associate Professor & Head,  
Department of Physical Education  
& Sports Sciences, RGU

## Joint Organizing Secretaries



**Mr. Sangey Tsering**  
Assistant Professor  
Department of Physical Education



**Dr. Vivek Kumar Singh**  
Assistant Professor  
Department of Physical Education



**Dr. Tadang Minu**  
Assistant Professor  
Department of Physical Education



**Dr. K. Rojeet Singh**  
Assistant Professor  
Department of Physical Education

## ADVISORY COMMITTEE

1. **Dr. B. C. Kapri**, Professor, Department of Physical Education, BHU, Varanasi (U.P)
2. **Dr. Subhash Basumatary**, Former Regional Director at SAI, Guwahati, Assam
3. **Dr. G. Kishore**, Principal & Regional Director, SAI LNCPE, Trivendrum, Kerala
4. **Dr. Guru Dutt Ghai**, Professor, Laxmibai National Institute of Physical Education (Deemed University), Gwalior (M.P.) India
5. **Dr. Brij Bhushan Singh**, Professor, Dept. of Physical Education, Aligarh Muslim University, Aligarh
6. **Dr. Anil Ramachandran**, Professor, Dept. of Physical Education & Sports Science, Kannur University, Kannur, Kerala
7. **Dr. Pushkar Vohra**, Director, CBSE, Ministry of Education, Government of India, New Delhi
8. **Dr. G. S. Ruhel**, Sports Officer, CCS University, Meerut (U.P)
9. **Dr. Prasanta Kumar Das**, Professor & Head, Dept. of Physical Education, Tripura University, Tripura
10. **Dr. Shankar Basumatary**, Professor & Dean, LNIPE, NERC, Guwahati
11. **Dr. Rajesh Kumar**, Professor, Dept. of Physical Education, Osmania University, Hyderabad
12. **Dr. P. Ravi Kumar**, Professor, Dept. of Physical Education, NIT, Warangal
13. **Dr. L. Santosh Singh**, Dept. of Physical Education & Sports Sciences, Manipur University, Imphal

## About Arunachal Pradesh

Arunachal Pradesh, meaning "Land of the Rising Sun," long has been a recognized region of the Indian subcontinent, receiving mention in such ancient Hindu literature as the Kalika-purana and the epic poems **Mahabharata** and **Ramayana**. Formerly known as the North East Frontier Agency (NEFA). Popularly known as 'Land of the Dawn-lit-Mountains'. Located on the northeastern tip of India with its borders touching China, Bhutan and Burma (Myanmar), this beautiful land is endowed with dazzling array of flora and fauna that is sure to allure any tourist. More than 500 rare species of Orchids are found in the dense jungles of Arunachal Pradesh. Arunachal Pradesh finds its mention in the literature of Kalika Purana and the great Hindu Epic Mahabharata. It is believed to be the Prabhu Mountains of the Puranas. According to a Hindu mythological legend, Arunachal Pradesh was the place where sage Parshuram washed away his sin, sage Vyasa meditated, King Bhishmaka founded his kingdom and Lord Krishna married his consort Rukmini. Tribal peoples in Arunachal Pradesh wear distinctive garments and headdress. The art of weaving is especially important, and textile designs are unique to each group.

Most of Arunachal Pradesh's terrain consists of deep valleys flanked by highland plateaus and ridges that rise to the peaks of the Great Himalayas. The major rivers of the state are the Brahmaputra and its tributaries—the Dibang [Sikang], Lohit, Subansiri, Kameng, and Tirap. Arunachal Pradesh's diverse terrain, climate, and soils are reflected in its fauna and flora. About two-thirds of the state is forested, with a wide belt of swampy rainforest lying along the foothills.

## About Rajiv Gandhi University

Rajiv Gandhi University (formerly Arunachal University) is the premier institution of higher education in the state of Arunachal Pradesh completing thirty-seven years of its existence. Late Smt. Indira Gandhi, the then Prime Minister of India, laid the foundation stone of the University on 4th February 1984. Subsequently, it started its postgraduate teaching from the academic session 1988-89 at Rono Hills, where the present campus is located. The University was converted into a Central University by an Act of Parliament of India which came into force from 9th April 2007 as per a notification of the Ministry of Human Resource Development (MHRD), Government of India. The campus at Rono Hills is nestled on a picturesque tableland in the outskirts of Itanagar, the capital of Arunachal Pradesh. It is at a distance of 6.5 km from the National Highway 415 which leads to Itanagar. Rajiv Gandhi University with its motto "Vidhyamritshute" i.e. "Excellence and Immortality through nectar of Education" has been striving to maintain high standards in both teaching and research. Years of concerted efforts have shown the signs of qualitative and quantitative progress. The university boasts of its sea of alumni. An Alumni Association of the University is functional. In a span of around four decades (39 years), the Rajiv Gandhi University has matured into an institution with proven academic excellence, social commitment and cultural interest with a clear vision for its future growth.

## About the Department of Physical Education

Department of Physical Education constituent units of Rajiv Gandhi University (A Central University) established in the year 2015 to promote physical education and develop an interest among people regarding the need and importance of sports and exercise which is a medium to improve the community health. In Arunachal Pradesh department of physical education is the lone department. The syllabi of the courses are so designed as to prepare professionally qualified leaders and teachers in physical education. The infrastructures developed are as per the NCTE standard and norms. A team of competent and dedicated teachers are engaged in relentless pursuit of excellence in Physical Education and Sports for health, fitness and wellness of the citizens. Department was offering Bachelor of Physical Education (B.P.Ed.) since its inception and full time Doctor of Philosophy (Ph. D) programme from 2019-20 onwards. The department conducts various activities under its extension programme, and also provides yoga classes, football training, boxing training, leadership camp. As per the need of hour, department organised workshop, webinars, invited lectures etc to provide latest information to the aspirants of Physical Education and Sports Sciences.

## About the Centre of Excellence &amp; Department of Sport Sciences

The Centre of Excellence was established at Rajiv Gandhi University, Rono Hills, Doimukh Arunachal Pradesh funded by Ministry of Youth Affairs and Sports (MYAS), Government of India during 2020 under the MYA&S, GOI Scheme of NCSSR. The Department has courses like Certificate, Master's and Ph.D. degree programmes in the core areas of sports sciences (Exercise Physiology, Sports Biomechanics, Sports Anthropometry, Strength Training & Conditioning and Sports Training), aimed at improving sports assessment and research to International standard. Qualified and specialized faculty with well-equipped labs along with a comprehensive learning environment offered will provide the students a perfect atmosphere to excel in this emerging area with unlimited opportunities. Rajiv Gandhi University has also signed an MOU with Ministry of Youth Affairs & Sports, Government of India, Sri Ramachandra Institute of Higher



RAJIV GANDHI UNIVERSITY  
CENTER FOR DEVELOPMENT STUDIES  
DEPARTMENT OF ECONOMICS  
Special Lecture Series 2022-23  
Lecture 5: Data Science: Old Wine in a New Bottle



14<sup>th</sup> September, 2022  
Time: 2.45 PM Venue: Conference Hall

**Chief Patron**

Prof. Saket Kushwaha  
Vice-Chancellor  
Rajiv Gandhi University

**Resource Person**

**Indranil Mukhopadhyay**  
Professor and former Head,  
Department of Human Genetics,  
Indian Statistical Institute, Kolkata

**Patron**

Prof. Amitava Mitra  
Pro Vice-Chancellor  
Rajiv Gandhi University

**Organizing Chairman**

Prof. Vandana Upadhyay  
Head, Department of Economics  
Coordinators Center for Development  
Studies

**Organizing Secretaries**

Dr. Prasenjit Bujar Baruah  
Assistant Professor  
Department of Economics,  
RGU

Dr. Anup Kumar Das  
Assistant Professor  
Department of Economics,  
RGU

**About the Speaker:**



**INDRANIL MUKHOPADHYAY** is a Professor and former Head of Human Genetics Unit at the Indian Statistical Institute where he has been a faculty member since 2008. Prof. Mukhopadhyay completed his post-graduation and received Ph.D. from University of Calcutta. He pursued his research interests in Time Series Analysis for his doctoral work with Prof. Adhir Kumar Basu. After a stint of teaching in the Statistics Department at St. Xavier's College in Kolkata and University of Burdwan, he went to the USA to study Statistical Genetics and Genomics as a post-doctoral fellow with Prof. Daniel E. Weeks at the Department of Human Genetics, University of Pittsburgh. Indranil has authored more than 50 papers, all published in reputed international journals. His versatility extends to many areas of data science including times series analysis, statistical genomics, single cell data analysis, data integration, machine learning, statistical inference, public health etc. His work on how to control the spread of COVID-19 and how to determine the number and duration of lockdown hit the news (Times of India) immediately. Prof. Mukhopadhyay visited various international institutes and universities like Harvard University, University of California at Davis, University of Missouri, National University of Singapore, Agro Paris-Tech, INRIA, France, Glasgow University, International Centre for Theoretical Physics at Trieste, Italy etc.





CENTER FOR  
DEVELOPMENT STUDIES  
DEPARTMENT OF  
ECONOMICS  
RAJIV GANDHI  
UNIVERSITY



Special Lecture Series 2022-23

Lecture 5: Data Science: Old Wine in a New Bottle



14<sup>th</sup> September, 2022

Time: 2.45 PM Venue: Conference Hall



### Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
1.4	CDS Special Lecture Series	4
2.0	Organising Committee	5
3.0	About Special Lecture Series	6
3.1	Theme: Data Science: Old Wine in a New Bottle	6
3.2	Details of the Resource Persons	6
3.3	Sponsoring Agency	6
3.4	Expenditure Incurred	6
4.0	Detail Programme	6
5.0	Outcome of the Program (Main points of the Lecture)	7
6.0	Annexure	8
6.1	Brochure	8
6.2	Photographs	9
6.3	List of Attendance	10



## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a University with potential for excellence by a high-level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the State. The University offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The Department of Education also offers B.Ed. programme. There are 45 (forty five) colleges affiliated to the University. The University has been extending educational facilities to the students from the neighboring States, particularly Assam. The strength of students in different Departments of University and in affiliated colleges has been steadily increasing. The Faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the University. The various Departments regularly organize Seminars, Workshops and Conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the University and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the University. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the University has been maintaining its academic excellence. The University has strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the University have found placements not only in State and Central Government Services, but also in various



institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

### **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

### **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.

### **1.4 CDS Special Lecture Series:**

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. Academicians from across the country and abroad are invited to deliver such lectures. Some of the speakers of the previous lectures were Prof. Seema Bathla, Centre for the Study of Regional Development, School of Social Sciences, JNU, New Delhi; Prof. Rajarshi Majumder Department of Economics, University of Burdwan, West Bengal; Dr. Uma Rani, The Research Department, International Labour



Organization (ILO), Geneva; Dr. Ambika Aiyadurai, Department of Humanities and Social Sciences, IIT, Gandhinagar, Gujarat, and Prof. Mrinal Kanti Dutta, Faculty of Humanities and Social Sciences, IIT Guwahati, Guwahati. This present lecture is the Fifth lecture of this lecture series.

## 2.0 Organising Committee


<p style="text-align: center;"><b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Patron</b> Prof. Amitava Mitra Pro Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Organizing Chairman</b> Prof. Vandana Upadhyay Head, Department of Economics Coordinator Center for Development Studies</p>
<p style="text-align: center;"><b>Organizing Secretaries</b> Dr. Prasenjit Bujar Baruah Assistant Professor Department of Economics, RGU &amp; Dr. Anup Kumar Das Assistant Professor Department of Economics, RGU</p>



### 3.0 Special Lecture Series 2022-23: Lecture 5

#### 3.1: Theme: Data Science: Old Wine in a New Bottle

#### 3.2: Details of the Resource Persons:

	<p style="text-align: center;"><b>Indranil Mukhopadhyay</b> Professor and former Head, Department of Human Genetics, Indian Statistical Institute, Kolkata</p>
---	--

3.3: Sponsoring Agency: Centre for Development Studies, Department of Economics, Rajiv Gandhi University

3.4: Expenditure Incurred: Rs.4700/-

#### 4.0 Details Programme:

2.45 pm- 2.50pm	Welcome Address	Prasenjit Bujar Baruah, Assistant Professor, Department of Economics
2.50 pm– 2.55pm	Brief Introduction of the Speaker	Prof. Vandana Upadhyay, Head, Department of Economics & Coordinator Center for Development
2.55 Pm- 3.40 pm	Lecture by the Speaker	Indranil Mukhopadhyay, Professor and former Head, Department of Human Genetics, Indian Statistical Institute, Kolkata
3.40 pm- 3.45 pm	Concluding remarks by the Chair person	Prof. Amitava Mitra, Pro Vice-Chancellor Rajiv Gandhi University
3.45pm- 3.50 pm	Vote of Thanks	Anup Kumar Das, Assistant Professor, Department of Economics

## 5. Outcome of the Program (Main points of the Lecture)

The session started with the welcome address given by Dr. Prasenjit Bujar Baruah, Assistant Professor, Department of Economics. Thereafter, Prof. Vandana Upadhyay, Head, Department of Economics and Coordinator Centre for Development Study introduced the speaker to the audience.

Prof. Mukhopadhyay started with the point that there is no difference between data science and statistics; as statistics itself by definition is the collection, tabulation, classification and analysis of data. However, the scope of the study of statistics/ data science has widened over the years. He stated that everyone analyses data in their day to day life. For example, a village old man while crossing the road also analyses data (unknowingly) regarding the speed of the cars plying in the road before crossing it. Similarly, a driver, also analyses data while driving a car.

Prof. Mukhopadhyay added that data is a precious asset for any organization. It helps firms understand and enhance their processes, thereby saving time and money. Wastage of time and money, for example in case of a terrible advertising decision, can deplete resources and severely impact a business. The efficient use of data enables businesses to reduce such wastage by analyzing different marketing channels' performance and focusing on those offering the highest rate of return. Thus, a company can progress without increasing its advertising expenditure. However, data is meaningless until its conversion into valuable information. Data Science involves mining large data sets, containing structured and unstructured data and identifying hidden patterns to extract actionable insights. The importance of data science lies in its innumerable uses that range from daily activities to more complex applications like operating a self-driving car. The interdisciplinary field of data science encompasses computer science, statistics, inference, machine learning etc. Prof. Mukhopadhyay stated that along with the knowledge of computer and technology, common sense or reasoning capacity is very important for a data scientist.

After the completion of the lecture, there was an interactive session. Prof. Mukhopadhyay encouraged the students and the researchers to ask questions. One of the students from MSc statistics asked about the various courses in data science. Replying to this question Prof. Mukhopadhyay said that being a student of MSc statistics, one need not to do any course in data science; however, he/she may take some training in computer programming. He added that a data scientist need not take training in computer software. A data scientist should be able to develop various softwares for other users. He informed the audience that there are huge demand and employment opportunities for the data scientists.

After that Prof. Amitava Mitra, Pro- Vice Chancellor, Rajiv Gandhi University who was the chairperson of that session gave his concluding remarks. The session concluded with a vote of thanks by Dr. Anup Kumar Das, Assistant Professor, Department of Economics, Rajiv Gandhi University.

## 6. Annexure

### 6.1: Brochure:

	<p>RAJIV GANDHI UNIVERSITY CENTER FOR DEVELOPMENT STUDIES DEPARTMENT OF ECONOMICS Special Lecture Series 2022-23 <b>Lecture 5: Data Science: Old Wine in a New Bottle</b></p>	
<p>14<sup>th</sup> September, 2022 Time: 2.45 PM Venue: Conference Hall</p>		
<p>Chief Patron Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University</p>	<p>Resource Person Indranil Mukhopadhyay Professor and former Head, Department of Human Genetics, Indian Statistical Institute, Kolkata</p>	<p>Patron Prof. Amitava Mitra Pro Vice-Chancellor Rajiv Gandhi University</p>
<p><b>Organizing Chairman</b> Prof. Vandana Upadhyay Head, Department of Economics Coordinators Center for Development Studies</p>		
<p>Dr. Prasenjit Bujar Baruah Assistant Professor Department of Economics, RGU</p>	<p><b>Organizing Secretaries</b></p>	<p>Dr. Anup Kumar Das Assistant Professor Department of Economics, RGU</p>
<p><b>About the Speaker:</b></p>		
	<p><b>INDRANIL MUKHOPADHYAY</b> is a Professor and former Head of Human Genetics Unit at the Indian Statistical Institute where he has been a faculty member since 2008. Prof. Mukhopadhyay completed his post-graduation and received Ph.D. from University of Calcutta. He pursued his research interests in Time Series Analysis for his doctoral work with Prof. Adhir Kumar Basu. After a stint of teaching in the Statistics Department at St. Xavier's College in Kolkata and University of Burdwan, he went to the USA to study Statistical Genetics and</p>	



Genomics as a post-doctoral fellow with Prof. Daniel E. Weeks at the Department of Human Genetics, University of Pittsburgh. Indranil has authored more than 50 papers, all published in reputed international journals. His versatility extends to many areas of data science including times series analysis, statistical genomics, single cell data analysis, data integration, machine learning, statistical inference, public health etc. His work on how to control the spread of COVID-19 and how to determine the number and duration of lockdown hit the news (Times of India) immediately. Prof. Mukhopadhyay visited various international institutes and universities like Harvard University, University of California at Davis, University of Missouri, National University of Singapore, Agro Paris-Tech, INRIA, France, Glasgow University, International Centre for Theoretical Physics at Trieste, Italy etc.

## 6.2: Photographs:



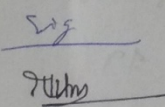
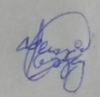
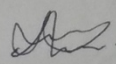
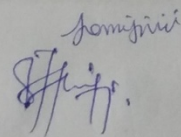
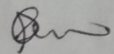

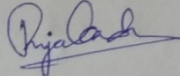
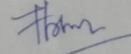
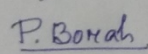
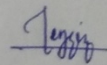
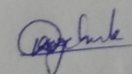


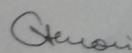
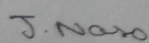










6.3 Attendance List:

<u>Attendance Sheet</u>			<u>14-09-2022</u>
<u>Sl.No.</u>	<u>Name</u>	<u>Dept.</u>	<u>Sig</u>
1.	Dr. N. V. Singh	Statistics	
2.	Tenzin Dargy	Economics	
3.	Souam Jasli	Economics	
4.	Tomi Jini	"	
5.	Pinbon Basra	"	
6.	Dimpal Pratim Gogoi	Statistics	
7.	Kanchan Devi	Economics	
8.	Piya Kaku	Economics	
9.	Zashi Lamu	Economics	
10.	Pabitra Borah	Economics	
11.	Tenzin Dreng	Economics	
12.	Tsering Wangchuk	Economics	
13.	Asha Lego	Economics	
14.	Pakpu Gako	Economics	
15.	Charu Moni	Economics	
16.	Jumde Nado	Economics	
17.	Hundi Pulu	Economics	
18.	Konton Motang	Economics	

Sr. no	Name	Dept	Sign
19	Geeta Nath	Economics	<u>Geetanath</u>
20	Taralisa Deou	Economics	T. Deou
(21)	Padma Bahadur Chetry	Economics	<u>Padma Bah. Chetry</u>
(22)	NONOM Tazeng	Economics	<u>NONOM</u>
(23)	D B Gumm	do	<u>D B Gumm</u>
24	Upasana Saitia	Dept of Statistics	<u>Upasana</u>
25	Dr. Shri Shri Jayathi Nath	Dept. of Statistics	<u>Shri Jayathi Nath</u>
26	Himangshu Handique	Dept of Statistics	<u>Himangshu</u>
27	Yaje Teeli Tava	Dept. of Economics	<u>Yaje Teeli</u>
28	Linko Nija	Dept. of Commerce.	<u>Linko Nija</u>
29	Kiyang Paron	Statistics	<u>Kiyang Paron</u>
30	Gayatri Gogoi	Economics	<u>Gayatri Gogoi</u> 14/09/22
31	Sandini Saran	STATISTICS	<u>Sandini Saran</u> 14/09/2022
32	Prasojit Bejor Bena	Economics	<u>Prasojit Bejor Bena</u> 14/9/22
33	Vandana Upadhyay	Economics	<u>Vandana Upadhyay</u> 14/9/2022

Vandana Upadhyay

Coordinator, Centre for Development Studies  
Department of Economics  
Rajiv Gandhi University



RAJIV GANDHI UNIVERSITY  
CENTER FOR DEVELOPMENT STUDIES  
DEPARTMENT OF ECONOMICS  
Special Lecture Series 2022-23  
Lecture 6: Survey Sampling: Only the Basics



15<sup>th</sup> September, 2022  
Time: 2.45 PM Venue: Conference Hall

**Chief Patron**

Prof. Saket Kushwaha  
Vice-Chancellor  
Rajiv Gandhi University

**Resource Person**

**Indranil Mukhopadhyay**  
Professor and former Head,  
Department of Human Genetics,  
Indian Statistical Institute, Kolkata

**Patron**

Prof. Amitava Mitra  
Pro Vice-Chancellor  
Rajiv Gandhi University

**Organizing Chairman**

Prof. Vandana Upadhyay  
Head, Department of Economics  
Coordinators Center for Development  
Studies

**Organizing Secretaries**

Dr. Prasenjit Bujar Baruah  
Assistant Professor  
Department of Economics,  
RGU

Dr. Anup Kumar Das  
Assistant Professor  
Department of Economics,  
RGU

**About the Speaker:**



**INDRANIL MUKHOPADHYAY** is a Professor and former Head of Human Genetics Unit at the Indian Statistical Institute where he has been a faculty member since 2008. Prof. Mukhopadhyay completed his post-graduation and received Ph.D. from University of Calcutta. He pursued his research interests in Time Series Analysis for his doctoral work with Prof. Adhir Kumar Basu. After a stint of teaching in the Statistics Department at St. Xavier's College in Kolkata and University of Burdwan, he went to the USA to study Statistical Genetics and Genomics as a post-doctoral fellow with Prof. Daniel E. Weeks at the Department of Human Genetics, University of Pittsburgh. Indranil has authored more than 50 papers, all published in reputed international journals. His versatility extends to many areas of data science including times series analysis, statistical genomics, single cell data analysis, data integration, machine learning, statistical inference, public health etc. His work on how to control the spread of COVID-19 and how to determine the number and duration of lockdown hit the news (Times of India) immediately. Prof. Mukhopadhyay visited various international institutes and universities like Harvard University, University of California at Davis, University of Missouri, National University of Singapore, Agro Paris-Tech, INRIA, France, Glasgow University, International Centre for Theoretical Physics at Trieste, Italy etc.





CENTER FOR  
DEVELOPMENT  
STUDIES  
DEPARTMENT OF  
ECONOMICS  
RAJIV GANDHI  
UNIVERSITY



Special Lecture Series 2022-23

Lecture 6: Survey Sampling: Only the Basics



## Survey Sampling: Only the Basics

By

**Prof. Indranil Mukhopadhyay**

**Department of Human Genetics, Indian Statistical Institute,  
Kolkata**

15<sup>th</sup> September, 2022

Time: 2.45 PM Venue: Conference Hall

## Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
1.4	CDS Special Lecture Series	4
2.0	Organising Committee	5
3.0	About Special Lecture Series	6
3.1	Theme: Survey Sampling: Only the Basics	6
3.2	Details of the Resource Persons	6
3.3	Sponsoring Agency	6
3.4	Expenditure Incurred	6
4.0	Detail Programme	6
5.0	Outcome of the Program (Main points of the Lecture)	7
6.0	Annexure	8
6.1	Brochure	8
6.2	Photographs	9
6.3	List of Attendance	10

## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a University with potential for excellence by a high level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the State. The University offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The Department of Education also offers B.Ed. programme. There are 45 (forty five) colleges affiliated to the University. The University has been extending educational facilities to the students from the neighboring States, particularly Assam. The strength of students in different Departments of University and in affiliated colleges has been steadily increasing. The Faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the University. The various Departments regularly organize Seminars, Workshops and Conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the University and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the University. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the University has been maintaining its academic excellence. The University has strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the University have found placements not only in State and Central Government Services, but also in various



institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

### **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

### **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.

### **1.4 CDS Special Lecture Series:**

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. Academicians from across the country and abroad are invited to deliver such lectures. Some of the speakers of the previous lectures were Prof. Seema Bathla, Centre for the Study of Regional Development, School of Social Sciences, JNU, New Delhi; Prof. Rajarshi Majumder Department of Economics, University of Burdwan, West Bengal; Dr. Uma Rani, The Research Department, International Labour

Organization (ILO), Geneva; Dr. Ambika Aiyadurai, Department of Humanities and Social Sciences, IIT, Gandhinagar, Gujarat, and Prof. Mrinal Kanti Dutta, Faculty of Humanities and Social Sciences, IIT Guwahati, Guwahati. This present lecture is the seventh lecture of this lecture series.


## 2.0 Organising Committee

<p style="text-align: center;"><b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Patron</b> Prof. Amitava Mitra Pro Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Organizing Chairman</b> Prof. Vandana Upadhyay Head, Department of Economics Coordinators Center for Development Studies</p>
<p style="text-align: center;"><b>Organizing Secretaries</b> Dr. Prasenjit Bujar Baruah Assistant Professor Department of Economics, RGU &amp; Dr. Anup Kumar Das Assistant Professor Department of Economics, RGU</p>

### 3.0 Special Lecture Series 2022-23: Lecture 6

#### 3.1: Themes: Survey Sampling: Only the Basics

#### 3.2: Details of the Resource Persons:

	<p style="text-align: center;"><b>Indranil Mukhopadhyay</b> Professor and former Head, Department of Human Genetics, Indian Statistical Institute, Kolkata</p>
---	--

3.3: **Sponsoring Agency:** Centre for Development Studies, Department of Economics, Rajiv Gandhi University

3.4: **Expenditure Incurred:** Rs.5000/-

#### 4.0 Details Programme:

2.45 pm- 2.50pm	Welcome Address	Prasenjit Bujar Baruah, Assistant Professor, Department of Economics
2.50 pm – 2.55pm	Brief Introduction of the Speaker	Prof. Vandana Upadhyay, Head, Department of Economics & Coordinators Center for Development
2.55 Pm- 3.45 pm	Lecture by the Speaker	Indranil Mukhopadhyay, Professor and former Head, Department of Human Genetics, Indian Statistical Institute, Kolkata
3.45pm- 3.50 pm	Vote of Thanks	Anup Kumar Das, Assistant Professor, Department of Economics

## 5. Outcome of the Program (Main points of the Lecture)

The programme was started with the welcome address given by Dr. Prasenjit Bujar Baruah. After the welcome address, Prof. Indranil Mukhopadhyay delivered his lecture. He started with the question as to why sampling was important. He stated that sampling was important primarily because we do not have information regarding the entire population and it is not possible to have information about the entire population; irrespective of the size of the population. If it was possible to have all information about a population, probably there would be no need to have a statistician or a subject namely Statistics. Then he defined sampling and discussed about the different sampling methods. First, he defined random sampling as well as non-random sampling. Thereafter, he discussed about the different types of random sampling, such as simple random sampling, stratified random sampling, cluster sampling etc.

After the lecture by Prof Mukhopadhyay, there was a interactive session. Prof Mukhopadhyay encouraged the scholars to put forth their queries. There was a question regarding the appropriate sample size; or what should be the sample size, corresponding to a given population. He answered that although there were different formulae to derive the sample size from a given population, it would not be possible for the researcher to have it. For example, suppose someone is interested to do research on breast cancer in Arunachal Pradesh based on primary data. Given the population of Arunachal Pradesh, one formulae may state that the sample size is to be 600. However, it may not be possible or very difficult for the researcher to have that sample size. Even, if he/ she gets the sample of that size, the non-response problem may be there. Finally, Prof Mukhopadhyay stated that **rather than the sample size, the procedure to select the sample is more important**. One of the researchers stated that she was working on urban migrant workers, and there was no information about the size of the urban migrant worker. So, how to decide the appropriate sample size in this case. Answering to this question, Prof Mukhopadhyay stated that although no information was available regarding the size of migrant worker, some alternative method might be adopted. For example, the size of the migrant workers may be assumed to be proportionate to the population size of an urban locality. Thereafter, there was also a discussion on different issues related to sample survey done through email. The programme concluded with a vote of thanks by Prof. Vandana Upadhyay, Head, Department of Economics and Coordinator, Centre for Development Studies.



## 6.0 Annexure

### 6.1: Brochure:



RAJIV GANDHI UNIVERSITY  
CENTER FOR DEVELOPMENT STUDIES  
DEPARTMENT OF ECONOMICS  
Special Lecture Series 2022-23  
**Lecture 6: Survey Sampling: Only the Basics**



15<sup>th</sup> September, 2022  
Time: 2.45 PM Venue: Conference Hall

#### **Chief Patron**

Prof. Saket Kushwaha  
Vice-Chancellor  
Rajiv Gandhi University

#### **Resource Person**

**Indranil Mukhopadhyay**  
Professor and former Head,  
Department of Human Genetics,  
Indian Statistical Institute, Kolkata

#### **Patron**

Prof. Amitava Mitra  
Pro Vice-Chancellor  
Rajiv Gandhi University

#### **Organizing Chairman**

Prof. Vandana Upadhyay  
Head, Department of Economics  
Coordinators Center for Development Studies

#### **Organizing Secretaries**

Dr. Prasenjit Bujar Baruah  
Assistant Professor  
Department of Economics, RGU

Dr. Anup Kumar Das  
Assistant Professor  
Department of Economics, RGU

#### **About the Speaker:**



**INDRANIL MUKHOPADHYAY** is a Professor and former Head of Human Genetics Unit at the Indian Statistical Institute where he has been a faculty member since 2008. Prof. Mukhopadhyay completed his post-graduation and received Ph.D. from University of Calcutta. He pursued his research interests in Time Series Analysis for his doctoral work with Prof. Adhir Kumar Basu. After a stint of teaching in the Statistics Department at St. Xavier's College in Kolkata and University of Burdwan, he went to the USA to study Statistical Genetics and Genomics as a post-doctoral fellow with Prof. Daniel E. Weeks at the Department of Human Genetics, University of Pittsburgh. Indranil has authored more than 50 papers, all published in reputed international journals. His versatility extends to many areas of data science including times series analysis, statistical genomics, single cell data analysis, data integration,

machine learning, statistical inference, public health etc. His work on how to control the spread of COVID-19 and how to determine the number and duration of lockdown hit the news (Times of India) immediately. Prof. Mukhopadhyay visited various international institutes and universities like Harvard University, University of California at Davis, University of Missouri, National University of Singapore, Agro Paris-Tech, INRIA, France, Glasgow University, International Centre for Theoretical Physics at Trieste, Italy etc.

## 6.2: Photographs:











6.3 Attendance List:

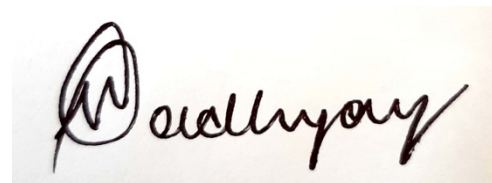
Centre for Development Studies  
Department of Economics  
Rajiv Gandhi University  
Special Lecture Series 2022-23  
Lecture 6- Survey Sampling: Only the Basics

15<sup>th</sup> September, 2022  
Time: 2.45pm  
Venue: Conference Hall  
Attendance

Sl No.	Name	Department	Signature
01	TENZIN DARGEY	ECONOMICS	
02	Sanam Takhri	Economics	
03	Junde Naso	Economics	
04	Taxalisa Deori	Economics	
05	Karsum Ngomdir	Economics	
06	Yaje Reali Tolera	Economics	
07	Geeta Nath	"	
08	Shyamali Borhakur	Economics	
09	Bali Jui	"	
10	Upasana Saini	Statistics	
11	Kiyang Paron	"	
12	Sandhu Sonam	Statistics	
13	Karlon mossang	Economics	
14	Zashi Lama	"	
15	Dimpal Protim Gogoi	Statistics	
16	Indraneel Bhanu	Economics	
17	Kanchan Dori	Economics	
18	Geling Modi	Economics	
19	Gayatri Gogoi	Economics	
20	Pabitra Borah	Economics	
21	Hupa Kadu	Economics	
22	Havdi pulu	Economics	
23	Asha lego	"	
24	Bijum Bole	or "	
25	Jaori Polap	"	
26	Krishnamayee Nald	Statistics	
27	YANDANA UPADHYAY	Economics	
28	Padma Bahadur chetry	"	
29	Baham Riba	Economics	
30	Kangkim Moyong	"	
31	Kot Aka	"	
32	Rindin Dorjee	"	
33	Ogyanso Taryag	"	



34	Pema Wangdi Khatma	"	Penunjang Khatma.
35	Khadia Apji	"	Khadia
36	Tabem Apum	"	Tabem
37	Pajiv Postim	"	Pajiv
38	Tomé Jinc	"	Tomé
39	Mito Majong	"	Mito
40	Jaja Ipu Kayu	"	Ipu Kayu
41	Dst. Vmed to Tudar	Commune	Estados
42	PRASENIT BUTAR BAROAN	Economia	15-9-22



Coordinator, Centre for Development Studies  
 Department of Economics  
 Rajiv Gandhi University



RAJIV GANDHI UNIVERSITY  
CENTER FOR DEVELOPMENT STUDIES  
DEPARTMENT OF ECONOMICS  
Special Lecture Series 2022-23  
**Lecture 7: Climate Change: Its Social, Political  
and Economic Dimensions**



15<sup>th</sup> September, 2022  
Time: 11.30 AM; Venue: Conference Hall

**Chief Patron**

Prof. Saket Kushwaha  
Vice-Chancellor  
Rajiv Gandhi University

**Resource Person**

Prof Vinod Kumar Jain  
Ex-Professor, Jawaharlal Nehru  
University, New Delhi and  
former Vice-Chancellor of Doon  
University and Tezpur University

**Patron**

Prof. Amitava Mitra  
Pro Vice-Chancellor  
Rajiv Gandhi University

**Organizing Chairman**

Prof. Vandana Upadhyay  
Head, Department of Economics  
Coordinators Center for Development  
Studies

**Organizing Secretaries**

Dr. Prasenjit Bujar Baruah  
Assistant Professor  
Department of Economics,  
RGU

Dr. Anup Kumar Das  
Assistant Professor  
Department of Economics,  
RGU

**About the Speaker:**



**Prof Vinod Kumar Jain:** Prof Jain completed M.Sc. from Aligarh Muslim University. He was conferred D. Phil from Sussex University, Brighton UK (1982) for the Thesis: Electrostatic Wave Instabilities in Beam Plasma Systems. Prof. Jain began his teaching career at Sussex University (UK) during 1977 – 1981. Later, he served as a Scientist, Class I (1983-1985) in the Department of Physics, Indian Institute of Technology, New Delhi before embarking his journey as an academician, when he joined School of Environmental Sciences, JNU as Associate Professor in 1985. He taught M.Sc. and M. Phil. classes for about 25 years at JNU.

Prof Jain has been actively involved in research activities. A keen researcher in the field of magnetized Plasmas, Beam-Plasma interactions - Linear and Nonlinear effects, Environmental Issues (Energy, Noise and Air Pollution), Prof Jain has published 84 research publications in reputed international and national journals in the fields of Plasma Physics and Environmental Sciences and presented papers in several national and international seminars/ Conferences. Theses till now. Prof Jain has been members of many academic & statutory bodies, such as, member on panel of experts of University Grants Commission (UGC), Council of Scientific and Industrial Research (CSIR), Union Public Service Commission (UPSC), Public Service Commission of Himachal Pradesh and Public Service Commission of Uttar Pradesh etc.



**CENTER FOR  
DEVELOPMENT  
STUDIES  
DEPARTMENT OF  
ECONOMICS  
RAJIV GANDHI  
UNIVERSITY**



**Special Lecture Series 2022-23**

**Lecture 7: Climate Change: Its Social, Political and Economic Dimensions**



**15th September, 2022  
Time: 11.30 AM  
Venue: Conference Hall**

## Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
1.4	CDS Special Lecture Series	4
2.0	Organising Committee	5
3.0	About Special Lecture Series	6
3.1	Themes: Climate Change: Its Social, Political and Economic Dimensions	6
3.2	Details of the Resource Persons	6
3.3	Sponsoring Agency	6
3.4	Expenditure Incurred	6
4.0	Detail Programme	6
5.0	Outcome of the Program (Main points of the Lecture)	7
6.0	Annexure	8
6.1	Brochure	8
6.2	Photographs	9
6.3	List of Attendance	12



## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a University with potential for excellence by a high level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the State. The University offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The Department of Education also offers B.Ed. programme. There are 45 (forty five) colleges affiliated to the University. The University has been extending educational facilities to the students from the neighboring States, particularly Assam. The strength of students in different Departments of University and in affiliated colleges has been steadily increasing. The Faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the University. The various Departments regularly organize Seminars, Workshops and Conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the University and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the University. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the University has been maintaining its academic excellence. The University has strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the University have found placements not only in State and Central Government Services, but also in various

institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

### **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

### **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.

### **1.4 CDS Special Lecture Series:**

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. Academicians from across the country and abroad are invited to deliver such lectures. Some of the speakers of the previous lectures were Prof. Seema Bathla, Centre for the Study of Regional Development, School of Social Sciences, JNU, New Delhi; Prof. Rajarshi Majumder Department of Economics, University of Burdwan, West Bengal; Dr. Uma Rani, The Research Department, International Labour

Organization (ILO), Geneva; Dr. Ambika Aiyadurai, Department of Humanities and Social Sciences, IIT, Gandhinagar, Gujarat, Prof. Mrinal Kanti Dutta, Faculty of Humanities and Social Sciences, IIT Guwahati, Guwahati and Prof. Indranil Mukhopadhyay, Department of Human Genetics, Indian Statistical Institute, Kolkata. This present lecture is the seventh lecture of this lecture series.

## 2.0 Organising Committee

<p style="text-align: center;"><b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Patron</b> Prof. Amitava Mitra Pro Vice-Chancellor Rajiv Gandhi University</p>
<p style="text-align: center;"><b>Organizing Chairman</b> Prof. Vandana Upadhyay Head, Department of Economics Coordinators Center for Development Studies</p>
<p style="text-align: center;"><b>Organizing Secretaries</b> Dr. Prasenjit Bujar Baruah Assistant Professor Department of Economics, RGU &amp; Dr. Anup Kumar Das Assistant Professor Department of Economics, RGU</p>

### 3.0 About Special Lecture Series 2022-23: Lecture 7

3.1: Themes: Climate Change: Its Social, Political and Economic Dimensions

3.2: Details of the Resource Persons:

	<p>Prof Vinod Kumar Jain Ex-Professor, Jawaharlal Nehru University, New Delhi and former Vice-Chancellor of Doon University and Tezpur University</p>
---	---

3.3: Sponsoring Agency: Centre for Development Studies, Department of Economics, Rajiv Gandhi University

3.4: Expenditure Incurred: Rs.12,000/-

#### 4.0 Detail Programme:

11.45 am- 11.50am	Welcome Address	Prof. Vandana Upadhyay, Head, Department of Economics & Coordinator Center for Development
11.50am– 11.55am	A few words by Pro VC	Prof. Amitava Mitra, Pro VC, Rajiv Gandhi University
11.55 am- 12.00pm	Brief Introduction of the Speaker	Prof. Vandana Upadhyay, Head, Department of Economics & Coordinator Center for Development
12.00 Pm-12.40 pm	Lecture by the Speaker	Prof Vinod Kumar Jain Ex-Professor, Jawaharlal Nehru University, New Delhi and former Vice-Chancellor of Doon University and Tezpur University
12.40 pm-12.50 pm	Concluding remarks by the Chairperson	Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University
12.50pm- 12.55 pm	Vote of Thanks	Anup Kumar Das, Assistant Professor, Department of Economics



## 5.0 Outcome of the Program (Main points of the Lecture)

The programme started with the welcome address given by Prof. Vandana Upadhyay, Head, Department of Economics & Coordinator Center for Development Studies. She also introduced the speaker to the audience. Thereafter, Prof. Amitava Mitra, Pro- Vice chancellor of Rajiv Gandhi University delivered his speech. He said that earlier climate change was an issue to be discussed by the scientists; but now people from diverse disciplines are involved in it. Prof. Mitra added that probably an economists or a sociologist could explain the cost of climate change in much simpler words for people to understand.

Prof. Jain started his speech with a discussion on the factors responsible for climate change and global warming; and the consequences which people across the world have faced presently as a result of climate change. He further elaborated about the various initiatives taken at the international level to meet the challenges of climate change such as the different rounds of negotiations of the Intergovernmental Panel on Climate Change (IPCC). Finally, Prof. Jain discussed about the commitments made by India in the 26<sup>th</sup> Conference of Parties held in Paris; i.e.

- India will get its non-fossil energy capacity to 500 gigawatts by 2030.
- India will meet 50% of its energy requirements from renewable energy by 2030.
- India will reduce the total projected carbon emissions by one billion tones till 2030.
- By 2030, India will reduce the carbon intensity of its economy by less than 45 per cent.
- By the year 2070, India will achieve the target of net zero emissions.

He also discussed about the targets undertaken by other countries like China and the USA. According to him the targets set by China are more ambitious than that of India. He added that the intensity of the problem of climate change has brought China and the USA closer to work on this dimension.

After the lecture by Prof. Jain, there was a question answer session. One faculty member raised question regarding the validity of the issue of climate change; as some of the scientists were not ready to accept the concept of global warming or climate change. While answering to that query he added that the existing data on greenhouse gas emission, raising sea level and other such parameters confirmed the problem of climate change. If the problem was not real, countries like India or China would not spent their limited resources in this direction.

Prof. Saket Kushwaha, honorable vice chancellor of Rajiv Gandhi University who was the chairperson of the programme also put forward his remarks. He talked about the emission of methane gas in Indian agriculture. The programme concluded with the vote of thanks given by Dr. Anup Kumar Das, Assistant Professor, Department of Economics.

## 6.0 Annexure

### 6.1: Brochure:

	<p>RAJIV GANDHI UNIVERSITY CENTER FOR DEVELOPMENT STUDIES DEPARTMENT OF ECONOMICS Special Lecture Series 2022-23 <b>Lecture 7: Climate Change: Its Social, Political and Economic Dimensions</b></p>	
<p>15<sup>th</sup> September, 2022 Time: 11.30 AM; Venue: Conference Hall</p>		
<p><b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University</p>	<p><b>Resource Person</b> Prof Vinod Kumar Jain Ex-Professor, Jawaharlal Nehru University, New Delhi and former Vice-Chancellor of Doon University and Tezpur University</p>	<p><b>Patron</b> Prof. Amitava Mitra Pro Vice-Chancellor Rajiv Gandhi University</p>
<p><b>Organizing Chairman</b> Prof. Vandana Upadhyay Head, Department of Economics Coordinators Center for Development Studies</p>		
<p><b>Organizing Secretaries</b> Dr. Prasenjit Bujar Baruah Assistant Professor Department of Economics, RGU</p>		<p>Dr. Anup Kumar Das Assistant Professor Department of Economics, RGU</p>
<p><b>About the Speaker:</b></p>		
	<p><b>Prof Vinod Kumar Jain:</b> Prof Jain completed M.Sc. from Aligarh Muslim University. He was conferred D. Phil from Sussex University, Brighton UK (1982) for the Thesis: Electrostatic Wave Instabilities in Beam Plasma Systems. Prof. Jain began his teaching career at Sussex University (UK) during 1977 – 1981. Later, he served as a Scientist, Class I (1983-1985) in the Department of Physics, Indian Institute of Technology, New Delhi before embarking his journey as an academician, when he joined School of</p>	

Environmental Sciences, JNU as Associate Professor in 1985. He taught M.Sc. and M. Phil. classes for about 25 years at JNU.

Prof Jain has been actively involved in research activities. A keen researcher in the field of magnetized Plasmas, Beam-Plasma interactions - Linear and Nonlinear effects, Environmental Issues (Energy, Noise and Air Pollution), Prof Jain has published 84 research publications in reputed international and national journals in the fields of Plasma Physics and Environmental Sciences and presented papers in several national and international seminars/Conferences. Theses till now. Prof Jain has been members of many academic & statutory bodies, such as, member on panel of experts of University Grants Commission (UGC), Council of Scientific and Industrial Research (CSIR), Union Public Service Commission (UPSC), Public Service Commission of Himachal Pradesh and Public Service Commission of Uttar Pradesh etc.

## 6.2: Photographs:









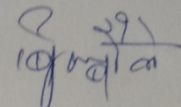
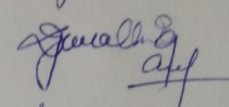
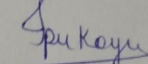
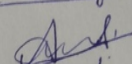
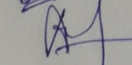
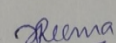
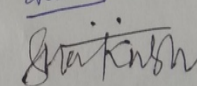
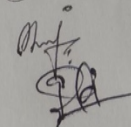

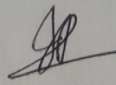
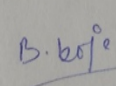
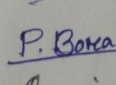
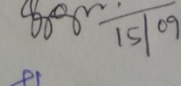
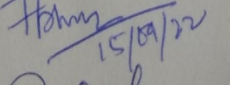
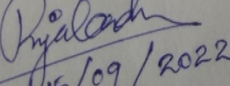
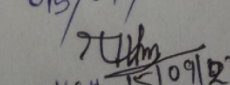
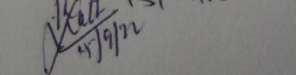
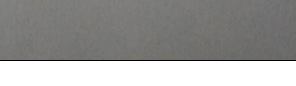
6.3: List of Attendance:

**Centre for Development Studies**  
**Department of Economics**  
**Rajiv Gandhi University**  
**Special Lecture Series 2022-23**  
**Lecture 7- Climate Change: Its Social, Political and economic Dimensions**  
 15<sup>th</sup> September, 2022  
 Time: 11.30am  
 Venue: Conference Hall

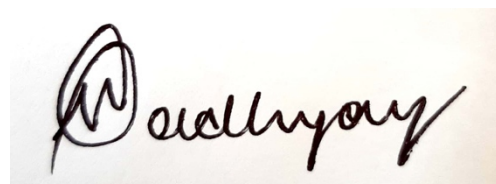
Attendance

	<u>Name</u>	<u>Department</u>	<u>Signature</u>
1.	Sandhi Sharma	Statistics	<u>Sandhi</u>
2.	Kantam Monang	Economics	<u>Kantam</u> 15/09/22
3.	Kiyang Pawan	Statistics	<u>Kiyang</u>
4.	Dimpal preston Gogoi	Statistics	<u>Dimpal</u>
5.	Upasna Saini	Statistics	<u>Upasna</u>
6.	Trishna Sikha Neog	Statistics	<u>Trishna</u>
7.	OMAN NOPJ	ECONOMICS	<u>Omni</u>
8.	MUMTAK BOKO	Economics	M. BOKO
9.	ASHA LEGO	Economics	<u>Ashap</u>
10.	TENZIN DREMA	ECONOMICS	<u>Tenzin</u>
11.	Geeta Nath	"	<u>Geeta</u>
12.	Bani Jisi	"	<u>Bani</u>
13.	Tenzin Dargy	"	<u>Tenzin</u>
14.	Junde Maso	"	<u>Junde</u>
15.	<u>SI No</u>	<u>Name</u>	<u>Department</u>
			<u>Signature</u>
	15	Jaije Debi Paria	"
16.		Padi Tarung	"
17.	Page   1	Jaspi Boje	"



<u>NAME</u>	<u>ATTENDANCE</u> <u>DEPT.</u>	<u>SIGNATURE</u>
18. Biyuan Bote	Economics	
19. Chinggaon Jifen	Economics	
20. Ipu Koyu	Economics	
21. Tap Yampang	Economics	
22. Karsum Ngomdin	Economics	
23. Habung Reema	Economics	
24. Om Prakash Ram	Economics	
25. Hundi Pulu	Economics	
26. Geling Modi	Economics	
27. Kanchara Deri	Economics	
28. Indrance Penkan	Economics	
29. Bisun Boje	Economics	
30. Pabitra Borah	Economics	
31. Gayatri Gogoi	Economics	
32. Tashi Lenu	Economics	
33. Pija Kadu	Economics	
34. N. Vikimchandra Singh	Statistics	
35. Dr. Krishnajyathi Math	Statistics	

<u>Name</u>	<u>Attendance</u>	<u>Signature</u>
36. Prof. INDRANIL MUKHOPADHYA	151	<u>Subbety</u>
36. Prof. S. R. Nayak Dept. of Economics		<u>SR</u> 15/9/2022
37. AMITAVA MITRA	do -	<u>AM</u> 15/09/22
38. Ashi° Lama	do	<u>AL</u>
39. Praxmit Bya Bena	do	<u>PB</u>
40. Anup K. Das	"	<u>AK</u>
41. Padma Bahador Chetry	"	Padma Bah. Chetry



Coordinator, Centre for Development Studies  
Department of Economics  
Rajiv Gandhi University



**RAJIV GANDHI UNIVERSITY**  
CENTER FOR DEVELOPMENT STUDIES  
DEPARTMENT OF ECONOMICS  
Special Lecture Series 2022-23

**Lecture 8: THE INFORMAL ECONOMY, SELF-EMPLOYMENT AND  
PETTY PRODUCTION – FRAMING MACRO AND MICRO  
POLITICAL ECONOMY**

**7<sup>th</sup> March, 2023**

Time: 2:45 PM, Venue: Conference Hall  
Department of Economics

**Chief Patron**  
**Prof. Saket Kushwaha**  
Vice-Chancellor  
Rajiv Gandhi University

**Resource Person**  
**BARBARA HARRISS WHITE**  
EMERITUS PROFESSOR AND FELLOW  
WOLFSON COLLEGE, OXFORD/VISITING  
PROF. JNU/RESEARCH FELLOW MAX  
WEBER STIFTUNG, NEW DEHI

**Advisor**  
**Prof. Sushanta Kumar Nayak**  
Head, Department of Economics

**Organizing Chairman**  
**Prof. Vandana Upadhyay**  
Coordinator Centre for Development Studies

**Organizing Secretaries**

**Dr. D. B. Gurung**  
Assistant Professor

**Dr. Prasenjit Bujar Baruah**  
Assistant Professor

**Dr. Anup Kumar Das**  
Assistant Professor

**About the Speaker:**



Barbara Harriss White has been studying India since driving from Cambridge to Delhi in 1969. A field and political economist, her main interests have been in rural markets, informal capitalism and dimensions of deprivation. She directed Queen Elizabeth House and founded Oxford's M.Phil in Development Studies and the Contemporary South Asian Studies Programme, mentored 80 PhDs and post-docs. Now, she studies the economy and its waste, and agriculture. Recent (edited/co-edited) books: Middle India and urban rural development (2016); The Wild East: criminal political economies in South Asia (2019); Rethinking markets in modern India (2020); Agricultural market reforms and farmer protests in India (2021); Gold in India (forthcoming).





CENTER FOR  
DEVELOPMENT  
STUDIES  
DEPARTMENT OF  
ECONOMICS  
RAJIV GANDHI  
UNIVERSITY



Special Lecture Series 2022-23

**Lecture: 8: The Informal Economy, Self-Employment and Petty Production – Framing  
Macro and Micro Political Economy**



7th March, 2023  
Time: 2.45 PM  
Venue: Conference Hall

## Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
1.4	CDS Special Lecture Series	4
2.0	Organising Committee	5
3.0	About Special Lecture Series	6
3.1	Themes: Climate Change: Its Social, Political and Economic Dimensions	6
3.2	Details of the Resource Persons	6
3.3	Sponsoring Agency	6
3.4	Expenditure Incurred	6
4.0	Detail Programme	6
5.0	Outcome of the Program (Main points of the Lecture)	7
6.0	Annexure	8
6.1	Brochure	8
6.2	Photographs	9
6.3	List of Attendance	14

## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a University with potential for excellence by a high level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the State. The University offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The Department of Education also offers B.Ed. programme. There are 45 (forty five) colleges affiliated to the University. The University has been extending educational facilities to the students from the neighboring States, particularly Assam. The strength of students in different Departments of University and in affiliated colleges has been steadily increasing. The Faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the University. The various Departments regularly organize Seminars, Workshops and Conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the University and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the University. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the University has been maintaining its academic excellence. The University has

strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the University have found placements not only in State and Central Government Services, but also in various institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

### **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

### **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.



#### 1.4 CDS Special Lecture Series:

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. Academicians from across the country and abroad are invited to deliver such lectures. Some of the speakers of the previous lectures were Prof. Seema Bathla, Centre for the Study of Regional Development, School of Social Sciences, JNU, New Delhi; Prof. Rajarshi Majumder Department of Economics, University of Burdwan, West Bengal; Dr. Uma Rani, The Research Department, International Labour Organization (ILO), Geneva; Dr. Ambika Aiyadurai, Department of Humanities and Social Sciences, IIT, Gandhinagar, Gujarat, Prof. Mrinal Kanti Dutta, Faculty of Humanities and Social Sciences, IIT Guwahati, Guwahati, Prof. Indranil Mukhopadhyay, Department of Human Genetics, Indian Statistical Institute, Kolkata and Prof Vinod Kumar Jain, Ex-Professor, Jawaharlal Nehru University, New Delhi and former Vice-Chancellor of Doon University and Tezpur University. This present lecture is the eighth lecture of this lecture series.


#### 2.0 Organising Committee

<b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University		
<b>Advisor</b> Prof. Sushanta Kumar Nayak, Head, Department of Economics Rajiv Gandhi University		
<b>Organizing Chairman</b> Prof. Vandana Upadhyay Coordinators Center for Development Studies Department of Economics, Rajiv Gandhi University		
<b>Dr. Dil Bahadur Gurung</b> Assistant Professor Department of Economics, Rajiv Gandhi University	<b>Dr. Prasenjit Bujar Baruah</b> Assistant Professor Department of Economics, Rajiv Gandhi University	<b>Dr. Anup Kumar Das</b> Assistant Professor Department of Economics, Rajiv Gandhi University

### 3.0 About Special Lecture Series 2022-23: Lecture 8

3.1: **Themes: The Informal Economy, Self-Employment and Petty Production – Framing Macro and Micro Political Economy**

3.2: **Details of the Resource Persons:**

	<p style="text-align: center;"><b>Barbara Harriss White</b> Emeritus Professor and Fellow Wolfson College, Oxford &amp; Visiting Professor Jawaharlal Nehru University, New Delhi &amp; Research Fellow Max Weber Stiftung, New Delhi</p>
---	---

3.3: **Sponsoring Agency:** Centre for Development Studies, Department of Economics, Rajiv Gandhi University

3.4: **Expenditure Incurred:** Rs.15,000/-

#### 4.0 Detail Programme:

2.45 pm- 2.50 pm	Welcome Address	Prof. Vandana Upadhyay, Coordinator Center for Development Studies, Department of Economics
2.50 pm – 2.55 pm	Brief Introduction of the Speaker	Prof. Vandana Upadhyay, Coordinator Center for Development Studies, Department of Economics
2.55 Pm- 3.40 pm	Lecture by the Speaker	<b>Barbara Harriss White</b> , Emeritus Professor and Fellow, Wolfson College, Oxford
3.40 pm- 3.45 pm	Concluding remarks by the Chair person	Prof. S. K. Nayak, Head Department of Economics, Rajiv Gandhi University
3.45 pm – 3.50 pm	Vote of Thanks	Dr. Dil Bahadur Gurung, Assistant Professor, Department of Economics

## 5.0 Outcome of the Program

The lecture comprises of four different parts:

- Macro theories of informality and new developments in informal development
- Micro: theories of self-employment and petty commodity production
- Application to India
- Normative and Positive questions of developments



In the first part, six approaches to informality was discussed. According to the first approach i.e. the **dualist theory** informal activity exists in the forms of production (characterised by easy entry, small scale and labour intensiveness). But such activities are residual activities and transitory in nature; which will disappear once the economy moves from the developing to a developed economy. According to **legalist theory**, the informal sector is composed of self-reliant micro-entrepreneurs *choosing* to operate informally in order to avoid the costs associated with registered activity; where the dis-incentive is the insecure property rights. The adverse cost-benefit relations attributed to 'inefficient' regulatory interventions by the state incentivise pre-emptive development. According to the **structuralist theory** the inter-dependence of formal and informal activity, one that is exploitative of labour. Informality ceases to be a transitory feature of a segment of the economy, and is a necessity for the capitalist system as a whole. The **labourist theory** talks about the distinctive and persistent labour relations. Many formal sector firms employ workers on contact basis without any social security benefits. Sometimes they outsourced their activities to other private parties. Similarly, people are forced to become self-employed as they are unable to have a job in the formal sector. It may be due to capital biased industrial development (unable to absorb surplus labour). Moreover, it is not a temporary in nature. The **urban studies** observe the informal sector from the point of view of informal housing, settlements and land markets subfield etc. In India those activities lie outside the purview of the organised sector are known as **unorganised sector**. Here, unorganised sector means those enterprises which are not registered under specific act of the country. Although some enterprises in the unorganised sector are with their formalized business (although unregistered), majority are purely informal in nature.

Some micro theories of self-employment and petty commodity production (PCP) were discussed in the second part of the lecture. In the third and fourth part, applications of these theories and approaches to India, and some normative and positive questions were explained. Five recent advances or changes in the theory and research for the informal economy were also discussed.

Finally, she discussed about the entire scenario of India's informal economy, where more than 90 per cent of the workforce are unregistered or unorganized and half of the formal workforce is informal. As many as 80 per cent workers in agricultural sector are self-employed, and 72 per cent of the enterprises in the non-agricultural sector are own account enterprises. All of them are unorganized or informal. There is incomplete primitive accumulation and day by day agricultural GDP is going to downturn. If we see the aforementioned problems from political point of view, we find that no political party talks about the problems of this sector. In the final part of the study, some development questions and India's answer to these development questions were discussed.

## 6.0 Annexure

### 6.1: Brochure:

	<p>RAJIV GANDHI UNIVERSITY          CENTER FOR DEVELOPMENT STUDIES          DEPARTMENT OF ECONOMICS          Special Lecture Series 2022-23  <b>Lecture 8: India's Informal Economy and          Some Implications for Climate Change</b></p>	
<p>7<sup>th</sup> March, 2023          Time: 2.45 PM Venue: Conference Hall,          Department of Economics</p>		
<p><b>Chief Patron</b>          Prof. Saket Kushwaha          Vice-Chancellor          Rajiv Gandhi University</p>	<p><b>Resource Person</b>  <b>Barbara Harriss White</b>          Emeritus Professor and Fellow,          Wolfson College, Oxford &amp;          Visiting Professor, JNU, New Delhi &amp;          Research Fellow          Max Weber Stiftung, New Delhi</p>	<p><b>Advisor</b>          Prof. Sushanta Kumar Nayak          Head, Department of          Economics</p>
<p><b>Organizing Chairman</b>          Prof. Vandana Upadhyay          Coordinators Center for          Development Studies</p>		
<p><b>Organizing Secretaries</b></p>		
<p>Dr. Dil Bahadul Gurung          Assistant Professor          Department of          Economics, RGU</p>	<p>Dr. Prasenjit Bujar Baruah          Assistant Professor          Department of Economics, RGU</p>	<p>Dr. Anup Kumar Das          Assistant Professor          Department of Economics,          RGU</p>



### About the Speaker:



Barbara Harriss-White has been studying India since driving from Cambridge to Delhi in 1969. A field- and political economist, her main interests have been in rural markets, informal capitalism and dimensions of deprivation. She directed Queen Elizabeth House and founded Oxford's M Phil in Development Studies and the Contemporary South Asian Studies Programme, mentored 80 PhDs and post-docs. Now, she studies the economy and its waste, and agriculture. Recent (edited/co-edited) books: *Middle India and urban-rural development* (2016); *The Wild East: criminal political economies in South Asia* (2019); *Rethinking markets in modern India* (2020); *Agricultural market reforms and farmer protests in India* (2021); *Gold in India* (forthcoming).

### 6.2: Photographs:








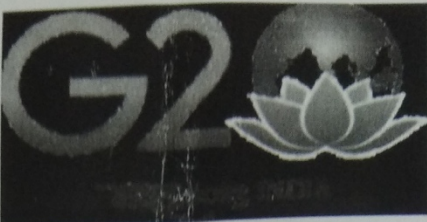
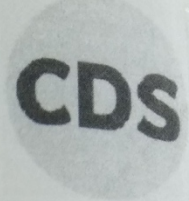








6.3: List of Attendance:

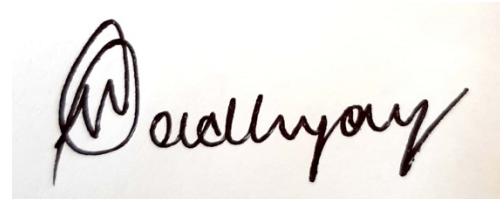
**RAJIV GANDHI UNIVERSITY**  
 CENTER FOR DEVELOPMENT STUDIES DEPARTMENT OF ECONOMICS  
 Special Lecture Series 2022-23  
**Lecture 8: THE INFORMAL ECONOMY, SELF-EMPLOYMENT AND PETTY  
 PRODUCTION – FRAMING MACRO AND MICRO POLITICAL ECONOMY**  
**7th March, 2023**  
 Time: 2:45 PM, Venue: Conference Hall Department of Economics

Attendance

SL No.	Name	Designation	Signature
1.	D. B. Gurung	Asst. Prof	<i>[Signature]</i>
2.	N. Vikramchandra Singh	Asst. Prof	<i>[Signature]</i>
3.	Rituparna Datta	PhD Research Scholar	<i>[Signature]</i>
4.	Komchom Law	PhD Scholar	<i>[Signature]</i>
5.	Karlam Mossang	PhD Scholar	<i>[Signature]</i>
6.	Hansi Pulu	PhD Scholar	<i>[Signature]</i>
7.	Lobsang Lhamu	2 <sup>nd</sup> Semester	<i>[Signature]</i>
8.	Asha Lego	4 <sup>th</sup> Semester	<i>[Signature]</i>
9.	Geeta Nath	1 <sup>st</sup> Semester	<i>[Signature]</i>
10.	Riya Kachu	Ph.D Scholar	<i>[Signature]</i>
11.	Mummy Tang	2 <sup>nd</sup> Sem	<i>[Signature]</i>
12.	Yami Bhu	11 2 <sup>nd</sup> Semester	<i>[Signature]</i>
13.	Mr. Pinbam Bagra	4 <sup>th</sup> Semester	<i>[Signature]</i>
14.	" Bijan Bole	" "	<i>[Signature]</i>
15.	Ms. Teter Paha	2 <sup>nd</sup> Semester	<i>[Signature]</i>
16.	Mr. Pomi Pini	4 <sup>th</sup> Semester	<i>[Signature]</i>
17.	Ms. Kangkim Morong	2 <sup>nd</sup> Semester	<i>[Signature]</i>
18.	Mr. Chikamjib Horzankar	2 <sup>nd</sup> Semester	<i>[Signature]</i>
19.	Saman Kachon	PhD Scholar	<i>[Signature]</i>
20.	Taron Assoeme	"	<i>[Signature]</i>
21.	Sudeep Barman	As student	<i>[Signature]</i>
22.	Khoda Anjo	2 <sup>nd</sup> semester	<i>[Signature]</i>
23.	Kasa Lego	2 <sup>nd</sup> Semester	<i>[Signature]</i>
24.	Bakom Ribza	4 <sup>th</sup> Semester	<i>[Signature]</i>
		2 <sup>nd</sup> semester	<i>[Signature]</i>



25.	Punam Gamlin	4 <sup>th</sup> Semester	Bzab
26.	Ipu Koyu	4 <sup>th</sup> Sem	Pragna
27.	Charu Moni	4 <sup>th</sup> Sem	Genesi
28.	Tap Japang	4 <sup>th</sup> Semester	Pragna
29.	yake Pehut Taena	4 <sup>th</sup> Semester	Pragna
30.	Nito Moyong	4 <sup>th</sup> Semester	Pragna
31.	Tupu Kamihar	4 <sup>th</sup> Sem.	Pragna
32.	Habung Reema.	4 <sup>th</sup> Semester.	Pragna
33.	Kekde Gamkar	II semester	Pragna
34.	Bau Jyi	4 <sup>th</sup> Semester	Pragna
35.	Padma Bahadur Chetry	4 <sup>th</sup> semester	Pragna Pdr. Chetry
36.	MUMTAK BOKO	4 <sup>th</sup> semester	M. BOKO
37.	Rinclin Dharma	4 <sup>th</sup> semester	P. Dharma
38.	TENZIN DOLMA	"	Jatna
39.	Tenzin Drema	"	Tenzin
40.	DELVIND KUMAR YADAV	Companee	Pragna
41.	Pabitra Borah	Ph.D. Scholar	P. Borah
42.	Rinclin Dharma	2 <sup>nd</sup> Sem	Pragna
43.	Anup K. Dey	Asst. Prof.	Pragna
44.	ASHP Lama	Associate prof.	Pragna
45.			
46.			
47.			
48.			
49.			
50.			
51.			
52.			
53.			
54.			
55.			
56.			
57.			
58.			
59.			
60.			
61.			
62.			
63.			
64.			
65.			
66.			
67.			
68.			



Coordinator, Centre for Development Studies  
 Department of Economics  
 Rajiv Gandhi University







**RAJIV GANDHI UNIVERSITY**  
**CENTER FOR DEVELOPMENT STUDIES**  
**DEPARTMENT OF ECONOMICS**  
Special Lecture Series 2022-23  
**Lecture 9: INDIA'S INFORMAL ECONOMY AND SOME**  
**IMPLICATIONS FOR CLIMATE CHANGE**

**9<sup>th</sup> March, 2023**

Time: 11:30 AM, Venue: Conference Hall  
Department of Economics

**Chief Patron**

**Prof. Saket Kushwaha**  
Vice-Chancellor  
Rajiv Gandhi University

**Resource Person**

**BARBARA HARRISS WHITE**  
EMERITUS PROFESSOR AND FELLOW  
WOLFSON COLLEGE, OXFORD/VISITING  
PROF. JNU/RESEARCH FELLOW MAX  
WEBER STIFTUNG, NEW DEHI

**Advisor**

**Prof. Sushanta Kumar Nayak**  
Head, Department of Economics

**Organizing Chairman**

**Prof. Vandana Upadhyay**  
Coordinator Centre for Development Studies

**Organizing Secretaries**

**Dr. D. B. Gurung**  
Assistant Professor

**Dr. Prasenjit Bujar Baruah**  
Assistant Professor

**Dr. Anup Kumar Das**  
Assistant Professor

**About the Speaker:**



Barbara Harriss White has been studying India since driving from Cambridge to Delhi in 1969. A field and political economist, her main interests have been in rural markets, informal capitalism and dimensions of deprivation. She directed Queen Elizabeth House and founded Oxford's M.Phil in Development Studies and the Contemporary South Asian Studies Programme, mentored 80 PhDs and post-docs. Now, she studies the economy and its waste, and agriculture. Recent (edited/co-edited) books: Middle India and urban rural development (2016); The Wild East: criminal political economies in South Asia (2019); Rethinking markets in modern India (2020); Agricultural market reforms and farmer protests in India (2021); Gold in India (forthcoming).



CENTER FOR  
DEVELOPMENT  
STUDIES  
DEPARTMENT OF  
ECONOMICS  
RAJIV GANDHI  
UNIVERSITY



Special Lecture Series 2022-23

Lecture 9: INDIA'S INFORMAL ECONOMY AND SOME IMPLICATIONS FOR CLIMATE CHANGE



9th March, 2023

Time: 2.45 PM

Venue: Conference Hall

### Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
1.4	CDS Special Lecture Series	4
2.0	Organising Committee	5
3.0	About Special Lecture Series	6
3.1	Themes: Climate Change: Its Social, Political and Economic Dimensions	6
3.2	Details of the Resource Persons	6
3.3	Sponsoring Agency	6
3.4	Expenditure Incurred	6
4.0	Detail Programme	6
5.0	Outcome of the Program (Main points of the Lecture)	7
6.0	Annexure	8
6.1	Brochure	8
6.2	Photographs	10
6.3	List of Attendance	12

## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a University with potential for excellence by a high level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the State. The University offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The Department of Education also offers B.Ed. programme. There are 45 (forty five) colleges affiliated to the University. The University has been extending educational facilities to the students from the neighboring States, particularly Assam. The strength of students in different Departments of University and in affiliated colleges has been steadily increasing. The Faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the University. The various Departments regularly organize Seminars, Workshops and Conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the University and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the University. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the University has been maintaining its academic excellence. The University has



strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the University have found placements not only in State and Central Government Services, but also in various institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

### **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

### **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.

#### 1.4 CDS Special Lecture Series:

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. Academicians from across the country and abroad are invited to deliver such lectures. Some of the speakers of the previous lectures were Prof. Seema Bathla, Centre for the Study of Regional Development, School of Social Sciences, JNU, New Delhi; Prof. Rajarshi Majumder Department of Economics, University of Burdwan, West Bengal; Dr. Uma Rani, The Research Department, International Labour Organization (ILO), Geneva; Dr. Ambika Aiyadurai, Department of Humanities and Social Sciences, IIT, Gandhinagar, Gujarat, Prof. Mrinal Kanti Dutta, Faculty of Humanities and Social Sciences, IIT Guwahati, Guwahati, Prof. Indranil Mukhopadhyay, Department of Human Genetics, Indian Statistical Institute, Kolkata and Prof Vinod Kumar Jain, Ex-Professor, Jawaharlal Nehru University, New Delhi and former Vice-Chancellor of Doon University and Tezpur University. This present lecture is the ninth lecture of this lecture series.


#### 2.0 Organising Committee

<b>Chief Patron</b> Prof. Saket Kushwaha Vice-Chancellor Rajiv Gandhi University		
<b>Advisor</b> Prof. Sushanta Kumar Nayak, Head, Department of Economics Rajiv Gandhi University		
<b>Organizing Chairman</b> Prof. Vandana Upadhyay Coordinator Center for Development Studies Department of Economics, Rajiv Gandhi University		
<b>Dr. Dil Bahadur Gurung</b> Assistant Professor Department of Economics, Rajiv Gandhi University	<b>Dr. Prasenjit Bujar Baruah</b> Assistant Professor Department of Economics, Rajiv Gandhi University	<b>Dr. Anup Kumar Das</b> Assistant Professor Department of Economics, Rajiv Gandhi University

### 3.0 About Special Lecture Series 2022-23: Lecture 9

3.1: Themes: Climate Change: Its Social, Political and Economic Dimensions

3.2: Details of the Resource Persons:

	<p><b>Barbara Harriss White</b> Emeritus Professor and Fellow Wolfson College, Oxford &amp; Visiting Professor Jawaharlal Nehru University, New Delhi &amp; Research Fellow Max Weber Stiftung, New Delhi</p>
---	---

3.3: **Sponsoring Agency:** Centre for Development Studies, Department of Economics, Rajiv Gandhi University

3.4: **Expenditure Incurred:** Rs.15,000/-

### 4.0 Detail Programme:

2.45 pm- 2.50 pm	Welcome Address	Prof. Vandana Upadhyay, Coordinator Center for Development Studies, Department of Economics
2.50 pm – 2.55 pm	Brief Introduction of the Speaker	Prof. Vandana Upadhyay, Coordinator Center for Development Studies, Department of Economics
2.55 Pm- 3.40 pm	Lecture by the Speaker	<b>Barbara Harriss White</b> , Emeritus Professor and Fellow, Wolfson College, Oxford
3.40 pm- 3.45 pm	Concluding remarks by the Chair person	Prof. S. K. Nayak, Head Department of Economics, Rajiv Gandhi University
3.45 pm – 3.50 pm	Vote of Thanks	Anup Kumar Das, Assistant Professor, Department of Economics

## 5.0 Outcome of the Program

Informality is an important characteristic of Indian economy, as it employs more than 90% of the work force of the country. The theme of the presentation was India's informal economy and its implication for climate change. Outline of the talk contains:

- Informal Economy (Definition, Characteristics, Theories, Paradoxes, Trends, continuities and Changes);
- Implications of climate change in different sectors (Agriculture and intertwining, waste and indispensability, informal- criminal economy)
- Implication of climate change about (over and underestimating Indian economics, environmental impact, whether Indian economy innovates for carbon transition and the Indian economy and the state).

The presentation is divided into two parts. The first part was on India's informal economy, where, she regarded informal economy as 'the economy that lies outside the state regulation', for example unlicensed firms. It is huge in size in terms of both employability (93%) and GDP (60%). It is diverse in nature which includes agriculture, classes of labour, occupation from bonded labour to family business, different enterprises and so on. The speaker discussed different theories of informal economy such as Hart's definition, ILO definition, Altvater's surplus labour theory, Margit and Kar's labour laws, De Soto's entrepreneurial sector and Sanyal's subsistence economy model. She also identified some paradoxes, in the form of poverty and the existence. She also showed the dynamics i.e., the continuity and changes of the informal economy in the 21<sup>st</sup> century.

The second part was on the implication of informal economy for climate change. In this regard, she raised some important questions. The first question was about the scope of future research on agricultural production and distribution system, and its effect on greenhouse gases, cost-benefit analysis, labour, energy and water. The second question was on the role of Indian economy in case of generating waste. It was found that informal economy is essential for circulation of waste. The third question was on the relationship between criminality and environment. The fourth question was raised on informal economy and the climate change. She stated that informal economy has significant impact on climate change and the environment. Though literatures suggested that informal economy has negative impact on environment but the extent of this relationship is uncertain. The fifth question put forward by her was innovative capacity of the Indian economy to embark on a low carbon transition. Here, she found some research gaps. The





last question raised by her was whether India can work on a project related to informal economy. She found few project on informal sector in India i.e. National Commission for Enterprises in Unorganised Sector (NCEUS).

The summary of the study states that Indian economy is mostly represented by informal economy. It was also found that informal economy significantly contributed to the emission of GHGs. But little work has been done till date on the informal economy and the climate change or environment. Therefore, she suggested for a vast agenda for field research on informal economy and the environment or the climate change.

## 6.0 Annexure

### 6.1: Brochure:

	<p>RAJIV GANDHI UNIVERSITY CENTER FOR DEVELOPMENT STUDIES DEPARTMENT OF ECONOMICS Special Lecture Series 2022-23 <b>Lecture 9: INDIA'S INFORMAL ECONOMY AND SOME IMPLICATIONS FOR CLIMATE CHANGE</b></p>	
<p>9<sup>th</sup> March, 2023 Time: 2.45 PM Venue: Conference Hall, Department of Economics</p>		
<p><b>Chief Patron</b> <b>Prof. Saket Kushwaha</b> Vice-Chancellor Rajiv Gandhi University</p>	<p><b>Resource Person</b> <b>Barbara Harriss White</b> Emeritus Professor and Fellow, Wolfson College, Oxford &amp; Visiting Professor, JNU, New Delhi &amp; Research Fellow Max Weber Stiftung, New Delhi</p>	<p><b>Advisor</b> <b>Prof. Sushanta Kumar Nayak</b> Head, Department of Economics</p>
<p><b>Organizing Chairman</b> <b>Prof. Vandana Upadhyay</b> Coordinator Center for Development Studies</p>		

### Organizing Secretaries

**Dr. Dil Bahadul Gurung**  
Assistant Professor  
Department of  
Economics, RGU

**Dr. Prasenjit Bujar Baruah**  
Assistant Professor  
Department of Economics, RGU

**Dr. Anup Kumar Das**  
Assistant Professor  
Department of Economics,  
RGU

### About the Speaker:



Barbara Harriss-White has been studying India since driving from Cambridge to Delhi in 1969. A field- and political economist, her main interests have been in rural markets, informal capitalism and dimensions of deprivation. She directed Queen Elizabeth House and founded Oxford's M Phil in Development Studies and the Contemporary South Asian Studies Programme, mentored 80 PhDs and post-docs. Now, she studies the economy and its waste, and agriculture. Recent (edited/co-edited) books: *Middle India and urban-rural development* (2016); *The Wild East: criminal political economies in South Asia* (2019); *Rethinking markets in modern India* (2020); *Agricultural market reforms and farmer protests in India* (2021); *Gold in India* (forthcoming).

## 6.2: Photographs:









6.3: List of Attendance:



**RAJIV GANDHI UNIVERSITY**  
**CENTER FOR DEVELOPMENT STUDIES DEPARTMENT OF ECONOMICS**  
 Special Lecture Series 2022-23  
**Lecture 9: Informal Economy and Some Implications for Climate Change**  
**9th March, 2023**  
 Time: 11.30 AM, Venue: Conference Hall Department of Economics

Attendance

SL No.	Name	Designation	Signature
1.	Dr. Hjum Noshi	Assoc. Professor	<i>[Signature]</i>
2.	MUMTAK BOKO	student	M. BOKO
3.	Tengia Brema	student	<i>[Signature]</i>
4.	Rituparna Datta	PhD Research Scholar	<i>[Signature]</i>
5.	Tanalisia Deori	student	S. Deori
6.	Debashri Borah	student	DBorah
7.	Korlom Mossang	PhD scholar	<i>[Signature]</i>
8.	Hemsi Pulu	scholar	<i>[Signature]</i>
9.	Riya Kado	"	<i>[Signature]</i>
10.	Sudesh Bagan	2nd semester	<i>[Signature]</i>
11.	Anoop Ama	"	<i>[Signature]</i>
12.	Devi Nizk	4th semester	<i>[Signature]</i>
13.	Jagan Dargay	4th "	<i>[Signature]</i>
14.	Shimron Bhasang	4th "	<i>[Signature]</i>
15.	Mukul Konch	4th "	<i>[Signature]</i>
16.	Jagan Khamchik	4th "	<i>[Signature]</i>
17.	Jagan Rokej	" "	<i>[Signature]</i>
18.	Kaback Juni	" "	<i>[Signature]</i>
19.	HIBU AKU	"	<i>[Signature]</i>
20.	ARTI KUMARI	4th Semester	<i>[Signature]</i>
21.	RINCHIN DORJEE	2nd Sem	<i>[Signature]</i>
22.	Jumde Naso	4th Sem	<i>[Signature]</i>
23.	Ashly Boko	2nd Sem	ABOKO
24.	TECH VASAR	2nd Sem	T. Vasar
25.	Pakpi Nada	4th Sem	<i>[Signature]</i>

26.	Isium Boje	4th sem	Bumi
27.	Vandana Upadhyay	Professor	@Upadhyay
28.	Radhika Tawang	2nd Sem	Rawang
29.	S.K. Nayak	Head	9/13/22
30.	Ashi Lakshmi	Asst. Prof	9/13/22
31.	Vani Devi	2nd semester	yandev
32.	Yajie Techi Tava	4th semester	Yajie
33.	Chau Mori	"	Chau
34.	PINGOM BAGKA	"	Shaji
35.	Kanchan Veri	Asst. Prof	Veri
36.	Dhanu Noot	6th Semester	Dhanu
37.	Suresh Khetri	Phd Scholar	Suresh Khetri
38.	Kangkim Morand	2nd sem	Morand
39.	Kagan Lego	4th sem	Kagan
40.	Chingem Telen	4th Sem	Chingem
41.	Kexet Gankak	2nd sem.	Kexet
42.	NALO TASUNO	4th Sem.	NALO
43.	NOTUN BORANGI	4th sem	NOTUN
44.	Khoda Anjo	2nd Sem	Khoda
45.	Kalom Tamuk	2nd sem	Kalom
46.	Pema Khandu	2nd sem	Pema
47.	Mita Meyong	1st sem	Mita
48.	D.B. Gurung	Asst. Professor	D.B. Gurung
49.	Mingyue Dake	2nd semester	M. Dake
50.	Opyanso Jayang	2nd semester	Opyanso
51.	Pani Mangku	2nd semester	Pani
52.	Tales Tabal	2nd "	Tales
53.	Kanpi Basak	"	Kanpi
54.	Sumbi Deyu	"	Sumbi
55.	Ribali Botak	"	Ribali
56.	Rindun Dlema	4th semester	Rindun
57.	Habung Relma	"	Habung
58.	Ipu Kalyu	"	Ipu
59.	Tenjin Dolma	"	Tenjin
60.	Labrang Thamu	2nd semester	L. Thamu
61.	Anup Kh. Dz	Asst. Prof	Anup
62.			
63.			
64.			
65.			
66.			
67.			
68.			
69.			
70.			

@Upadhyay

Coordinator, Centre for Development Studies  
Department of Economics  
Rajiv Gandhi University





**THE INDIAN SOCIETY OF LABOUR ECONOMICS**



# **LABOUR ECONOMICS CONFERENCE**

**1-3 March 2023 | Rajiv Gandhi University, Rono Hills, Itanagar, Arunachal Pradesh, India**



**RAJIV GANDHI UNIVERSITY**

Rono Hills, Itanagar, Arunachal Pradesh, India



The Indian Society of Labour Economics (ISLE) <http://www.isleijle.org/> is a professional association of academics, researchers, and other stakeholders interested in the areas of labour, employment and development. The Society was founded in 1957 to promote scientific studies and disseminate knowledge on labour markets, employment, employment relations and related themes. It publishes a quarterly and peer-reviewed journal "The Indian Journal of Labour Economics" (IJLE) <https://www.springer.com/journal/41027>, which is now in its 64th year of publication. Co-published with Springer the journal features scientific research on labour and employment issues.



# THE INDIAN SOCIETY OF LABOUR ECONOMICS

## 63<sup>rd</sup> LABOUR ECONOMICS CONFERENCE

1-3 March 2023 Rajiv Gandhi University, Rono Hills, Itanagar, Arunachal Pradesh, India



The Indian Society of Labour Economics (ISLE) is pleased to announce its 63rd Annual Conference to be held in Rajiv Gandhi University, Itanagar, Arunachal Pradesh during 1-3 March 2023. This Conference is being organised by the Centre for Development Studies and Department of Economics of Rajiv Gandhi University.

**PROFESSOR JEEMOL UNNI**, Professor of Economics at Amrut Mody School of Management, Ahmedabad University, Ahmedabad is the Conference President. **DR. VANDANA UPADHYAY**, Professor & Head, Department of Economics, Rajiv Gandhi University is the Local Organising Secretary of the Conference.

### Conference Themes



**The Challenge of Youth Employment**



**Changing Rural Labour Markets and Rural Diversification**



**Long Term Impact of COVID 19 Pandemic on the Economy and the Labour Market**

### DATES TO REMEMBER



Last Date for  
Submission of Papers

**30 NOVEMBER 2022\***



Communication from ISLE  
about Acceptance of Papers

**15 DECEMBER 2022**



Last Date for Payment  
of Conference Charges

**31 DECEMBER 2022**

\*Note: The participants from outside India are advised to submit the papers latest by 15 October 2022 so as to allow sufficient time for travel and visa clearance.

## Conference Structure and Duration

Conference is open to academicians, professionals, development practitioners, civil society members etc. interested in labour, employment and development issues. They are welcome to contribute papers and/or participate in the Conference.

The Conference Programme will consist of presentation of a large number of selected papers on the Conference themes. In addition, 3-4 Plenary lectures by eminent scholars/public personalities will be held during the Conference. A Global Plenary Panel on "Climate Change and its Impact on Livelihoods and Employment" is being planned. A Panel on "Creating Decent Work Opportunities in the Hill Economy of North-east India" will also be organised. As in the previous Conferences, a number of parallel panels will also be organised.

The Conference will begin at 9.00 am on 1 March 2023 and conclude by 2.00 pm on 3 March 2023. Participants are advised to reach Itanagar a day prior to the Conference and schedule their departure in the evening of 3 March 2023 or the morning of 4 March 2023.

### **Pre-Conference Event**

A Pre-Conference Event is being organized on 28 February 2023 between 4:00 pm and 7:00 pm. The topics and speakers of the Pre-conference Event will be decided in due course. Those interested in participating in the Pre-Conference event should aim to reach the Conference venue by noon on 28 February 2023.

**All the participants must be fully vaccinated**

## Submission of Papers

- The Conference is open to scholars, professionals and others from India and outside and the proposed papers may focus on empirical contexts pertaining to India or other regions and countries of the world.
- The papers should be submitted online at <http://conference.isleijle.org/> by clicking on the 'Paper Presenter' button.
- The length of the paper should not exceed 8000 words and should adhere to the current writing style of The Indian Journal of Labour Economics (IJLE). For further details, please visit <http://www.springer.com/economics/journal/41027>
- All papers should include a summary of around 500 words. The summaries of all accepted papers will be compiled into a publication which will be distributed among the Conference participants. These summaries will also be uploaded on the ISLE website.
- The selected revised papers presented in the Conference will be considered for publication in the Indian Journal of Labour Economics after peer review.
- Authors must ensure that their submissions are original. Please note that all papers will be screened for plagiarism and accordingly accepted or rejected. Further, authors are solely responsible for plagiarism violations.
- **Best Paper Award and Fellowship:** Every year ISLE gives Ruddar Datt Memorial and L K Deshpande Awards for two best papers presented in the Conference, and Surjit Singh Fellowship, to a young scholar below 40 years. For further details, visit: <http://conference.isleijle.org/>



## Submission of Panel Proposals

During the Conference, a number of panels will be organised in addition to a Pre-Conference event. Proposals for organising the panels are invited from scholars and institutions.

Each panel proposal should contain the following:

- Title of the panel and a description of the panel's theme
- Titles, authors and abstracts (500-700 words) of the papers to be presented
- Names, affiliations and short biographies (100-150 words) of the proposed presenters and discussants/commentators
- Name and contact information of the Panel Organiser

**Note:** A panel session will comprise of 4-5 paper presentations. The organisers / coordinators of each Panel Session are expected to be in charge of the Panel Discussion, including raising resources for speakers' travel and other expenditure. The proposals may be emailed to [conference.isle@gmail.com](mailto:conference.isle@gmail.com) and uploaded on <http://conference.isleijle.org> latest by 30 November 2022.

## Travel Arrangements

The Indian Society of Labour Economics does not have any regular source of funding and each year the Society is able to raise some limited resources. As such, it is expected that the paper presenters, resource persons and other participants will fund their travel costs through their own institutions or other sources. For some select keynote / invited paper writers and resource persons, who are either superannuated or cannot manage their travel costs, the Society will make an effort to meet their travel expenses.

## Conference Participation Charges

Participation Category	With Accommodation			No Accommodation	
	Delegate		Accompanying Person	Delegate	
	ISLE Members	Non-ISLE Members		ISLE Members	Non-ISLE Members
India (INR)	5000	6500*	3000	2500	4000
Students (PG & Ph.D.) from India	2500	3500*	3000	1500	2500
Developing Countries (US \$)	150	225	125	75	150
Other Countries (US \$)	225	350	150	110	225

*\*Includes Rs. 1500 mandatory ISLE Annual Membership Charge.*

- Conference is heavily subsidised and Conference Participation Charges cover only a small part of the overall expenses of the Conference.
- The Conference Participation Charges include payment towards a conference kit (comprising the summaries of all the papers presented at the Conference, a conference bag, stationery, etc.), local transport, modest accommodation and meals served during the Conference.
- Those paying the Conference Participation Charges after the deadline of 31 December 2022 will have to arrange their own accommodation and transportation.

## Mode of Payment

The ISLE has introduced an online payment gateway from 2022 to facilitate centralized and seamless acceptance of payments and encryption of the information for an easy and secure transaction experience.

Conference Participation Charges should be paid online at <http://conference.isleijle.org> by clicking the 'Conference Participation Charges' button.

## Contact Details

### *Conference President*

#### **Professor Jeemol Unni**

Professor of Economics

Amrut Mody School of Management

Ahmedabad University, Ahmedabad

Email: [president.63isleconference@gmail.com](mailto:president.63isleconference@gmail.com)

### *Conference Local Organising Secretary*

#### **Professor Vandana Upadhyay**

Professor & HOD

Department of Economics

Rajiv Gandhi University

Rono Hills, Itanagar, Arunachal Pradesh (India)

Conference Local Secretariat Email: [63isle.rgu@gmail.com](mailto:63isle.rgu@gmail.com)

Phone: +(91) 8731036259; (91) 9402255510

All Conference logistics related queries (accommodation, local arrangements) should be addressed on above email and phone numbers.

## ISLE Secretariat

**Professor I.C. Awasthi**

Hon. Secretary

**Ms. Priyanka Tyagi**

Communication In-Charge

**Ms. Jyoti Girish**

Administration and Logistics

Email: [mail@isleijle.org](mailto:mail@isleijle.org); [conference.isle@gmail.com](mailto:conference.isle@gmail.com)

Contact: Phone: +91-11-41064679; Mobile: +91- 9871177540

All queries relating to the Paper Submission and Payment of Conference Participation charges should be emailed only to: [mail@isleijle.org](mailto:mail@isleijle.org)

For details and updates on the Conference, please visit  
<http://conference.isleijle.org/>



# Local Conference Organising Committee

Rajiv Gandhi University (RGU), Rono Hills, Itanagar, Arunachal Pradesh

Chief Patron

**Professor Saket Kushwaha**

Vice Chancellor

Conference Organising Secretary

**Professor Vandana Upadhyay**

Professor & HOD, Department of Economics

Email: vandana.upadhyay@rgu.ac.in

Conference Joint Organising Secretary

**Prof. S. K. Nayak**

Professor, Department of Economics

Email: sushanta.nayak@rgu.ac.in

## Associate Organising Secretaries

**Dr. Ashi Lama**

Associate Professor, Department of Economics

**Dr. Lijum Nochi**

Associate Professor, Department of Economics

## Assistant Organising Secretaries

**Ms. Moyir Riba**

Assistant Professor

Department of Education  
& Public Relations Officer

**Dr. Dil Bahadur Gurung**

Assistant Professor

Department of Economics

**Dr. Prasenjit B. Baruah**

Assistant Professor

Department of Economics

**Dr. Anup K Das**

Assistant Professor

Department of Economics

**Dr. Kaushalendra Pratap Singh**

Assistant Professor

Department of Social Work

**Dr. N. Vikimchandra Singh**

Assistant Professor

Department of Statistics

## Guidelines on Conference Themes for Prospective Contributors

The guidelines on the conference themes are suggestive only. The prospective paper writers may contribute on other relevant sub-themes as well. Apart from contributions on India, papers relating to other regions and countries are also welcome.

## THEME 1: The Challenge of Youth Employment

The creation of decent employment for the youth is a global challenge which has dominated the policy discourse for the last several decades. The issue has been discussed more in developed countries as the youth unemployment rates have been considerably high in these countries. In developing countries, with exceptions like South Africa, the levels of youth, unemployment have generally been lower. This has been mainly due to prevalence of poverty and lower educational attainments in these countries. However, of late most of the developing countries are witnessing higher levels of youth unemployment and this has become a major policy concern.



In India the youth unemployment rates have increased in recent years, particularly for those with higher level of education. India, at present, is home to the largest population of youth in the world. Its working age population including youth is still showing a rise, unlike most developed countries, where the elderly population has been increasing steadily and the growth of the working age population has been slowing down. This demographic advantage is likely to remain for at least another decade. At the same time, the increasing number of around 5 million people who are entering the labour force each year is an important challenge which is further accentuated by the technological changes. Further, there has been a growing enrolment of youth in secondary and tertiary levels of education, which has resulted in the supply of better-skilled workforce. However, there has been a significant increase in unemployment rates for the youth from 7.6 per cent in 2011-12 to

16.6 per cent in 2019-20. A more serious concern is the increasing unemployment among educated youth. For young women, the employment situation is worse in terms of labour force participation as well as lack of jobs.

In India the level of formal vocational/training is quite low. Only about 3% of the population reported receiving formal vocational/technical training in 2019-20. This is in sharp contrast to youth receiving such training in developed countries where the percentages range between 50-80%. Although most of the training in India is informal which our statistical system is not able to capture, there is no doubt that the level of vocational/technical training is low in the country. Further, the growing number of persons 'Not in Employment, Education and Training (NEET)' is also a serious concern – 34.4% of youth were in NEET in 2019-20. There have been several interventions by the government to address this issue and a number of policies and programmes have been launched with mixed results.

In the above context, the following are some of the indicative topics for prospective paper writers on this theme.

- What are the global trends in youth employment and unemployment in both developed and developing countries? Do the trends differ between developed and developing countries?
- What are the pattern and trends of youth employment in India? Whether these patterns and trends differ across states, rural-urban, gender and social groups? If the differences are significant, what are the underlying factors?
- How does the youth employment status and quality differ across formal-informal, occupation and sectoral distribution compared to adults?



- How is increasing enrolment rate in higher education and rising level of education among youth changing the supply and demand pattern in the labour market?
- What are the factors for the high unemployment rates among educated youth, particularly those having better education? Whether there is a lack of enough suitable jobs as per their educational qualification? Is there a skill mismatch in the labour market?
- Why educated women's unemployment rates are substantially higher than their male counterparts? Which factors could enable more educated young women to participate in the labour market?
- What is the status of youth in NEET, and why has the share of youth in NEET increased over the years? Who are these youths, and why they are idle?
- Which factors can play important roles in the smooth school-to-work transition of youth? What are the best international practices that India can follow to improve the school-to-work transition of youth?
- New technology and digitalisation are changing the demand for skills and nature of work in the Indian labour market. How are youth affected by these changes?
- What are the impacts of COVID 19 on employment of youth in the labour market?
- Does the gig economy have enough potential to provide suitable jobs to the increasing number of unemployed youths especially women in India? Which policies can make the gig jobs more suitable to meet the aspiration levels of the youth?

- Have the various skill and vocational training initiatives of the government achieved the desired results? What are the reasons for the success, and failure of skills and vocational training schemes? What can India learn from international experiences?
- What are the new active labour market policies, and schemes introduced by the government in recent years, and how have these initiatives benefitted the youth population? What are the challenges in implementation and possible solutions to improve the schemes?

Papers are welcome on the implications for youth employment of the other two themes of the conference, the COVID 19 pandemic and rural diversification. The above themes are only indicative and prospective paper writers can choose other relevant topics/sub-topics from the broad theme.

## THEME 2: Changing Rural Labour Markets and Rural Diversification

Rural diversification, which forms an essential part of rural transformation, has been an important growth strategy. It encompasses not only agricultural diversification but also diversification of income, employment and occupation within the entire rural sector. The nature and pattern of rural labour markets significantly affect the pace and pattern of rural diversification and inter alia labour markets also get transformed by rural diversification. If diversification is key, it is not only diversification in production, but also diversification within households, both because individuals undertake multiple jobs, and because different family members work in different activities, with a division of labour by gender and age. There seems to be a move away from the purely agricultural household towards more complex forms of household insertion in the labour market.

In India, agriculture is by far the most dominant activity in rural areas in most parts of the country. Over time, there is a trend of long-term contraction of agriculture in economy and the share of agriculture in the GDP has declined at a rapid rate from around close to 50 percent in early 1970s to only around 13 percent in 2019-20. However, the extent of diversification of the labour force away from agriculture is very limited and has only declined from around 74 percent in early 1970s to around 46 percent in 2019-20. This structural imbalance in the economy has led to the increasing burden of the population on agriculture and low productivity of agricultural workers. While there are large inter- regional variations in the levels of agricultural productivity and wages, they are invariably lower than rural non-



agricultural wages and earnings. Low productivity is combined with increasing marginalization of small holdings and concentration of low incomes and poverty among the marginal and small farmers. This is one of the important factors behind the agrarian crises that India is currently witnessing.

There have been several other changes in rural sector in recent years. Due to mechanization the growth in demand for labour in agriculture has declined. At the same time some alternative agricultural technologies and practices like SRI, natural and organic farming, albeit in small way have emerged and there has been a shift in agricultural production towards horticulture, dairy, poultry etc. Rural non-farm employment has been growing consistently and non-farm employment has become a major or supplementary source of income for a considerable proportion of agricultural households. The structural shift within rural non-farm employment has been driven by construction, but transport and other services, albeit small, have also grown. However, almost all employment in agriculture and more than eighty percent of non-farm employment is informal in nature.

The link between rural and urban areas through migration, commuting and trade has strengthened over the years. Increased rural-urban connections, both physical and virtual, mean that the labour market is becoming more integrated across urban and rural spaces. It is important to study regional or district labour markets rather than distinct rural and urban labour markets. The increasing attainment of education among a large proportion of rural population, including women, has implications for labour markets. Women are still more engaged in agriculture and subsidiary activities. There has been changes in the labour market institutions as well. Although, mobilization of rural labour is limited, thanks to other developments and public interventions (i.e., migration from backward areas, MGNREGA etc.) the bargaining power of rural labour has somewhat increased. There is increasing tendency towards payment of wages by piece rate, or by contracted

quantity of work, in place of daily rates, with uncertain implications for incomes of workers. The government interventions such as Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), Rural Livelihood Missions, etc. have had profound impacts on rural areas.

All these mentioned above have considerably changed the rural landscape, both agriculture and non-agriculture sectors. It will be insightful to examine their implications and impacts on rural labour markets, rural diversification, and in fact rural transformation.

The following may be considered as indicative issues for prospective paper writers on this theme.

- How far has the process of rural diversification taken place in India? Whether or not rural diversification and in various states is related to agricultural growth? How far has crop diversification been instrumental in rural diversification?
- What role the development of rural industrialization plays in rural diversification? What are specific requirements of the non-farm enterprises so that these can be better integrated into policies and strategies at various levels?
- What are the demand side requirements for rural industries to succeed?
- What are the roles of various kinds of policies and programmes (credit, subsidies etc.) in the growth of rural industries?
- Given the growth of services in rural areas, how can development of services contribute to accelerating rural diversification?
- What are the implications and impacts of changing nature of rural labour markets on employment of workers – males, females and young?



- What are the implications of increasing mechanization of agriculture and emerging alternative technologies and practices on the labour market?
- What are the impacts of shift in agriculture towards high value crops and growth of dairying on labour markets?
- The majority of land holdings are small and marginal. Are such marginal and small holdings viable anymore?
- Is the shift from farm to non-farm activities indicative of higher productivity of the latter? If yes, what are the entry barriers and can it reduce gender and social group segmentation?
- How is rural labour market being impacted by links with urban areas (through migration, commuting, trade etc.)?
- What household labour market strategy is adopted to diversify economics activities and improve livelihoods and incomes?
- What are the gender implications of changing rural labour markets?
- What are the barriers that affect entry of female workers in non-farm employment?
- What are the implications of MGNREGA and other initiatives of the government for rural labour markets, including reducing gender and social groups discrimination in the labour market?
- What is the role of state and its agencies in accelerating the pace of rural diversification in various regions of India?
- What are the relevant international experiences from which India can draw suitable lessons?

These are only indicative topics and prospective paper writers may choose their own topics within the broad theme.

## **THEME 3: Long Term Impact of COVID 19 Pandemic on the Economy and the Labour Market**



The impact of the COVID 19 pandemic on the Indian economy and society has been studied by many scholars. It is over two years since the first wave of the pandemic struck India and total lockdown was imposed in March 2020. The economy has begun to recover, but the sectors hit most by the first lockdown and workers and enterprises in the informal economy are still struggling to recover their losses. The differential gendered economic impact and that on various social groups has been discussed, but little is known about how have they fared in the last two years. The future of the students who lost nearly two years of education when schools and colleges were either closed or classes went online is in jeopardy. The long-term impact of the COVID 19 pandemic still lingers over us and needs careful consideration. Under this theme on the long-term impact of COVID 19, subthemes and issues that can be studied within them are highlighted below.

### ***Long term impact of COVID 19 on the economy and labour market***

A lot has been written on the impact of COVID 19 and the restriction placed on economic activity on employment and incomes. While the economy has revived to some extent in the two years after the pandemic hit, many sectors are still reeling under the long-term impact. What is the impact on output and employment at a macro level? Which sectors and segments of the economy are faring well or still grappling to survive? What factors have

helped sectors to recover? How have the industry segments and workers within the informal economy fared? How have self-employed enterprises in the informal economy sustained themselves? How have industrial associations, chambers of commerce, trade union, NGOs and the government helped in the revival of the various industrial sectors?

### ***Gendered impact of COVID 19 on employment and care work***

Many studies have noted a gendered impact of COVID 19 with women facing the brunt of employment losses and reduction in wages and incomes. Women were also less likely to return to work or regain their earlier employment status. Women have performed the social reproduction function in society and continue to do so. But during the pandemic the double burden of work increased many folds. This was due to the fact that children, whose schools and colleges were closed, and other members, who faced closure of their places of work, remained at home. What has been the long-term impact on the labour market? Has the intra-household burden of care work changed within the household in the long term based on experiences during the pandemic?

### ***Who were the losers and gainers in this period of crisis by occupations, status, social and other groups?***

What has been the impact of COVID 19 on inequality more generally - which groups have been able to protect themselves and which were more vulnerable? Did SCs fare better or worse than STs and OBCs, and much worse than higher castes? Did white collar workers do better than production workers, non-agricultural workers do better than agricultural workers and

casual workers better than regular workers? Were the wealthy and those with better social networks better able to tide over and maybe even profit from the crisis situation? All these are hypotheses that require empirical verification.

### ***The long term effects of the pandemic on businesses***

It has been observed that business in certain industry groups were hit more severely during the pandemic. Largely the 'touch industries' where face to face interaction was a necessity were negatively impacted more than other sectors. This included the hospitality industry, like hotels and restaurants, travel and tourism, beauty and gymnasiums and face to face retail trade of non-essential goods and services. While precipitating a large short-term decline in economic activity, the COVID 19 pandemic also brought about changes in the way businesses operate. Businesses that were able to shift to online mode were able to tide over the crisis more smoothly. There was also a change in consumer behaviour, some of which may continue after the crisis. These changes will make an impact on output, GDP, employment and prices, and their relationship in the long term. What is the longer-term impact on employment if firms go out of business? What are the long-term effects, on business organisation or the markets that businesses operate in? How will it affect the sales, employment, prices and profits in the long-term? Remote working and an acceleration of digitalisation were the most frequently cited long-term supply-side effects of the pandemic. Would business become more efficient and more resilient following the pandemic? Will firms reduce working hours or wages or simply fire workers? What are the chances of business adopting more flexible norms of work, including work from home? Which sectors of industry will be better able to adapt to these changes in the long term?

### ***COVID 19 pandemic and domestic migration***

The crisis facing migrant workers during the lockdown was revealed to us very dramatically by the media. There was an exodus of migrants who walked long distances to their homes when their places of work shutdown abruptly. Circular migration is a phenomenon in India. To what extent did these workers return to their places of work? Were they able to get back their previous jobs or were they successful in finding new ones? A large number of migrants in the informal sector set up their own small enterprises. Most of these enterprises were badly hit during the pandemic. What has been the long-term impact of this loss of jobs and incomes on the migrants? Households in some states are heavily dependent on remittances from the migrant workers. How has domestic remittances been affected by the pandemic?

### ***COVID 19 pandemic impact on international migration and remittances***

International migration was affected during the pandemic and many of the countries across the world requested the immigrants to leave the country. This was mainly because of closure of business, fear of infection and the limited capacity to attend to the health crisis within the country. International migration occurs from all states of India, but states like Kerala, Gujarat and Punjab are known for its NRI population. Remittances from these migrants form the major source of income of a large proportion of households. In Kerala it is estimated that remittances form nearly one-third of its State Domestic Product. Remittances have helped to alleviate poverty as well as sustain growth. But the pandemic created a dramatic reversal affecting poor families and the states which were dependent on it. Has this situation improved? Have immigrants been able to return or find other sources of livelihood? How have the households coped and how has the state responded to this crisis?



### ***Long term impact of COVID 19 on education and learning outcomes and consequently on employment opportunities***

While the impact of COVID 19 on employment has been studied, its long-term impact on level of education and learning outcomes are less known. The impact of the closure of schools and colleges as well as the move to online learning has caused loss of learning in the short term. However, the more dangerous aspect of this loss is the possible diminishing economic opportunities for the cohort of students who suffered. While some schools and colleges moved to online learning, the great digital divide ensured that the economically weaker section of students were left out. ASER reports on learning outcome were showing a slow improvement over the years prior to the pandemic. However, there was a large decline in language and arithmetic learning outcomes in 2020. Will the students ever be able to catch up? What is the long-term impact of this loss of learning? The need for affordable high-quality broadband and smartphones had become most evident during this crisis. Has online learning been able to compensate for the loss of physical classrooms, the guidance of teachers and learning from peers? Do employers perceive a loss of skills and if so, would this affect their hiring choices?

### ***Mitigation policies***

With the onslaught of the COVID 19 pandemic, governments have introduced many measures and policy, broadly to mitigate the effect on employment and incomes. What were the policies introduced to mainly substituted for loss of employment and income? What are some of the measures that have been particularly successful in mitigating the economic hardships? Some of these measures such as food and income support were withdrawn in a couple of months.

### ***How did this impact the households?***

Were the mitigation policies gendered and did it work to exacerbate gender inequalities? Did the design of the mitigation policy take account of the different constraints faced by women and men in the market and the domestic space? The critical role of the care economy and the role of women in it was brought out by the pandemic. Did mitigation policies take into consideration the critical role of the care work of women? Has the criticality of care work during the pandemic helped to change the social norms related to who and how care work is distributed in the household? Did it help to generate an awareness among governments and private enterprises about the role of care work?

### ***Macroeconomics policies for revival***

Governments have also introduced policies to revive the economy. What is the role of, and constraints on, macroeconomic policies as a consequence of COVID 19? What industrial support policies were introduced for recovery of output? What was the nature and timing of these policies? What were the medium-term macro policies, programmes or strategies designed/or that can be designed to revitalise the economy? What are the implications for public expenditure on treatment and vaccinations, the need for and costs of strengthening a weak public health care system?

### ***Implications of the pandemic for the future of work***

For a large segment of the population the pandemic was a reminder of the precarious nature of employment and work contracts. The issue of the future of work in the context of artificial intelligence was in the forefront prior to the pandemic.

However, the pandemic brought out in a starker fashion the importance of digitalisation in many jobs and industries. What are the possible long-term impacts of the pandemic on the future of work? How would the hours of work and possibility of work from home affect employment and incomes? How would the concept of the place of work change in the long term? Would companies opt for hiring common work spaces for employees to meet and work rather than locating them in permanent office structures? What could be the implication for the real estate sector and employment in it?

These subthemes and questions are only examples of issues that can be studied under the broad theme of long-term impact of COVID 19. We also encourage papers that draw on international experiences, perhaps comparing India's experience with some other countries. Participants are welcome to expand the ideas and present on other related issues as well.

## About Conference Host: **Rajiv Gandhi University (RGU)**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Late Mrs. Indira Gandhi, the then Prime Minister of India, laid the foundation stone of the University on 4th February 1984 at Rono Hills, where the present campus is located. The university campus is located on a panoramic table land of 302 acres overlooking the river Dikrong bridge, locally known as Rono-Hills in the outskirts of Itanagar, the capital of Arunachal Pradesh. It is connected to the national highway No. 415 leading to Itanagar. It is 6.5 km away from the National Highway 52-A and 25 km away from Itanagar, the State capital. The campus is linked with the National Highway by the Dikrong bridge. The nearest railway station is Gumto, just 10 minutes away from Rajiv Gandhi University.

### **Department of Economics, Rajiv Gandhi University**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal Department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The Department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognising the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

## **Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre.



## About The Capital City Itanagar, Arunachal Pradesh

The picturesque town of Itanagar, Arunachal Pradesh's capital, is located in the southern foothills of the Himalayas. Itanagar is located at 27.1°N 93.62°E. It has an average elevation of 320 metres. Itanagar has a humid subtropical climate with dry, warm winters and hot, unpleasantly humid and wet summers. The first month of the pre-monsoon summer, March, is a moderately hot month in Itanagar, with average temperature fluctuating between 25°C (77°F) and 14.7°C (58.5°F). In Itanagar, the average high-temperature is relatively the same as in February - a moderately hot 25°C (77°F). Overall, the State of Arunachal Pradesh has a pleasant weather during November-March.

### How To Reach Itanagar?



**By Air:** Itanagar is well connected by air. Lilabari airport in Assam is around 50 km away from RGU with air connect with Kolkata and Guwahati and takes around 75 minutes depending upon the traffic situation. Flights from all major cities such as Mumbai, Delhi, Chennai, Kolkata, Jaipur, Bangalore, Ahmedabad, etc. operate to Guwahati. Shared Taxi and buses are available from Guwahati to reach Itanagar which takes around 8 hours. Further, Dibrugarh Airport in Assam is around 220 Kms, from RGU and takes around 4 hours to reach RGU. Taxis and trains are available from Dibrugarh to Itanagar. Itanagar also has its own regular chopper service from Guwahati. There is a direct helicopter service between Guwahati and Naharlagun. Rajiv Gandhi University is around 13 Kms away from Naharlagun.

*Donyi Polo airport located at Hollongi is around 28 km from RGU, and is scheduled to be operational by mid October 2022. This airport will provide hustle free connectivity to Itanagar and RGU.*



**By Rail:** There are overnight train services (Donyi-Polo Express) between Guwahati and Naharlagun. Naharlagun is the nearest railway station, where direct train Doni Polo Express runs every day from Guwahati Railway Station. Rajdhani and Shatabdi Express too run on alternate days from Naharlagun to Delhi and Guwahati. Trains are also available between Dibrugarh and Naharlagun stations. Advance booking is advisable from IRCTC website for comfortable journey. The nearest railway station to the University is the Gumto station.



**By Road:** There is daily night and day super bus service available from ISBT Guwahati. Many premium Volvo bus service is also available in the same route. It will take about 8 hours to reach Itanagar from Guwahati by bus. Shared/Reserved taxi is also available from Guwahati airport to Itanagar (8 hours journey).

## Reception to the Delegates

*On 28 February and 1 March 2023, the delegates will be received at the Donyi Polo airport located at Hollongi and Lilabari airports and helipad at Naharlagun. They will also be received on Naharlagun railway stations as well as ISBT, Lekhi at Naharlagun.*

**Inner Line Permit:** The State of Arunachal Pradesh falls under restricted area. Official permission is required to enter the state, and therefore the visitors other than natives of Arunachal Pradesh are required to obtain an Inner Line Permit (ILP) to enter Arunachal Pradesh. Inner line Permits are issued by the Secretary (Political), Government of Arunachal Pradesh, respective Deputy Commissioner and Additional Deputy Commissioner of the Districts. These can also be obtained from Resident Commissioner's office / Deputy Resident Commissioner & Liaison Offices. Online ILP can be obtained from the official website of the Arunachal Pradesh Inner Line Permit Management System.

In practice, inner line permit is quite easy to obtain online within two to three working days. For applying online, please visit the website [www.arunachalip.com](http://www.arunachalip.com) on which details and procedures are also available. All the registered delegates will be sent the scanned copies of the invitation letter which they may show at the check gate/railway station/airport of the State.

### **For Foreigners**

Individual foreigner visiting Arunachal require Restricted Area Permit (R.A.P) from the Ministry of Home Affairs, Government. of India, F-1, Lok Nayak Bhawan, Khan Market, New Delhi- 110 001. Group tourists consisting of at least 4 (four) members can obtain the R.A.P from

- All F.R.R.O at Kolkata, Delhi, Mumbai, Chennai.
- Chief Immigration Officer, Chennai;
- The Commissioner Home, Government of Arunachal Pradesh, Itanagar- 791 111

### **Weather in Itanagar in March**

The first month of the pre-monsoon summer, March, is a warm month in Itanagar, with an average temperature fluctuating between 25°C (77°F) and 14.7°C (58.5°F).

## Some Places of Attraction in Itanagar

**Itanagar** (Capital of Arunachal Pradesh) has a rich mixture of archeological sites of great historical value and built-up resources and institutions of great socio-cultural significance.

**Itafort**, the fort of bricks from which the state capital derives its name, is situated in the heart of Itanagar. The fort has an irregular shape, it is built mainly with bricks dating back to the 14th-15th centuries during the reign of Ramachandra, King of the Jitari Dynasty.

**Geykar Sinyik** (Ganga Lake) is a beautiful natural lake, locally known as GeykarSinyik is surrounded by a landmass of hard rock. The name GeykarSinyik means 'confined water'.

**Jawaharlal Nehru Museum** has a rich collection of textiles, weaponry, household articles and handicrafts items reflecting the tribal culture and heritage of Arunachal Pradesh. There is also a Buddhist Monastery at Itanagar (Gompa) near the Museum.

**Craft Centre and Emporium** at Itanagar is worth visiting where one can see and buy local artifacts like wall paintings, traditional costumes made of natural vegetable and herbal dye yarns, and attractive utility items made of cane and bamboo.

**Zoological Park** (Zoo) is located at Chimpu. The park has a variety of fauna including avi-fauna species.

**Indira Gandhi Park** is a popular park located at Itanagar.

**Polo Park** is a small botanical garden located on top of a ridge at Naharlagun (the twin capital city).

## Some Popular Places of interest for Visitors in Arunachal Pradesh

Tourist Spots	Popular Tourist Circuits	Attractions	Distance from RGU, Rono Hills, Itanagar
<b>Itanagar</b>	Itanagar-Ziro-Daporijo-Aalo-Pasighat	Ita Fort, Thupten Gatseling Monastery, Ganga Lake or Geker Sinying, Theravada Buddhist Temple, State Museum	25 km
<b>Tawang</b>	Tezpur-Bhalukpong-Tipi-Bomdila-Sela Pass-Tawang	Sela Pass and Lake, Sangetsar (Madhuri) Lake, Tawang Monastery, Urgelling Monastery, Nuranang Falls, War Memorials, Bumla Border.	450 km
<b>Bomdila</b>	Tezpur-Bhalukpong-Tipi-Bomdila-Sela Pass-Tawang	Bomdila Monastery, Eagle Nest Wildlife Sanctuary, Kameng Elephant Reserve, Tippi Orchid Centre, Heritage Village Thembang, Hot water spring (Dirang)	300 km
<b>Ziro*</b>	Itanagar-Ziro-Daporijo-Aalo-Pasighat	Ziro, The Subansiri Lower Dam	110 km
<b>Pasighat</b>	Itanagar-Ziro-Daporijo-Aalo-Pasighat	Daying Ering Wildlife Sanctuary, Sirki Waterfall, Ellam textile industry, Bodak angling centre, Raneghat Bridge, Mebo, Komlighat, Siang River view	263 km
<b>Tezu &amp; Namsai</b>	Tinsukia-Tezu-Hayuliang-ParasuramKund	Parasuram Kund, The Kamlang Wildlife Sanctuary, Chowkham, Tengapani	346 km

**Note:** There will be a travel desk at the Conference venue to facilitate travel arrangements of the delegates. On 4th March 2023, depending upon the number of interested people, the Organisers can arrange a day long trip to Ziro on payment. Those interested in the trip, should contact the Conference Local Secretariat by 15 February 2023.





Centre for Development Studies and Department of Economics  
Rajiv Gandhi University, Rono Hills, Itanagar, Arunachal Pradesh  
<https://rgu.ac.in/department-of-economics/>



### **The Indian Society of Labour Economics**

C/o Institute for Human Development  
256, 2nd Floor, Okhla Industrial Estate, Phase III, New Delhi-110020, India  
Phone: 011-41064679; Mobile: +91- 9871177540  
Email: [ijle.isle@gmail.com](mailto:ijle.isle@gmail.com); [mail@isleijle.org](mailto:mail@isleijle.org) Website: [www.isleijle.org](http://www.isleijle.org)





**THE INDIAN SOCIETY OF LABOUR ECONOMICS**  
**63 LABOUR ECONOMICS CONFERENCE**  
1-3 March 2023 Rajiv Gandhi University, Rono Hills, Itanagar, Arunachal Pradesh, India



## **Conference Report**

### **The Three Day 63<sup>rd</sup> Indian Society of Labour Economics International Conference concludes in Rajiv Gandhi University, Itanagar**

The 63<sup>rd</sup> Annual Conference of the Indian Society of Labour Economics was held in Rajiv Gandhi University (RGU), Itanagar, Arunachal Pradesh during 1-3 March 2023. This Conference was jointly **organised** by the **Centre for Development Studies (CDS) and Department of Economics** of Rajiv Gandhi University, Itanagar, Arunachal Pradesh. Professor Vandana Upadhyay, coordinator of the CDS and Professor of Economics at RGU was the Conference Organising Secretary.

The Inaugural ceremony of the three-day 63<sup>rd</sup> Annual Conference of the Indian Society of Labour Economics was held at Rajiv Gandhi University, Itanagar, Arunachal Pradesh on 1 March 2023. During the inaugural programme Hon'ble **Chief Minister of Arunachal Pradesh Shri Pema Khandu** in his message congratulated the Rajiv Gandhi University for conducting the international conference on a very important issue that concerns the government policy. **Er. Taba Tedir, Hon'ble Minister of Education of Arunachal Pradesh** in his address as the Chief Guest of the Inaugural function expressed his satisfaction at the way the lone Central University of the state, Rajiv Gandhi University has been making remarkable contribution for the academic progress of the state while sending out important direction for the entire student community to bring the light of true development for the benefit of the people through research

and spirit of dedicated service. The **guest of honour Professor Ramesh Chand, Member, Niti Aayog**, praised the ISLE for vibrantly holding conferences and sensitizing societies to contribute towards wealth generation while availing of the benefits of several people-friendly government policies and schemes. The other dignitaries on the dias included, **Mr. Satoshi Sasaki, Director (AI), ILO Office for India** who saw in efforts like the present conference the potential to build an able think-tank which in full responsibility of knowledge of the societies and their goals would be able to make MDGs and SDGs achievable. **Prof. Saket Kushwaha, Vice Chancellor , Rajiv Gandhi University** in his address as the head of the host-institution welcomed the august gathering of delegates from the national and international hue and the eminent dignitaries from international and national bodies like ILO and NITI Aayog and expressed his firm hope of how through commitment and vision major goals can be achieved; **Prof. Deepak Nayyar, former Vice Chancellor of University of Delhi, Prof. Jeemol Unni, President ISLE Conference** and **Prof. Alakh Narayan Sharma, Director, Institute for Human Development** in their respective addresses dwelt on the significance and also contribution of the ISLE to the cause of labour and related programmes with intellectual megameets of the present kind by taking the spirit to sensitize stakeholders and promoting analytical research with thrust on youth participation. **Prof. S. K Nayak**, HoD Department of Economics proposed the vote of thanks.

Over the course of three days i.e 1-3 March 2023, about 600 delegates, including a number of distinguished scholars, policy-makers, and professionals from all over India and many from other parts of the world, participated in the Conference and deliberated on the Conference Themes : (a) **The Challenge of Youth Employment**, (b) **Changing Rural Labour Markets and Rural Diversification**, and (c) **Long Term Impact of COVID 19 pandemic on the Economy and the Labour Market** for

suggesting viable solutions to the issues confronting labour and employment.

The three-day long deliberations were spread over in Technical Sessions, Parallel Sessions, Symposium, Round-Table Discussion and Memorial Lecture. **About 260 + papers** were presented during the Conference across the three Conference themes.

**Six panel discussion and two round tables** were held which covered a **broad range of topics** such as the **impact of covid-19 on the labor market in the global south, migration, and the various aspects related to gender focused on livelihoods and employment across themes such as Women Entrepreneurship in MSME's, women's movement, and care work.**

The **Keynote papers** on these themes were presented by three **distinguished speakers** namely **Sher Verick from ILO, Vinoj Abraham from CDS, Trivandrum, and Ashwani Deshpande from Ashoka University.** Sher Verick presented on the challenges of youth employment and stressed upon the importance of countries developing integrated youth employment strategy that address job creations, quality of jobs, and inclusion. Vinoj Abraham presented on the slow emergence of rural non-farm sector and employment in India, focusing on the trends and patterns in employment in the rural economy, and he discussed the shifts and diversification within rural employment. Ashwani Deshpande discussed the impact of covid-19 on the Indian labour market and stressed that the employment challenge for India is bigger than just achieving pre-pandemic levels, and there is an urgent need to boost job creation and rectify pre-pandemic deep rooted inequalities.

**Four Memorial Lectures** were also delivered during the conference. **Abhijit Sen Memorial Lecture: presented by Ramesh Chand, member NITI Aayog** on Changes in Female Labour-force and Employment: Evidence from PLFS Data. **T.S. Papola Memorial Lecture: presented by Rajat Kathuria on Technology and Future of Work.** The **V.V. Giri Memorial Lecture: presented by Martha (Marty) Chen of Harvard University on the Informal Economy in Comparative Perspective: Theory, Reality and Policy.** The **Y.K. Alagh Memorial Lecture: presented by Indira Hirway on Work and Workers in India: Moving towards Inclusive and Sustainable Development.**

A Plenary panel focusing on climate change, livelihood, and employment stressed the consequences of our social and economic systems, and the options available to reduce the adverse impacts and increase capacity to respond. Every year a **special panel** is dedicated to the region in which the conference is organized, this year the panel was on “**Creating Decent Livelihoods and Employment Opportunities in the Hill Economies of North-East India**”. Several experts, **Prof. Atul Sarma, Prof. Barbara Harris White, Prof. M.P. Bezbaruah, Prof. Bhagirathi Panda, Prof. Bijoy K Singh and Prof. Deepak K Mishra and Prof. Rajarshi Bedmatta** exclusive to the region discussed this issue. It is hoped that these celebrations connect the various tracks of dialogue and serve as policy inputs for the governments of the region.

The conference concluded with the Valedictory session on 3rd March, 2023, where the registrar of the University **Dr. N.T. Rikam** welcomed all the delegates. It was graced by the hon'ble Deputy Chief minister **Shri Chowna Mein as the Chief Guest, Prof. Kunal Sen** who delivered the Valedictory address, and **Prof. Dhananjay Singh, Member Secretary, ICSSR as a Chair.** Hon'ble Deputy Chief Minister Shri Chowna Mein in his address said that there was an urgent need to focus on the welfare of the



labour class. The DCM urged the participants to deliberate on the various issues related to labour economics and come up with practical solutions that will benefit the labour class in India. Professor Kunal Sen in his valedictory address spoke on 'Informal Employment in the Global South' and highlighted that "Two billion of the world's employed population aged 15 and over work informally, representing 61.2 per cent of global employment. Excluding agriculture, the global level of informal employment falls to 50.5 per cent, but non-agricultural informal employment remains high in three regions (Africa, the Arab States, and Asia and the Pacific)". According to him, Informality was likely to persist in the developing world for some time to come and it was necessary to find ways to help workers in the bottom tier of the labour market, who are in dead end jobs (and where this may persist over generations). The organizing secretary of the conference informed the house that the honourable Vice chancellor of RGU Prof. Saket Kushwaha in this message had expressed his happiness at the successful completion of the conference and hoped that the deliberations would lead to concrete results in future. He thanked all the delegates for attending the conference held in RGU and wished them all the best. Among others, ISLE president Prof Deepak Nayyar, Indian Council of Social Science Chairperson Prof Dhananjay Singh, and United Nations University-WIDER Professor Kunal Sen, Prof. S.K. Nayak, and Prof. Alakh N. Sharma Director Institute for Human Development, New Delhi and Prof. Vandana Upadhyay also spoke on the occasion.

Three papers were awarded the best paper awards presented in the Conference by the Deputy Chief Minister during the Valedictory session.

The **Surjit Singh Fellowship award** was awarded to Paaritosh Nath, Assistant Professor Azim Premji University and Rahul Menon, Associate Professor O.P. Jindal Global University for their paper '*Understanding*

*Changes in Urban Indian Unemployment: An Examination of PLFS Data*. The **Ruddar Dutt Young Labour Economist award** was awarded to Arun Bairwa and Saakshi Jha, both Assistant Professors in Indian Institute of Management, Ranchi for their paper '*Employment Opportunities in Education Sector in India: An Analysis using PLFS Data*'. The **L.K. Deshpande Young Labour Economist award** was given to Sunita Arora, Assistant Professor Azim Premji University, India and Anshu Saluja, Independent Researcher for their paper '*Diversification of Rural Incomes: A village Study in Central India*'.

This Conference was attended by about 600 delegates from all-over India and abroad, including more than 20 international experts from abroad and ILO. The esteemed participants from the International Labour Organisation included **Mr. Satoshi Sasaki**, Director ILO, Country office India, **Sher Verick**, head employment strategies Unit from **ILO Geneva**, **Nicolas Maitre**, **Igor Alain Bosc Puch**, **Imraan Valodia**, **David Campbell Francis**, **Jens August Lerche**, **London School of Economics**, **Salim Raihan**, from **Bangladesh** **Gerald Bernard Rodgers**, **Janine Mireille Zeimert-Rodgers** from **Geneva**, **Barbara Harriss-White**, **University of Oxford**, **Martha Alter Chen**, **Harvard University**, **Prabha Kotiswaran**, **Harvard University**, **Edgard Rodriguez** from **Canada**. They comprised public personalities, economists, social scientists and field-practitioners interested in labour, development, employment, industrial relations, human resource development and related issues. All the Deans, HoDs, faculty members, research scholars and students from RGU also attended the three-day conference.

The next conference would be held in the Central University of Hyderabad, where the scholars would deliberate on the following themes:

- Platform Economy and Employment
- Employment and Growth for Sustainable Development
- Care Work and the Economy

### About Indian Society of Labour Economics

The Indian Society of Labour Economics, founded in 1958 by late Mr. V.V. Giri (the veteran trade unionist and former President of India) and some other well-known public personalities and academicians, is a leading professional body of economists, other social scientists and practitioners interested in labour, development, employment, industrial relations, human resource development and related issues.









**One Week National Workshop on  
'NSSO Data Handling and Research with Big Data Sets'  
Centre for Development Studies, Department of Economics  
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh  
8<sup>th</sup> to 12<sup>th</sup> May 2023**

**Organising Committees**

**Chief Patron**

**Prof. Saket Kushwaha**  
Vice-Chancellor  
Rajiv Gandhi University

**Patron**

Prof. S. K. Nayak  
Head, Department of  
Economics  
Rajiv Gandhi University

**Organizing Chairman**

Prof. Vandana Upadhyay  
Coordinators Center for  
Development Studies,  
Department of Economics

**Organizing Secretaries**

Dr. Prasenjit Bujar Baruah  
Assistant Professor

Dr. Dil Bahadur Gurung  
Assistant Professor

Research with big data set has assumed importance in view of its widespread use in different socio-economic analyses and policy formulations. National Sample Survey Organization (NSSO) conducts country-wide surveys from time to time on various socio-economic issues and publishes reports. Further, NSSO provides the Unit Level data which are very useful specifically in socio-economic research. However, researchers need specific expertise in the extraction and handling of such data. Hence, with an objective to give a preliminary understanding of NSSO data extraction and handling of large data sets, the Centre for Development Studies (CDS), Department of Economics, Rajiv Gandhi University is organizing a week-long national workshop on "NSSO Data Handling and Research with Big Data Sets" from 8<sup>th</sup> to 12<sup>th</sup> May 2023, for the research scholars and faculty members (who have not completed their Ph. D) in Economics. The workshop would cover NSSO data extraction as well as estimation of different econometric models with NSSO data.

**How to apply:**

Interested researcher scholars and faculty members (who have not completed their Ph. D) may apply on or before 2<sup>nd</sup> May 2023 via google link: <https://forms.gle/3n1j8aawKrjdUvHN8> .

**Notes:**

1. Both theoretical and practical classes will be arranged
2. Resource persons would be invited from different Universities/institutes of the country.
3. TA (AC 3 tier train fare by the shortest route) would be provided to the participants.
4. Free food and lodging would be provided to the participants.
5. A total of 25 participants would be selected from different parts of the country.
6. Outstation Participants will have to pay a registration fee of Rs.1000.
7. It is compulsory for the participants to bring their own laptop.
8. Applicants with only Economics background would be considered.

For further queries, interested candidates may email on: [prasenjit.baruah@rgu.ac.in](mailto:prasenjit.baruah@rgu.ac.in)





**National Workshop on  
NSSO Data  
Handling and  
Research with  
Big Data Set**



**8<sup>th</sup> to 12<sup>th</sup> May, 2023**

**Venue: Conference Hall, Department of Economics**



**Organised by**

**Centre for Development Studies**

**Department of Economics**

**Rajiv Gandhi University**

### Content

<b>Sl. No.</b>	<b>Topic</b>	<b>Page Number</b>
1.1	About Rajiv Gandhi University	3
1.2	About the Department of Economics	4
1.3	Centre for Development Studies (CDS)	4
2.0	Organising Committee	5
2.1	Details of the Resource Persons	6
2.2	Sponsoring Agency	6
2.3	Expenditure Incurred	6
3.0	Detail Programme	7
3.1	Inaugural Programme	7
3.2	Class Routine	8
3.3	Valedictory Programme	9
4.0	Outcome of the Program	10
6.0	Annexure	11
6.1	Brochure	11
6.2	List of Attendance	12
6.3	Photographs	14

## **1.1 About Rajiv Gandhi University**

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh. Ever since its inception, the university has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The university started functioning from 1st April, 1985. Since then Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a university with potential for excellence by a high level expert committee of University Grants Commission from among universities in India. The university was converted into a central university with effect from 9th April 2007 as per notification of Ministry of Human Resource Development, Government of India. The University is located a top Rono Hills on a picturesque tableland of 302 acres overlooking the river Dikrong. It is 25 km away from Itanagar, the State capital.

The teaching and research programmes of the University are designed with a view to play a positive role in the socio-economic and cultural development of the state. The university offers Certificate Courses, Diploma, Post Graduate Diploma, Under Graduate, Post-Graduate and Ph.D. programmes. The department of education also offers B.Ed. programme. There are 45 colleges affiliated to the university. The university has been extending educational facilities to the students from the neighboring states, particularly Assam. The strength of students in different departments of university and in affiliated colleges has been steadily increasing. The faculty members have been actively engaged in research activities with financial support from UGC and other funding agencies. Since its inception, a number of proposals on research projects have been sanctioned by various funding agencies to the university. The various departments regularly organize seminars, workshops and conferences. Many faculty members participated in national and international conferences and seminars held within the country and abroad. Eminent scholars and distinguished personalities have visited the university and delivered lectures on various disciplines. The academic year 2000-2001 was a year of consolidation for the university. The switch over from annual to semester system took off smoothly and the performance of the students registered a marked improvement. Various syllabi designed by Boards of Post-Graduate Studies (BPGS) have been implemented. In spite of infrastructural constraints, the university has been maintaining its academic excellence. The university has strictly adhered to the academic calendar, conducted the examinations and declared the results in time. The students from the university have found

placements not only in state and central government services, but also in various institutions, industries and organizations. Many students have come out successful in the National Eligibility Test (NET). Since its inception, the University has made significant progress in teaching, research, innovations in curriculum development and developing infrastructure.

## **1.2 About the Department of Economics**

The Department of Economics made its beginning in July 1991. The main objective of the Department has been to impart socially relevant education at the Post Graduate level by judicious mix of theory and empiricism. The course of study and research offering of the department has been designed to meet this objective. The Department of Economics has the distinction of acting as the nodal department for the preparation of the First Human Development Report (HDR) of Arunachal Pradesh. The department also has the distinction of preparing the First State Development Report of Arunachal Pradesh. The 7th, 17th and 22nd annual Conference of the North Eastern Economic Association Conference (NEEA) was organised by the Department in 2005, 2015 and 2022 respectively. Recognizing the contributions of the Department, the Ministry of Finance, Government of India in 2012 sanctioned grant-in-aid for establishing the Centre for Development Studies (CDS) attached to the department of Economics.

## **1.3 Centre for Development Studies (CDS)**

The Centre for Development Studies (CDS) was set up in 2013 as a research adjunct at the Department of Economics, Rajiv Gandhi University (RGU), Itanagar, with a generous grant from the Ministry of Finance (Department of Economic Affairs), Government of India. The objectives of the Centre include the creation of high-quality research infrastructure for students, researchers and faculty members, in addition to sponsoring and coordinating research on various developmental issues having policy implications both at the regional and national level. Sponsoring national and international scholars for delivering lectures and other academic engagements and organizing national and international seminars, workshops, symposiums at periodic intervals on relevant topics and publishing working/policy papers on the research outcome of the Centre, monographs and edited volumes are other key activities of the Centre. The Centre so far has **organised 10 workshops** on different subjects such as Time Series Econometrics, Research Methodology and statistical analysis, Statistical Analysis and SPSS, and NSSO Data Handling and Research with Big Data Set. Additionally, this center organised the 63<sup>rd</sup> Annual Conference of **Indian Society of Labour Economics (ISLE)** in March 2023.

As a part of its academic activities, the Centre for Development Studies has been organising special Lecture series from time to time with the objective to inform students and researchers regarding the recent development in economics and social science research. So far, the Centre has organised 9 such lectures.

#### 1.4 About the Present Workshop:

Research with big data set has assumed importance in view of its widespread use in different socio-economic analyses and policy formulations. National Sample Survey Organisation (NSSO) conducts country-wide surveys from time to time on various socio-economic issues and publishes reports. Further, NSSO provides the data sets to the researchers to conduct research on different topics. However, researchers need some specific expertise to in the extraction and handling of NSSO's unit level data set. Hence, with an objective to give a preliminary understanding of NSSO data extraction and handling of large data sets, the Centre for Development Studies (CDS), Department of Economics, Rajiv Gandhi University decided to organize a week long national workshop on “**NSSO Data Handling and Research with Big Data Sets**” from 8<sup>th</sup> to 12<sup>th</sup> May 2023, for the research scholars and faculty members in Economics. The workshop covered NSSO data extraction as well as estimation of different econometric models with NSSO data.

#### 2.0 Organising Committee

<p><b>Chief Patron</b>  <b>Prof. Saket Kushwaha</b>  Vice-Chancellor  Rajiv Gandhi University</p>
<p><b>Patron</b>  <b>Dr. N. T. Rikam</b>  Registrar, Rajiv Gandhi University  <b>Prof. S. K. Nayak</b>  Head, Department of Economics  Rajiv Gandhi University</p>
<p><b>Organizing Chairman</b>  <b>Prof. Vandana Upadhyay</b>  Coordinators Center for Development Studies,  Department of Economics</p>
<p>Organizing Secretaries  <b>Dr. Prasenjit Bujar Baruah</b>  Assistant Professor  Department of Economics, RGU</p>



&  
**Dr. Dil Bahadur Gurung**  
Assistant Professor  
Department of Economics, RGU

## 2.1 Details of the Resource Persons

	<p><b>Prof. M. P. Bezbaruah</b> Department of Economics Gauhati University Guwahati-781014 Email: bezbaruah.mp@gmail.com Phone: 98640-55485</p>
	<p><b>Prof Joydeep Baruah</b> Professor and Director Surya Kumar Bhuyan School of Social Sciences, Krishna Kanta Handique State Open University Khanapara, Guwahati- 781022 Email: joydeep.baruah@gmail.com Phone: 94351-15889</p>
	<p><b>Prof Rajarshi Majumder</b> Department of Economics University of Burdwan Golapbag Burdwan- 713104 Email: meriju@rediffmail.com; rmajumder@eco.buruniv. ac.in Phone: 94346-71565</p>
	<p><b>Smruti Ranjan Sahoo</b> Research Fellow Centre for Development Studies Thiruvananthapuram Email: smrutiranjancds@gmail.com Phone: 95674-58716</p>

2.2: **Sponsoring Agency:** Centre for Development Studies, Department of Economics, Rajiv Gandhi University

2.3: **Expenditure Incurred:** Rs.3,78,701/- (Rupees three lakh seventy-eight thousand seven hundred one only)

### 3.0 Detail Programme:

#### 3.1 Inaugural Programme:

One Week National Workshop on  
**NSSO Data Handling and Research with Big Data Sets**  
Centre for Development Studies, Department of Economics  
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh  
8<sup>th</sup> to 12<sup>th</sup> May 2023

***Invitation***  
Inaugural Programme

Chief Guest: **Prof. Saket Kushwaha**, Vice- Chancellor, Rajiv Gandhi University

Date: **08-05-2023**  
Time: **9.30 am to 10.30 am**  
Venue: **Conference Hall, Department of Economics**

**Programme**

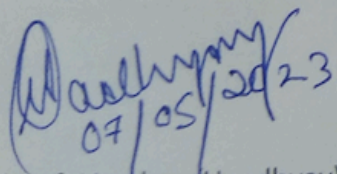
9.30 AM – 9.35 AM	Formation of Dais
9.35AM – 9.40 AM	Welcome Address by <b>Prof. Vandana Upadhyay</b> , Coordinator Centre for Development Studies
9.40 AM – 9.45 AM	Felicitation of the Guests
9.45 AM – 9.50 AM	A few words by <b>Prof. S. K. Nayak</b> , HOD, Department of Economics
9.50 AM – 10.00 AM	Introduction by the Participants
10.00AM – 10.05AM	Brief remarks from the resource person <b>Prof. Joydeep Baruah</b> , KKHSOU, Guwahati
10.05 AM –10.10AM	A few words by <b>Prof. Sarit Kumar Chaudhuri</b> , Dean, Faculty of Social Sciences, Rajiv Gandhi University
10.10AM – 10.15AM	Special remarks by <b>Dr. N. T. Rikam</b> , Registrar, Rajiv Gandhi University
10.15AM – 10.25AM	Address by <b>Prof. Saket Kushwaha</b> , Vice Chancellor, Rajiv Gandhi University
10.25AM - 10.30AM	Vote of Thanks by <b>Dr. D. B. Gurung</b> , Assistant Professor, Department of Economics
10.30 AM	Photo session and Refreshment

### 3.2 Class Routine

Class Routine of the National Workshop on NSSO Data Handling and Research with Big Data Sets

	9.00AM-10.30AM	10.30AM-10.40AM	10.40AM-12.10PM	12.10PM-12.40 PM	12.40PM-2.10M	2.10PM – 2.20 PM	2.20 PM – 3.50 PM	3.50PM-4.00PM	4.00PM- 5.30 PM
05-02-2019 Tuesday	Inauguration	Tea Break	SRS	Lunch Break	JB		JB	Tea Break	SRS
06-02-2019 Wednesday	SRS		SRS		JB	JB	SRS		
07-02-2019 Thursday	SRS		SRS		RM	RM	SRS		
08-02-2019 Friday	MPB		SRS		RM	SRS	SRS		
09-02-2019 Saturday	RM		SRS		SRS	SRS	Valedictory		

MPB: Prof M. P. Bezbaruah  
 JB: Prof Joydeep Baruah  
 RM: Prof Rajarshi Majumder  
 SRS: Dr. Smruti Ranjan Sahoo

  
 07/05/2023

(Prof. Vandana Upadhyay)  
 Coordinator  
 Center for Development Studies  
 Department of Economics

### 3.3: Valedictory Programme:

**One Week National Workshop on  
NSSO Data Handling and Research with Big Data Sets**  
Centre for Development Studies, Department of Economics  
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh  
8<sup>th</sup> to 12<sup>th</sup> May 2023

**Invitation**  
Valedictory Programme

Chief Guest: **Prof. Saket Kushwaha**, Vice- Chancellor, Rajiv Gandhi University

Date: 12-05-2023

Time: 4.00 PM

Venue: **Conference Hall, Department of Economics**

#### Programme

4.00 PM – 4.05 PM	Welcome Address <b>Dr. Prasenjit Bujar Baruah</b> , Assistant Professor, Department of Economics
4.05 PM – 4.10 PM	Felicitation of the Guests
4.10 PM – 4.20 PM	A few words from the participants
4.20 PM – 4.25 PM	Remarks by <b>Prof. S. K. Nayak</b> , Head, Department of Economics
4.25 PM – 4.30 PM	A few words by <b>Dr. Smruti Ranjan Sahoo</b> , Research Fellow, Centre for Development Studies, Thiruvananthapuram and Resource person of the Workshop
4.30 PM – 4.35 PM	A few words by <b>Prof. Rajarshi Majumder</b> , Professor, University of Burdwan and Resource person of the Workshop
4.35 PM – 4.40 PM	A few words by <b>Prof. Sarit Kumar Chaudhuri</b> , Dean, Faculty of Social Sciences, Rajiv Gandhi University
4.40 PM – 4.45 PM	Special remarks by <b>Dr. N. T. Rikam</b> , Registrar, Rajiv Gandhi University
4.45 PM – 4.55 PM	Address by <b>Prof. Saket Kushwaha</b> , Vice chancellor, Rajiv Gandhi University
4.55 PM – 5.05 PM	Distribution of participation certificates
5.05 PM – 5.10 PM	Vote of Thanks by <b>Prof. Vandana Upadhyay</b> , Coordinator, Centre for Development Studies
5.10 PM	National Anthem
5.15 PM	Lunch

#### 4.0. Outcome of the Program

The programme continued for five days. In the first classes different aspect of STATA was taught. Then in the next classes NSSO data extraction was taught. Prof. Joydeep Baruah taught the topics such as: understanding and working with NSSO unit level data, extracting NSSO unit level data, working with multipliers and generating estimates, and merging and combining data bases.

Mr. Smruti Ranjan Sahoo trained the participants in STATA in the initial classes. There after he trained them in extracting NSSO unit level data. He taught them NSSO data extracting with the data from NSS 67<sup>th</sup> and 73<sup>rd</sup> round surveys on Unincorporated Non-agricultural enterprises. First, he explained the terms and definitions used in the survey and then discussed the data extraction part. Mr. Sahoo also discussed how to estimate different variables from the data set.

Prof. Rajarshi Majumder taught NSSO data extraction with the data set on NSSO employment and unemployment surveys. He took classes on the topic NSSO data extraction and analysis, working with qualitative variables in NSSO surveys, and concepts and estimation of employment/ unemployment status in NSSO surveys.

Prof M. P. Bezbaruah took one session (online) on descriptive statistics. In that class Prof Bezbaruah covered different aspects of descriptive statistics and the appropriate use of such statistics.

Prof Saket Kushwaha, vice chancellor, Rajiv Gandhi University graced both the inaugural and valedictory sessions. In his speech, he explained about the importance of data analysis in research. He added how important it is to have correct research objectives and research questions. Dr. N. T. Rikam, Rajiv Gandhi University and Prof Sarit Kumar Choudhury, Dean, Faculty of Social Sciences, Rajiv Gandhi University also attended both inaugural and valedictory sessions. Prof. Choudhury stated that along with quantitative analysis qualitative analysis is also of importance.

Prof. S. K. Nayak, Head, Department of Economics and Prof. Vandana Upadhyay, Coordinator, Centre for Development Studies Department of Economics also addressed both the inaugural and valedictory sessions.

In the valedictory session, the participants from different parts of India also expressed their experience about the workshop. They said that they were highly benefitted from this workshop and mentioned that such workshops should be regularly conducted.



## 6.0 Annexure

### 6.1: Brochure:



**One Week National Workshop on**  
**‘NSSO Data Handling and Research with Big Data Sets’**  
**Centre for Development Studies, Department of Economics**  
**Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh**  
**8<sup>th</sup> to 12<sup>th</sup> May 2023**

**Organising Committees**

**Chief Patron**

**Prof. Saket Kushwaha**  
Vice-Chancellor  
Rajiv Gandhi University

**Patrons**

**Dr. N. T. Rikam**  
Registrar  
Rajiv Gandhi University

**Prof. S. K. Nayak**  
Head, Department of  
Economics  
Rajiv Gandhi University

**Organizing Chairman**

**Prof. Vandana Upadhyay**  
Coordinators Center for  
Development Studies,  
Department of Economics

**Organizing Secretaries**

**Dr. Prasenjit Bujar Baruah**  
Assistant Professor

**Dr. Dil Bahadur Gurung**  
Assistant Professor

Research with big data set has assumed importance in view of its widespread use in different socio-economic analyses and policy formulations. National Sample Survey Organization (NSSO) conducts country-wide surveys from time to time on various socio-economic issues and publishes reports. Further, NSSO provides the Unit Level data which are very useful specifically in socio-economic research. However, researchers need specific expertise in the extraction and handling of such data. Hence, with an objective to give a preliminary understanding of NSSO data extraction and handling of large data sets, the Centre for Development Studies (CDS), Department of Economics, Rajiv Gandhi University is organizing a week-long national workshop on “NSSO Data Handling and Research with Big Data Sets” from 8<sup>th</sup> to 12<sup>th</sup> May 2023, for the research scholars and faculty members (who have not completed their Ph. D) in Economics. The workshop would cover NSSO data extraction as well as estimation of different econometric models with NSSO data.

**How to apply:**  
Interested researcher scholars and faculty members (who have not completed their Ph. D) may apply on or before 2<sup>nd</sup> May 2023 via google link: <https://forms.gle/3n1f8aawKrijdUvHn8>.

**Notes:**

1. Both theoretical and practical classes will be arranged
2. Resource persons would be invited from different Universities/institutes of the country.
3. TA (AC 3 tier train fare by the shortest route) would be provided to the participants.
4. Free food and lodging would be provided to the participants.
5. A total of 25 participants would be selected from different parts of the country.
6. Outstation Participants will have to pay a registration fee of Rs.1000.
7. It is compulsory for the participants to bring their own laptop.
8. Applicants with only Economics background would be considered.

For further queries, interested candidates may email on: [prasenjit.baruah@rgu.ac.in](mailto:prasenjit.baruah@rgu.ac.in)

6.2 Attendance List:

**One Week National Workshop on  
NSSO Data Handling and Research with Big Data Sets**  
Centre for Development Studies, Department of Economics  
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh  
8<sup>th</sup> to 12<sup>th</sup> May 2023

**Registration**

Sl. No.	Name	Designation	Registration Fees	Signature
✓ 1	Khushbu Kumari	Research Scholar, Banaras Hindu University, Varanasi	Rs.1000/-	Khushbu
✓ 2	Deeksha Hazarika	Research Scholar, Dibrugarh University	Rs.1000/-	Deeksha Hazarika 08/05/23
✓ 3	PANCHI HALOI	Research Scholar, Assam University, Silchar	Rs.1000/-	Haloi 8/05/23
✓ 4	MASUMA AHMED	Research Scholar, Dimoria College, Khatra, Dibrugarh University	Rs.1000/-	M Ahmed
✓ 5	JITENDRA KUMAR PAL	Research Scholar, Punjabi university, Patiala	Rs.1000/-	Jitendra Pal
6	A SALAIJAYAMANI	Research Scholar, Sacred Heart College (Autonomous)	Rs.1000/-	A Salaijayamani
7	ISHIKA JAISWAL	Research Scholar, University of Lucknow	Rs.1000/-	Isika
8	BORNITA MONDAL	Research Scholar, Rabindra Bharati University	Rs.1000/-	Bornita Mondal
✓ 9	ANUKRITI NEGI	Research Scholar, Banaras Hindu University, Varanasi	Rs.1000/-	Anukriti
✓ 10	HARJINDER SINGH	Senior Research Fellow, Punjabi University, Patiala	Rs.1000/-	Harjinder Singh
✓ 11	GITANJALI GOSWAMI	Assistant Professor, Barbhag College	-Rs.1000/-	Gitanjali
✓ 12	KANCHAN DEVI	Research Scholar, Rajiv Gandhi University	--	Kanchan Devi
13	HUNDI PULU	Research Scholar, Rajiv Gandhi University	--	Hundi Pulu
14	PUJA KADU	Research Scholar, Rajiv Gandhi University	--	Puja Kadu
15	DAMBARU BHATTARAI	Research Scholar, Rajiv Gandhi University	--	Dambaru Bhattarai
16	<del>ARNOB PAUL</del>	<del>Research Scholar, Rajiv Gandhi University</del>	<del>--</del>	<del>Arnob Paul</del>
17	<del>RITUPORNA DUTTA</del>	<del>Research Scholar, Rajiv Gandhi University</del>	<del>--</del>	<del>Rituporna Dutta</del>
18	GEMIN LEGO	Research Scholar, Rajiv Gandhi University	--	Gemin Lego
19	KONLOM MOSSANG	Research Scholar, Rajiv Gandhi University	--	Konlom Mossang

20	SHILPI SHIKHA CHETIA	Research Scholar, Rajiv Gandhi University	--	Shilpi Shikha Chetia
✓ 21	KANCHAN KUMARI SHARMA	Research Scholar, Rajiv Gandhi University	--	KS
22	CHIRANJIB HAZARIKA	Research Scholar, Rajiv Gandhi University	--	Chiranjib
✓ 23	MS. SUPRITY SHYAM	Assistant professor, Rajiv Gandhi University Women's College, Tinsukia	--	Supriya
✓ 24	TASHI LAMU	Assistant Professor, Rajiv Gandhi University Government College, Bomdila	--	Tashi Lamu
✓ 25	GAYATRI GOGOI	Research Scholar, Rajiv Gandhi University	--	Gayatri
✓ 26	PABITRA BORAH	Research Scholar, Rajiv Gandhi University	--	Pabitra
✓ 27	GELING MODI	Research Scholar, Rajiv Gandhi University	--	Geling
28	LIMPI KALITA	Research Scholar, Rajiv Gandhi University	--	Limpi Kalita



6.3: Photographs:



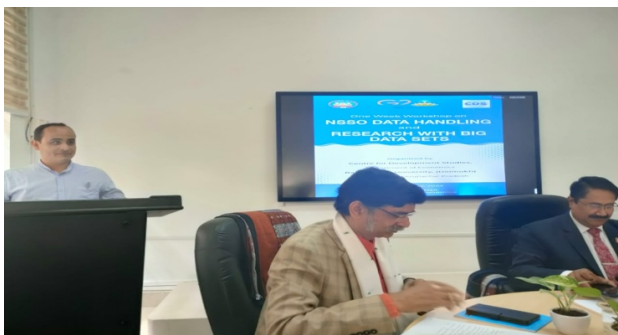














Coordinator, Centre for Development Studies  
Department of Economics  
Rajiv Gandhi University



DEPARTMENT OF SOCIOLOGY  
Rajiv Gandhi University  
Rono Hills, Doimukh 791112  
No. SOC/2022/1, 07/10/2022

CIRCULAR

**IEC Cum Panel Discussion on WORLD MENTAL HEALTH DAY 2022**

The Department of Sociology, RGU in collaboration with National Mental Health Program, Directorate of Health Services, Dept. of Health & Family Welfare, Govt. of Arunachal Pradesh, Naharlagun is organizing a IEC Cum Panel Discussion as a part of observing the WORLD MENTAL HEALTH DAY 2022 on Monday the 10<sup>th</sup> October, 2022 at RGU.

In this regard, it is informed that all the MA Sociology, 1<sup>st</sup> Semester and 3<sup>rd</sup> Semester students that their participation is must and Registration will start at 10.30 am on the day at the venue.

Further, the undersigned would like to cordially invite all the Faculty Members, Research Scholars and Staff members of Dept. of Sociology, Dept. of Psychology, Dept. of Social Work, RGU to come and join the program.

Venue: AITS Auditorium, RGU

Date: 10/10/2022

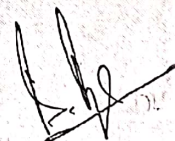
Time: 10.30 am onwards

**Enclsd: Letter/Program**

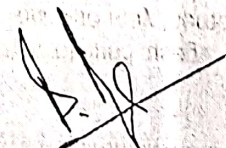
Memo No. SOC/2022/1, 07/10/2022

Copy to:

1. The Registrar, RGU for information.
2. The Director of Health Services, Naharlagun for information please.
3. The JD, CC, RGU with a request to publish in university website please.
4. Office copy.



(Dr. B. Bage)  
Head i/c  
Dept. of Sociology, RGU  
Rono Hills Doimukh



(Dr. B. Bage)  
Head i/c  
Dept. of Sociology, RGU  
Rono Hills Doimukh





One-Day Workshop on

# *Mental Health and Help Seeking Behaviour*

On 21st November 2022

*Jointly organised by*

Department of Anthropology, DNGC, Itanagar

*and*

Tribal Research Institute (TRI), Rajiv Gandhi University, Doimukh

*Supported by*

The Ministry of Tribal Affairs, GoI and SJETA, Govt. of ArP

Venue: Conference Hall, DNGC

Time: 10:30 am



## Programme

10:30 am - Welcome Address by **Dr. M Asghar**, Asst. Prof. Dept. of Anthro., RGU

10:40 am - Introducing the TRI by **Dr. Bikash Bage**, Nodal Officer, Tribal Research Institute

11:00 am - Special Lecture by **Dr. Dharmeshwari Lourembam**, Asst. Prof., Dept. of Psychology, RGU, on the topic '*Mental Health Awareness*'

11:30 am - Special Lecture by **Oyin Mibang**, Clinical Psychologist, NHM, Bakin Pertin General Hospital, on the topic '*Stress Management Techniques and Help Seeking*'

12:00 noon - Few words from Chief Guest, **Sh. Yumlam Kaha**, Director, SJETA, GoAP

12:30 pm - Few words from the Chairman, **Dr. M.Q. Khan**, Principal, DNGC

1:00 pm - Interaction session with **Koj Rinyo**, representatives of AAPPA

1:30 pm - Vote of Thanks by **Dr. Ratna Tayeng**, HoD, Dept. of Anthro., DNGC

## **REPORT ON ONE DAY LEGAL AWARENESS WORKSHOP ON THE THEME "CELEBRATING CREATIVITY AND INNOVATION" ON THE OCCASION OF WORLD IP DAY 2023**



**Organized by PIC, A.P. State for Science and Technology in collaboration  
with Dept. of Law, RGU, A.P**

**Venue: Smart Theater, Dept. of Computer Science and Engineering, Rajiv  
Gandhi University, A.P.**

**Date: 26/04/23**

On 26<sup>th</sup> April, a legal awareness workshop on the theme “Celebrating Creativity and Innovation” was conducted by Arunachal Pradesh State Council for Science and Technology, Itanagar in collaboration with Dept. of Law, RGU, A.P. here in the Dept. of Computer Science and Engineering, RGU, A.P, to commemorate World IP day 2023.

The esteemed guests for the programme were as follows:

1. Er. Bamang Apo- Joint Director, Arunachal Pradesh State Council for Science and Technology (Dept. of Science and Technology) Govt. of A.P.
2. Dr Abba Pulu- Assistant Professor, Indira Gandhi Government College, Tezu, A.P.

3. Mr Siddhartha Devnath- IP Professional and Expert Patent Design Trademark and Copyright Services, Guwahati, Assam.
4. Professor Saket Kushwaha, Honorable Vice Chancellor, RGU, A.P.
5. Professor R.C.Paridha- Dean Faculty of Law, RGU, A.P.
6. Professor S.K.Nayak, RGU, A.P.

At 10:00 am, the programme began with the felicitation of all the invited guests and resource persons. This was followed by an online speech given by Professor Saket Kushwaha who was not present at the programme in person.

At 10:27 am, Er. Bamang Apo delivered his welcome speech highlighting the main objectives of the workshop. After that, Prof. R.C.Paridha and S.K. Nayak delivered their speeches regarding the significance of the awareness workshop concerning Geographical Indication.

At 11:26 am, the first technical session began with the PPT Presentation by Dr Topi Basar on the basic concepts and importance of Geographical Indication. She mentioned some important names of items that got GI Registration such as Idu Mishmi textile of Mishmis from Arunachal Pradesh; Banglar Rosogulla of Bengal; Rasagulla of Odisha etc. Besides this, she also spoke about how CBOs can play a vital role in getting a GI registration for the local items of A.P.

At 12:30 pm, there was a second technical session presented by Dr Appa Pulu on GI Registration of Idu Mishmi Textiles. While talking about how he successfully got a GI Registration for the Idu Mishmi Textiles, Dr Pulu also shared his arduous experience and problems in getting the GI Registration for the Idu Mishmi Textiles. This was followed by a third technical session presented by Mr Siddhartha Devnath, who mainly talked about the practical aspects of GI Registration. In addition, he also made all the participants of the workshop aware of how to check and differentiate between real GI goods and fake, counterfeiting goods through a demonstration.



Finally, the programme was concluded with a vote of thanks by Terpo Rony, Scientist-c, PIC, APSCS&T.





**A Report**  
**on**  
**Three-Day Workshop on Research and Publication Ethics**



9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> November, 2022

*Organized by*

Department of Social Work and Department of Psychology,  
Rajiv Gandhi University

*in active collaboration with*

Department of Computer Science & Engineering, Electronics &  
Communication, English and National Security Studies,  
Rajiv Gandhi University

## About the University

Rajiv Gandhi University (formerly Arunachal University) is the premier institution for higher education in Arunachal Pradesh, located at the picturesque tabloid of Rono Hills, approximately 25 km from the state capital Itanagar. Late Smt. Indira Gandhi, the then Prime Minister of India, laid the foundation stone of the University on 4February 1984 at Rono Hills. Since its inception, the University has been trying to achieve excellence and fulfill the objectives as envisaged in the University Act. The University was recognized as a Central University in 2007, established under the Act of Parliament. Being the only Central University of the State and has continuously maintained its premier status among educational institutions across India.

## Background

Research plays an essential role in the enhancement and advancement of society by developing scientific theories, concepts, and ideas. With the growing research, to ensure the quality, morality, and authenticity of the research work, it becomes essential for researchers to be aware of not only the research and publication ethics but also publication misconduct.

In the field of research, there are several reasons why it is essential to adhere to ethical norms. These ethical norms promote the aims of the research, such as knowledge, truth, and avoidance of error. For example, the prohibition against fabrication, falsifying, or misinterpreting research data, promotes the truth and minimizes error. Research often involves a great deal of cooperation and coordination among many different people in different disciplines and institutions. Ethical standards promote the values essential to collaborative work, such as trust, accountability, mutual respect, and fairness. Ethical norms help ensure that researchers can be held accountable to the public and build public support for research and promote various other important moral and social values and responsibilities. Ethical lapses in research can significantly harm human and animal subjects, students, and the public.

Against this backdrop, the workshop has been proposed to enlighten the students, especially the social sciences researchers, about the basic ethical codes of conduct while conducting research and publication ethics.

## Objectives

- To create awareness among the scholars regarding the basic ethical conducts to be maintained during research.
- To educate the scholars about intellectual honesty and research integrity.
- To create awareness among scholars about research misconducts like redundant publications, misinterpretation of data, falsification, fabrication, and plagiarism.
- To orient the scholars towards quality research.
- Educate the scholars about publication ethics and make them aware of predatory journals.

### **Expected Programme Outcomes**

The expected outcomes of the current workshop are specified below:

- The scholars will become aware of the fundamental ethical conduct maintained during research.
- The scholars will have a sound understanding of intellectual honesty and research integrity.
- The scholars will become aware of research misconduct which will help them to align themselves to better, novel, and quality research.
- Knowing the right steps to identify predatory journals will help scholars from falling prey to such publication houses. Above that, the students will follow the proper publication ethics in their work.

### **Target Group**

This programme was open to all the students, research scholars, and young faculties of Rajiv Gandhi University, Arunachal Pradesh.

### **Estimated Budget**

This workshop was funded by Rajiv Gandhi University with a budget of **Rs. 28,510/- ( Twenty eight thousand five hundred and ten only).**

## Programme Schedule



राजीव गाँधी विश्वविद्यालय (केन्द्रीय विश्वविद्यालय)

Rajiv Gandhi University (A Central University)

रोनो हिल्स, दोईमुख – ७९१११२, अरुणाचल प्रदेश, भारत

Rono Hills, Doimukh – 791112, Arunachal Pradesh

### PROGRAMSCHEDULE

**Three-Day National Workshop on Research and Publication Ethics**

(9th, 10th & 11th November, 2022)

**Organizing Departments:**

Social Work, Psychology, Electronics & Communication Engineering,  
Computer Science &  
Engineering, English and National Security Studies, Rajiv Gandhi University, Arunachal Pradesh, India

### INAUGURAL PROGRAMME

From	To	Program	Resource Person
12:30pm	1:00pm	Registration	
1:00pm	1:05pm	University Song	
1:05pm	1:15pm	Welcome Address & Briefing of the Programme	<b>Dr. Ravi Ranjan Kumar</b> Head/c, Department of Social Work, RGU
1:15pm	1:20pm	Speech	<b>Prof. Otem Padung</b> Finance Officer, RGU
1:20pm	1:25pm	Speech	<b>Dr. N.T. Rikam</b> Registrar, RGU
1:25pm	1:30pm	Remark	<b>Prof. Sarit Kumar Chaudhuri</b> Dean, Faculty of Social Sciences, RGU
1:30pm	1:40pm	Speech by Keynote Speaker	<b>Prof. H.S. Yadav</b> Director, NERIST
1:40pm	1:50pm	Presidential Remarks	<b>Prof. Saket Kushwaha</b> Hon'ble Vice Chancellor, RGU
1:50pm	1:53pm	Vote of Thanks	<b>Dr. Dharmeshwari Lourembam</b> Head/c, Department of Psychology, RGU

1:53pm	1:55pm	National Anthem and Departure of Guests
1:53pm	1:55pm	Light refreshment

Technical Program: Day 1 (9 <sup>th</sup> November 2022)			
2:00pm	3:30pm	Publication Ethics	Prof. Braj Bhushan Department of Humanities and Social Sciences IIT Kanpur
3:30pm	4:30pm	Intellectual Honesty and Research Integrity	Prof. Bhagabat Nayak Head, Department of English, RGU
Technical Program: Day 2 (10 <sup>th</sup> November 2022)			
1:00pm	2:00pm	Introduction to Methodology in Academic Research	Prof. Sanjeeb Kumar Jena Head, Department of Commerce, RGU
2:00pm	3:30pm	Epistemological Position and Research Methods	Prof. Dhananjay Kumar Department of Psychology Deen Dayal Upadhyay Gorakhpur University
3:30pm	5:00pm	Application of Software for Data Analysis in Academic Research	Prof. Rakesh Pandey, Department of Psychology, BHU

Technical Program: Day 3 (11 <sup>th</sup> November 2022)			
1:00pm	1:40pm	Philosophy and Ethics of Research	Prof. Kesang Degi Department of Education, RGU
1:40pm	2:20pm	Ethics in Publication	Prof. P.K. Panigrahi Department of Political Science & HoD, National Security Studies, RGU
2:20pm	3:00pm	Database and Research Metrics	Prof. Utpal Bhattacharjee, Department of Computer Science, RGU
3:00pm	4:00pm	Scientific Misconduct: Falsification, Fabrication, and Plagiarism	Prof. Manabendra Mandal Department of Molecular Biology and Biotechnology, Tezpur University





राजीव गांधी विश्वविद्यालय (केंद्रीय विश्वविद्यालय)  
**RAJIV GANDHI UNIVERSITY (A Central University)**

रोनी हिल्स, दोइमख, ७९१११२, अरुणाचल प्रदेश  
Roni Hills, Doimukh-791112, Arunachal Pradesh

**Valedictory Programme Schedule**  
**Three-Day National Workshop on Research and Publication Ethics**

**11 November 2022**

**Smart Theatre, Department of CSE, RGU**

From	To	Programme	Resource Person
4.00 pm	4.05	Welcome Address :	Prof Bhagabat Nayak, HoD, English
4.05 pm	4.10	Brief Programme: Report- Dr. Arvind Kumar Kushwaha, Department. of National Security Studies	
4.10 pm	4.15 pm	Experience Sharing Participants	
4.15 pm	4.35 pm	Key Note Address - Prof. Tana Showren, Department of History & Former Dean, Faculty of Social Sciences	
4.35 pm	4.45 pm:	Distribution of Certificates Participants	
4.45 pm	4.50 pm:	Vote of Thanks	Dr. Maibam Sanju Meetei, HoD i/c, ECE
4.50 pm	4.55 pm:	National Anthem and Departure of Guests	
[Host: Dr. Shashank Yadav, HoD i/c, Sociology]			



**Venue: Smart Theatre, Department of Computer Science and Engineering, RGU**

**Google Meet link: <https://meet.google.com/zsr-oqdg-wbt>**

## **Session-wise Deliberations**

### **Inaugural programme**

The three day National workshop on Research and Publication Ethics was inaugurated on 9th November, 2022 at CSE Smart theatre, Rajiv Gandhi University. The program was chaired by Hon'ble Vice Chancellor, RGU, Prof. Saket Kushwaha and the keynotespeaker of the event was Prof. H.S. Yadav, Director, NERIST. The inaugural function was also graced by Registrar of Rajiv Gandhi University, Dr. Nabam T. Rikam, Finance Officer, Prof. OtemPadung and various resource persons across the country.

The keynote speaker H.S. Yadav gave a detailed deliberation on the importance of ethics in research. Prof. Saket Kushwaha, Hon'ble Vice Chancellor, RGU also motivated the students to take the best out of the workshop, as research and publication is the essence of a true academician. He further elaborated on the zeal of doing an honest work and how true research will contribute for the society. The esteemed faculties of all the organizing departments and a large number of research scholars and students were also present.

### **Technical sessions of Day 1 (9<sup>th</sup> November, 2022)**

The 1<sup>st</sup> technical session led by Prof. BrajBhusan, Department of Humanities and Social Science, IIT Kanpur, was on the topic 'Publication Ethics'. He discussed on the point of orienting the research scholars regarding the predatory journals, fabrication, manipulation and plagiarism. Important concepts like Author's Identity, guidelines for paper publication, and search engines were shown with examples. He enlightened the research scholars of various repositories of research and how frequently research papers have been retracted because of unethical practices rendered by the authors. He noted many ethical guidelines of publication for different stakeholders such as author, co-author, publisher, editor, reviewer, and so on.

In the second technical session led by Prof. BhagatNayak, HoD of English, Rajiv Gandhi University, further discussed on the honesty and integrity while doing a research. He noted that research integrity includes the use of honest as well as verifiable methods in all the stages of research such as while proposing, performing, evaluating, etc. It is very important to adhere to the rules, regulations and professional codes. He gave real life examples from his field of study which is literature and discussed how professionalism must be maintained in conducting and specially reporting a research.

### **Technical sessions of Day 2 (10<sup>th</sup> November, 2022)**

The third technical session was on 'Introduction to Methodology in Academic Research' by Prof. Sanjeeb Kumar Jena, Head, Department of Commerce, RGU who explained the basic steps of choosing right research methods for a particular research. He talked in length on the importance of a proficient research problem and how to formulate right research question with clear examples. He explained various research methods and noted no design is superior to the

other. It is choosing the right design for the type of research question which will determine the quality of a research.

The fourth technical session was on 'Epistemological Position and Research Methods' by Prof. Dhananjay Kumar, Department of Psychology, DeenDayalUpadhyay Gorakhpur University. He highlighted different paradigms of research: Positivism, Social constructivism, Empiricism, Interpretivism, Deductive approach etc. The differences in the perspective to explore a new phenomenon in these different approaches were discussed. How a researcher acquires knowledge immensely differs with the paradigm he/she follows and gave examples to make the audience understand the epistemology of research.

The fifth technical session was on 'Application of Software for Data Analysis in Academic Research' by Prof. Rakesh Pandey, Department of Psychology, Banaras Hindu University. He showed softwares for qualitative as well as quantitative data and further noted that many researchers used the pirated version of software which overstep the ethical code. Many softwares which are available for free like PSPP, SOFA, PAST, Blue Sky, Jamovi, JASP 2021, to name a few were discussed and demonstrated to the participants.

### **Technical sessions of Day 3 (11<sup>th</sup> November, 2022)**

The sixth session was on 'Philosophy and Ethics of Research' by Prof. Kesang Degi, Department of Education, RGU in which she deliberated on the philosophy of moral values and how it guided an individual towards doing the right thing. She highlighted the importance of moral values in our day to day life and if we are a person guided by abiding ethical values, definitely as a researcher the right conduct will also be reflected on it. She showed the statistics of number of predatory journal, retracted articles, and consequences for unethical conduct through various news reports and records by eminent commissions like UGC.

This was followed by the seventh technical session on 'Ethics in Publication' by Prof. P.K. Panigrahi, Department of Political Science & HoD, National Security Studies, RGU. He specifically noted the process of publishing research articles and it what points researchers may commit mistake knowingly as well as unknowingly. He made the audience aware of various methods adopted by good journals to find out any misconduct by the authors. Many real examples were quoted to make it clear that the process of publication and owning authorship for a research should be transparent for overall growth of the society.

The next technical session was on 'Database and Research Metrics' by Prof. Utpal Bhattacharjee, Department of Computer Science, RGU who enlightened the participants of numerous database and repositories. He also talked in length about various aspects of research metrics like how impact factor of a journal is calculated. He also explained the h-index of a researcher and why such calculations reflect the quality of the journal or the researcher.

The last technical session was on ‘Scientific Misconduct: Falsification, Fabrication, and Plagiarism’ by Prof. Manabendra Mandal, Department of Molecular Biology and Biotechnology, Tezpur University, who delivered his lecture through online mode. The lecture focuses on misconducts committed by researchers across disciplines. He deliberated on how data have been fabricated and manipulated to have multiple publications from a single data set. He also noted on the area of ‘acceptable manipulation’ which comes under ethical code. He also talked on various software and platforms through which plagiarism can be checked and why it is important in the field of research.

### Valedictory programme

The valedictory programme of the National Workshop ended with a valedictory function in which the valedictory speaker, Prof. Tana Showren, Department of History, RGU discussed that scientific temperament must be instilled by the researchers to move ahead and make a mark. He congratulated the organizing team for bringing together experienced academicians of various fields whose deliberations would have benefitted by as many as 300 participants online as well as offline across the length and breadth of the country. The valedictory programme was chaired by Prof. Bagabat Nayak, HOD, Department of English, RGU. Certificates were given out to the online participants and the programme was concluded with a Vote of thanks from Dr. Maibam Sanju Meetei.

### List of Online Participants

Sl.No.	Name	Gender	Designation	Department	WhatsApp Number	Communication Address
1	Dr. Ravi Ranjan Kumar	Male	Assistant Professor	Social Work	8210929285	Department of Social Work, RGU
2	Shriprakash Pal	Male	Ph.D	Mass Communication	8933911283	Dept. of Mass Communication, RGU
3	ARVIND	Male	Research Scholar	Mass communication	8010603232	360, Vasant Enclave Delhi
4	Dr Asad Imran	Male	Assistant Professor	Urdu	9906223668	Village Chajjla Tehsil Mankote District Poonch UT of J&K
5	Sonia Nepam	Female	Research Scholar	Mass Communication	8974473306	Uripok Haobam Dewan Leikai, Imphal West District Manipur. Pin 795001
7	Mr. Mohd Alyas	Male	Director of physical education	Higher education	7006189143	Govt Degree College Mendhar
	Zeet Nawaz Thouba	Male	Student	Mass Communication Department	7005072054	c/o Dr. Sunil Kojiam, Department of Mass Communication, Rajiv Gandhi University, Doimukh, Arunachal Pradesh
	Shabnam Shahin	Female	PhD scholar	Mass communication	8638742060	Department of Mass Communication, RGU
	Yogesh Kumar Jangid	Male	Research Scholar	Gandhi & Peace Studies	8290987019	Near by Post office, Jharli Sikar Rajasthan
	Dr. Chetan Bhatt	Male	Assistant Professor	School of Journalism & Liberal Arts	9528753733	Ujjwal Vihar, Near Gayatri Mandir, Badowala, Dehradun 248007 {Uttarakhand}
	Sumit Joshi	Male	---	School of	8449943776	Sumit Joshi s/o Mr. Sanjay Joshi,

				Journalism and Liberal Arts		Hanuman GariKoshi Road, Ramnagar, District: Nainital Pin 244715
	MayankUniyal	Male	Research scholar	Yoga	7417023990	Basant Niwas, Near PNB BazaronKaBagh, Srinagar Garhwal Uttarakhand
	Ashok Kumar Yadav	Male	Research Scholar	Anthropology	9452562983	Raman hostel, room no. 19, Dr. HarisinghGour University Sagar Madhya
	BhanwarLalSencha	Male	Research scholar	Department of Journalism & Mass Communication	9530095125	DJMC BHU VARANASI
	Kavya Pal	Female	Research Scholar	Anthropology	7525843434	Department of Anthropology,DrHarisinghGour University, Sagar, M.P
	ABHISHEK KUMAR	Male	Student	Education	8271974771	Department of education, University of Delhi
	Monika Sharma	Female	Research Scholar	Department of Education	8415894853	C/O HoD, Department of Education, Rajiv Gandhi University
	Dr. Anupama Kumari	Female	Assistant Professor	Journalism and Mass Communication	8888209383	Guru GhasidasVishwavidyalay, Bilaspur
	KM. ANKITA PATEL	Female	Research Scholar	Migration and Daispora Studies	9528199402	Mgahvsavitribaiphulemahilachatravash room no. 97
	Dr.AkashRanjan	Male	Assistant Professor	Education	9801473515	Department of Education, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh, Pin-791112
	Dr .Rajeshwarkumar	Male	Assistant professor	Hindi	9868498145	Department of Hindi,L.s college, Muzaffarpur, Bihar.
	Yuvraj Prakash Bari	Male	Founder	Admin	9156238119	Jalgaon 425001
	Dr. Kavita Yadav	Female	Assistant professor	Hindi	7398071121	Village Pipra, Post-Sahjanwa, Gorakhpur 273209
	ASHVINI KRUSHNARAO RAUT	Female	PhD Research Scholar	Gandhi and Peace Studies	9960990109	Room No 96 Savitri Bai Phule Girls Hostel, Gandhi Hill, Mahatma Gandhi Antarrashtriya Hindi Vishwvidyalaya Wardha Maharashtra 442001
	ROHITASH KUMAR	Male	Research Scholar	Department of Media Studies	9784006528	VPO NeemeraTehKhandela District Sikar Rajasthan India 332722
	AMIT KUMAR CHAUBEY	Male	SCHOLAR	HINDI SAHITYA VIBHAG	6263808894	CSM hostel room no 5 mgahv, wardha Maharashtra 442001
	Amit Kumar Singh	Male	PhD Research Scholar	Politics & International Relations	9415272328	Room No 3 Research Scholar Hostel CUJ CTI Road Brambe Ranchi Jharkhand 835205
	SURJALEKHA BRAHMA	Female	PhD	Hindi	7576942436	Dept of Hindi Sikkim University Kazi road Gangtok
	DIGANTA BORAH	Male	Assistant Professor	Hindi	8473813639	JDSG College, Bokakhat, Assam - 785612
	Dr. Brijesh Yadav	Male	Guest Faculty	Psychology	9511615523	Village Jahin, Post Office Jhotna, Ghazipur UP 275203
	AMIT KUMAR PASWAN	Male	Researcher Scholar	Hindi	7004178432	Kaupa, Sakla Bazar, Karakat, Rohtas, Bihar-802205
	Shivamkumar	Male	Phd	Hindi	8005461079	Gangtoksikkim
	Toko Jiri	Female	Research Scholar	Social Work	8974955088	Department of Social Work, RGU
	Yuma Narah	Female	Guest Assistant Professor	Psychology	8837321508	Dept. Of Psychology, RGU



	CeemonaTaku	Female	Research Scholar	Social Work	8729969919	Department of Social Work, Rajiv Gandhi University, Doimukh, Arunachal Pradesh
	Deepu Krishnan	Male	Phd Scholar	Management	8731087049	Dept. of management, RGU, Ronohills, Doimukh
	Dr. Eshkumar	Male	Research scholar	Sociology	9179863273	Villsurgi, distrajnandgaon, chhattisgarh
	Rohit Kumar Maurya	Male	4 year	Psychology	7408977775	Department of psychology Rajiv Gandhi Central University
	PRANJIT DOLEY	Male	PhD Scholar	Mass Communication	9101661785	Dept of Mass Communication
	Dr.Dheerendrakumarsrivastav	Male	Assistant professor	Hindi	8707502283	Government kamalanagar collage, chawngte, mizoram
	Nending Muni	Female	Scholar	Zoology	9005034670	Department of Zoology, RGU
	LokpaTamang	Male	PhD scholar	Political science	8131010855	Department of political science, Rajiv Gandhi University Itanagar
	NendingKoka	Female	PhD	Commerce	8794997078	Lekhi village, Naharlagun
	HageOpi	Female	Research scholar	Political Science	8413926959	C/O Hageopi, political science department, Rajiv Gandhi University, Rono hills, Doimukh. P. O/Ps - Doimukh, pin- 791112
	Amit Kumar Mishra	Male	Student	Hindi	7001047414	Kalabaridebidanga auto stand champasriSiliguri
	UMESH SHARMA	Male	Research Scholar	Mass Communication (Prayagraj Regional Centre)	9231883212	311/1A, Prince Anwar Shah Road, Kolkata - 700095.
	Hetameto	Male	PhD scholar	Physical Education	7005214364	Rajiv Gandhi University
	TaniITabang	Male	Ph.D scholar	Geography	7640988237	Dept. Of Geography RGU
	Shashank Mishra	Male	Research Scholar	Psychology	9953584941	B sector doimukhkachrigali, near SDO office Arunachal Pradesh..
	Aser Yao	Female	Students	History	7640988271	Dept.of History
	Tajepali	Male	Ph.D scholars	Geography	8258823816	upper tayingtarang village rgu
	RANJIT MAHATO	Male	Research Scholar	Geography	8876271826	C/O- Head, Department of Geography, Rajiv Gandhi University
	ponungNonang	Female	research scholar	department of psychology	7086789191	rajivgandhi university, rono hills, department of psychology. doimukh.
	Ashok Kumar Maurya	Male	Phd student	Social exclusion	9004324303	C/O Devendra Vats Hous no -66, BudhVihar, Delhi-110067
	TajbinaYasin	Female	Research Scholar	Psychology	9365221515	Dept. of Psychology, Rajiv Gandhi University, Doimukh
	SUMAN BHUJEL	Female	Research scholar	Geography	7578955815	Naharlagun D sector
	Mrs. TashiLamu	Female	Assistant Professor	Economics	9402052959	O/o. Principal ,Government College Bomdila, west kameng district
	REKHA DEVI	Female	ASSISTANT PROFESSOR	DEPARTMENT OF ECONOMICS	7206327189	GOVT. COLLEGE FOR GIRLS, BAWAL , REWARI
	DR. SANGE GOMBU	Male	Assistant Professor	Commerce	9402842619	Department of Commerce, Government College Bomdila, West Kameng District Arunachal Pradesh 790001
	Nabam Yami	Female	Research Scholar	Psychology	8787620545	VivekVihar, Itanagar
	PradyutDey	Male	Ph.d Scholar	Geography	8414097213	C/O HOD, Dept. of Geography, Rajiv Gandhi University
	HibuNassing	Female	Research Scholar	Political science	7085689374	Department of Political science, Rgu
	JonyaKamsi	Male	Student	National	7642020553	C/O HOD, Deptt.of NSS

				security studies		
	Jimailuyun	Female	PH.D scholar	Commerce	8415912624	Nirjulinerist
	Millopubyang	Female	Research scholar	Political science	6909296681	Department of political science rgu
	vimal	Female	Assistant professor	Department of Defense and Strategic Studies	9996848427	Department of National Security Studies, RGU
	Rahul Harchand	Male	Armed Forces	Army	7838438560	137D, Hajjpir Path, Mhow
	Sangita Borah	Female	Research scholar	Education	9954151453	Bihpuria, Ward no 2 , P.O- Bihpuria, P.S.- Bihpuria,Dist- Lakhimpur,Pin-784161 (Assam), Ph No-9101734527
	Nikita	Female	Scholar	Commerce	9671670700	Online
	Migekambu	Male	PhD scholar	Political science	8731833412	RGU campus.
	RehfiMele	Female	PhD student in the Department of Sociology.	Sociology	9383103349	C/O Padi Hana, Department of sociology, Rajiv Gandhi University, Rono Hills, Doimukh.
	EvieKoyu	Female	Research Scholar	Department of Management	7002052321	Rajiv Gandhi University, Doimukh, Papum Pare, Arunachal Pradesh
	LigangAniya	Female	Ph. D scholar	Geography	9436435780	Department of Geography, Rajiv Gandhi University
	PumungNgemu	Male	Research Scholar	Geography	9366210734	C/O HOD Dept. of Geography R.G.U Rono hills Doimukh A.P.
	YONTAN	Male	PhD research scholar	Geography	7640931775	Tissa Halls of Residence, RGU. Room no.-94
	NanggomGammi	Male	Phd scholar	Mathematics	9862638245	Doimukh, Tissa hostel
	JomyirBagra	Female	Phd research scholar	Psychology	8413996561	Rajiv Gandhi University
	ABHISHEK KUMAR	Male	Litrature	Hindi	9451701802	BHU varanasi
	tarhjulie	Female	PhD scholar	Geography	8413992845	Geography department of RGU
	RashmitaGoswami	Female	PhD scholar	Department of Geography	6002587489	Department of Geography, Rajiv Gandhi University
	HabungKapa	Male	Research Scholar	Law	8787480549	B-Sector, Itanagar
	Kanchan Devi	Female	Rajiv Gandhi University	Economics	9101448030	Department of Economics, Rajiv Gandhi University
	Rekha Devi	Female	Assistant professor	Economics	7206327189	Govt. Girls college Bawal, Rewari
	KONLOM MOSSANG	Male	PhD Scholar	ECONOMICS	7005984366	Rajiv Gandhi University
	Pabitra Borah	Male	PhD Scholar	Economics	6002058980	Dept. of economics, RGU
	Hage Lily	Female	Research Scholar	English	9774896824	Rajiv Gandhi University
	DAMBARU BHATTARAI	Male	Research Scholar	Economics	9954977390	Department of Economics, Rajiv Gandhi University
	Akumtiba	Male	M.Tech I sem	Electronics and Communications Engineering	8787869946	Tirap Halls of residence, Rajiv Gandhi University, Doimukh, Papum pare, Arunachal Pradesh
	NainaLahon	Female	Research Scholar	Sociology	8486554888	Rajiv Gandhi University, Rono Hills, Itanagar
	Pratibha Bhaskar	Female	Research scholar	Department of Geography	9461010223	C-1/51, Chitrakoot colony, near global heart hospital, Vaishali Nagar, Jaipur (Rajasthan)-302021
	Manvati Nigam	Female	Writer	HINDI	8360026358	49/2 preetnagar, ladowali road, jalandhar, punjab
	TiluLinggi	Male	Scholar	CILS	8798643553	Itanagar
	Dr. Bharat Kumar Allam	Male	Assistant Professor	Department of Chemistry	7569458639	Department of Chemistry, Rajiv Gandhi University, Arunachal Pradesh.
	Jimmy sonam	Male	PhD scholar	Anthropology	8794492297	Dept. Of Anthropology, RGU
	SONU PRASAD YADAV	Male	Asst.	Hindi	9679896480	MIG-B-76, HOUSING COLONY,

			Professor			DHANBAD, 826001, JHARKHAND
Anand Gupta	Male	Research scholar	Anthropology	+44 7407020936		Guwahati
Shabnam Shahin	Female	PhD scholar	Mass communication	8638742060		Department of Mass Communication, RGU.
LandiOnyaalisha	Female	PhD scholar	Mass communication	8787780624		Naharlagun , elnathan villa
GANDHI JOMOH	Male	Research Scholar	Physical Education	8794704580		RGU
SamiranKalita	Male	Research Scholar,	Department of Education, RGU	9101554017		Department of Education, RGU
Abu Kipa	Male	Student	Zoology	7005467593		C/O Department of Zoology, RGU.
Bhaskargogoi	Male	Students	Zoology	6003213580		Dhemaji (Bharalichuk) , Assampin-787057
SpandanSaikia	Male	Scholar	Chemistry	8486593717		P.o + vill - Pubtharia, nagaon, assam
Priyanka Ranjan	Female	Research scholar	Mass communication	9315767168		Mass communication department, Rajiv Gandhi University Arunachal Pradesh
EloMikhu	Female	Student	Education	8257967187		Bagetinali
Palash J C	Prefer no to say	Guest	Zoology	9365477543		gohpur, 784172, biswanath
Priya Badu	Female	Scholar	Mass Communication	8732017375		Nk residence, Rajiv Gandhi University, Doimukh
Tapi Chama	Male	Research Scholar	Social Work	8601480151		Dept of Social Work, Rajiv Gandhi University, Arunachal Pradesh
KojRinyo	Female	Research Scholar	Psychology	8257830855		Doimukh
KabitaTamuli	Female	Student of M.Sc 3rd semester	Zoology	9957957882		Rajiv Gandhi Central University, Doimukh, 791112
Khummonmossang	Male	Student of Master of science	Zoology	6009202870		Nyigam colony A sector Naharlagun
Shiwani Singh	Female	PhD research scholar	Commerce	7085114609		Nirjuli, D sector, 791109
HomngaiMossang	Female	Researcher	Anthropology	9366064805		Lower D sector, Nirjuli, district Papumpare
Linkoniya	Male	Ph.D scholar	Commerce	7005725759		Tissa halls of residence, RGU
RebomTajom	Female	Student	English	8729976721		Sfs, college, aalo
Arnob Paul	Male	Research Scholar	Economics	9954444997		Margherita T.E. Line No. 6.
Masuma Ahmed	Female	Assistant professor	Economics	7002407587		Department of Economics Dimoria College, Khetri Pin-782403 Assam
ChaphiakLowang	Female	Assistant Professor	Social Work	9774656207		Department of social work RGU, Doimukh Arunachal Pradesh Pin-791112
ArpanaHandique	Female	Assistant Professor	Geography	8011266891		Vill- Gobindpur, P.O./P.S.- Laluk, PIN-784160, Dist- Lakhimpur
RiturajPhukan	Male	Research Scholar	Center for Computer Science and Application	9706863605		Department of Computer Science and Engineering, Dibrugarh University, pin 786003
KekhriesinuoMetha	Female	Research Scholar	Psychology	8787620213		Kohima, Nagaland
VisiezonuoMetha	Female	Research Scholar	Department of Education	7005718438		86, Lane 2, Metha Colony, Dimapur, Nagaland 797112
Paukizonne Mariam	Female	Research	Education	7005976663		OBC women's hostel, Meriema,

			Scholar			Kohima-797004
	Kater	Female	Assistant professor	Sociology	7629816372	Katerkamsi13@gmail.com
	SyedaSuraiyaKhanum	Female	Student	Social work	8135032860	Assam

## List of Offline Participants

**Three-Day National Workshop**  
On  
**Research and Publication Ethics**  
9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> November, 2022

Organized by  
Departments of Social Work, Psychology, Electronics & Communication Engineering,  
Computer Science & Engineering, English, National Security Studies, RGU

**Registration for Participants**

Sl. No.	Name	Course/Department	Signature
1. ✓	Teja Raji	AIIS Ph.D	Teja Raji
2. ✓	Shachant Mishra	PSY Ph. D.	Sh
3. ✓	Caamora Teku	Social Work Ph.D	Caamora
4. ✓	Nabam Yami	PSY Ph. D.	Yami.
5. ✓	Tommy Pratin Buragohain	CSE Ph D	B
6. ✓	Pritisha Phukan	Ph. D PSY	Pritisha
7. ✓	PANI Rensu	PhD, Pol. Sc	Pani Rensu
8. ✓	Nami Chobing	CSE	Nami Chobing
9. ✓	Pradyut Dey	PhD. Geography	Dey
10. ✓	Tashi Lungtan kee	Management Ph.D	Tashi
11. ✓	Dr. Bhard Kumar Alkam	Faculty, Dept. of Chemistry	BK
12. ✓	PONUNG NONANG	PhD, scholar. Dept of Psychology	Ponung
13. ✓	Gom Taye	CSE, RGU	Gom
14. ✓	HARIH NABAM	CSE, RGU	Hari
15. ✓	Chiranjib Dhar	CSE, RGU	Chiranjib
16. ✓	KOHIL KUMAR MAURYA	Ph.D	Kohil

Three-Day National Workshop on Research and Publication Ethics  
 9<sup>th</sup> & 11<sup>th</sup> November, 2022

17.	Jomyia Bagra	PhD, Psychology	
18.	Koj Ronyo	" "	
19.	Bhaukarajoti Borah	PhD, Chemistry	
20.	Hibu Nassing	PhD. Pol. Science	
21.	Nillo Pubyany	"	
22.	Rashmita Goswami	PhD, Geography	
23.	Jash Julie	" "	
24.	Ranujy Ngemi	"	
25.	Aigang Aniya	"	
26.	Dikshita Mahanta	Project Research Assistant	
27.	Savit K. Chaudhuri	Dean, FSS	
28.	AKASH RANJAN	Education	
29.	Rini Ranjan Kr.	Social Work	
30.	Rashmi Roy Kanmakar	Physics	
31.	Tajbia Yasi <sup>TAJBINA YASIN</sup>	Psychology PHD	
32.	Tapa Giringba <sup>GIRINGBA</sup>	psychology 1st	
33.	Gulson Goycai	History (PHD)	
34.	Raju Dalay	Dept of Mathematics (PHD)	
35.	NANGGOM GAMMI	Dept. of mathematics (PHD)	
36.	Ahai Wangku	Geography (PHD)	
37.	Saimon Jenny Wangpa	Geography (PHD)	
38.	Latifa Ara Khanam	Geography (PHD)	

pg 2 of 5

11/11



Three-Day National Workshop on Research and Publication Ethics

10<sup>th</sup> & 11<sup>th</sup> November, 2022

signature

	NAME	COURSE & DEPT	signature
39.	Karsi Igo	Biography PhD	<i>[Signature]</i>
40.	Dongda Tapa	MSc. ECE	<i>[Signature]</i>
41.	Tarak Tate	MSc ECE	<i>[Signature]</i>
42.	Tach Yaza	M.A Psychology	<i>[Signature]</i>
43.	Ngamnya Louwang	M.A Psychology	<i>[Signature]</i>
44.	Ramesh Hoso	M.A Psychology	<i>[Signature]</i>
45.	Nyamboam Dada	M.A Psychology	<i>[Signature]</i>
46.	John Cheda	MCA	<i>[Signature]</i>
47.	Hage Sumpi	M.A psychology	<i>[Signature]</i>
48.	Ka RILLUNG	M.A PSYCHOLOGY	<i>[Signature]</i>
49.	Gemem Padun	M.A. Psychology	<i>[Signature]</i>
50.	Maria Sitek	M.A. Psychology	<i>[Signature]</i>
51.	Nuzo Mekap	MSW	<i>[Signature]</i>
52.	Rani Gwyodi	MSW	<i>[Signature]</i>
53.	Ram Bodo	"	<i>[Signature]</i>
54.	Tagie Tarak	"	<i>[Signature]</i>
55.	Ana Natung	"	<i>[Signature]</i>
56.	Nabam Anam	"	<i>[Signature]</i>
57.	Sweete Tagya	Psychology	<i>[Signature]</i>
58.	Cyir Tali	M.A Psychology	<i>[Signature]</i>
59.	Rinchim Dorema	Ph.D. Maths	<i>[Signature]</i>
60.	YiJm Dahi	MSU	<i>[Signature]</i>
61.	Honia Talup	MSW	<i>[Signature]</i>

Pg 3 of 5

62.	Mary Hiba	Dept. Social work (MSW)	Maha
63.	Geeta Chikoo	" "	CH
64.	RIKAR DINI	" "	RINA
65.	Nimal Bejo	Dept. of English	Naj
66.	Muon Messan	Dept. ECE	M. Messan
67.	Tajam Chandhika Dewi	Dept. of CSE (M.Tech)	Tajam
68.	Sima Boroo	" "	Sima
69.	Toko Dapum	Dept. of Social Work	Toko
70.	Changa Gonggo	Dept. of Social Work	Changa
71.	Gidan Ropuk	Dept. of Social Work	11:11 Wicak
72.	Shiva Lakon	Dept. of CSE	Shiva
73.	Gausov Lomdat	Dept. Social Work	Gausov
74.	Lento Moyong	Dept. Social work	Lento
75.	Amir Chedi	" "	Amir
76.	Sofai Tanjung	" "	Sofai
77.	Tapti Chama	Dept. of Social Work	Tapti
78.	Pabitra Borah.	Dept. of Economics	P. Borah
79.	Dambare Bhattanai	Dept of Economics	Dambare
80.	TAMCHI ANIA	Dept of Social Work	Tandhina
81.	GOLLO LALITA	Dept of social work	G. Gollo
82.	GARGI SHARMA	Dept of Social Work	G. Sharma
83.	RIMLEE KALITA	DEPT OF COMMERCE	Rimlee

84.	Husa Chri	Dept. of Social Work	<u>Swella</u>
85.	Namhanduan Gemmi.	"	<u>Soni</u>
86.	Nandan Saomah	Ph.D Scholar, Dept. of Commerce	<u>Romah</u>
87.	Likha Apang	M.A psychology	<u>R</u>
88.	Bum Richo	m.A Psychology	<u>di</u>
89.	ASHOK BARMAN	Asst. Prof in Music	<u>ASHOK</u>
90.	Mage Basas	Research Scholar, English	<u>SB</u>
91.	Michi Nunya	"	<u>di</u>
92.	Master Bayna	MA student	<u>Bayna</u>
93.	Vikay Pagang	"	<u>di</u>
94.	Jonxa Kamsi	Ph.D. Achalar NSS	<u>Jonxa</u>
95.	Ganno Tali	M.A. P	<u>Ganno</u>
96.	Titel Megu	Botany, PhD	<u>Titel</u>
97.	Xeyir Ele	Dept. of Psychology, PhD Scholar	<u>Xeyir</u>
98.	KHOLIE YAJEK	Dept. of Social Work PhD Scholar	<u>Kholie</u>
99.	Kopoli Melo	Dept. of History, M.A	<u>Kopoli</u>
100	Nang Chanika Longphoi	Ph.D Scholar, Dept. of Commerce	<u>Chanika</u>
101	Sangey Phurpa	Ph.D Scholar, Dept of History	<u>Sangey</u>
102	Kishor Kishor M. Pogank	Ph.D education	<u>KK</u>
103	Soni Kumari	M. ed	<u>Soni</u>
104	TADAR AMAR	Ph. D (Psychology)	<u>Amar</u>
105	Fahad Hussain	MA 1st semester (NSS)	<u>F. Hussain</u>



Photos



## Media Coverage

<https://arunachalobserver.org/2022/11/12/rgu-hosts-workshop-on-research-and-publication-ethics/>

<https://arunachaltimes.in/index.php/2022/11/12/natl-workshop-on-research-publication-ethics-conducted/>

<http://www.easternsentinel.in/news/state/national-workshop-on-research-publication-ethics-concludes-at-rgu.html>



**Detail Budget incurred in the Three-Day Workshop on Research and Publication Ethics on  
9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> November, 2022**

<b>Sl. No</b>	<b>Particulars</b>	<b>Amount</b>	<b>Total</b>	<b>Bill no</b>
1	Notepad & Pen	Rs. 20X 70 + Rs. 30X 4 packet	Rs. 1520	1
2	Pen	Rs. 30 X 10 packet	Rs. 300	2
3	BhuddistKhada	Rs. 40 X 10	Rs. 400	3
4	Plastic flowers	Rs. 250 X 5	Rs. 1250	4
5	Potted flower for gift	Rs. 549	Rs. 549	5
6	Remuneration for resource person	Rs. 1500X2	Rs. 3000	6& 7
7	Refreshment	Rs. 1300+1450+520+400+600+200+120	Rs. 4590	8
8	Stationery	Rs. 350+200+60	Rs. 810	9
8	Banner Printing	Rs. 1920	Rs. 1920	10
9	Petrol	Rs. 1000	Rs. 1000	11
10	Taxi for the resource person who were staying in NERIST Guest House	Rs 500X2	Rs. 1000	12
11	Certificate & Memento	Rs. 15X 165= 2475 + Rs 680X2=1360	Rs. 3835	13
12	Memento	Rs 760X10=7600	Rs. 7600	14
13	Parcel Charges	Rs 142+ Rs. 94	Rs.236	15 & 16
14	Local transportation	Rs. 500	Rs. 500	17
<b>Total amount</b>			<b>Rs. 28,510/-</b>	



# ONE DAY WORKSHOP



ON

## TRI PROJECT 'SANITATION AMONG THE SCHEDULED TRIBES OF PAPUM PARE DISTRICT OF ARUNACHAL PRADESH'

KEYNOTE SPEAKER



**Dr. Anil Dutta Mishra**  
Senior Vice-President  
Sulabh International Social Service Organisation  
New Delhi

DISTINGUISHED SPEAKERS



**Shri. Yumlam Kaha**  
Director, SJETA  
Government of Arunachal Pradesh

**Dr. Bikash Bage**  
Nodal Officer, Tribal Research Institute (TRI),  
Rajiv Gandhi University

**Dr. Ashi Lama**  
Associate Professor/PI, Department of Economics,  
Rajiv Gandhi University  
(will present the preliminary findings/progress report).

10<sup>th</sup> February, 2023

Organised by:

Tribal Research Institute (TRI),  
Rajiv Gandhi University

Funded by:

Department of Social Justice,  
Empowerment and Tribal Affairs (SJETA),  
Government of Arunachal Pradesh

ORG. COMMITTEE

**Dr. BIKASH BAGE**  
Organising Chairman

**Dr. ASHI LAMA**  
Coordinator

Members

Ms. Jумыir Riba  
Ms. Nani Onya  
Ms. Tasso Manu  
Ms. NabamThoru

PARTICIPANTS

Ph. D Scholars  
Field Investigators  
PG students  
Faculty members  
Officers/Officials from SJETA,  
Government of Arunachal Pradesh

Venue: Department of Sociology, Rajiv Gandhi University, Rono Hills, Doimukh



**One Day Workshop**

**On**

**TRI Project ‘Sanitation among the Scheduled Tribes of Papum Pare District  
of Arunachal Pradesh’**

*10<sup>th</sup> February, 2023*

*Organised by*

**Tribal Research Institute (TRI)  
Rajiv Gandhi University**

*Funded by*

Department of Social Justice, Empowerment and Tribal Affairs (SJETA),  
Government of Arunachal Pradesh

*Venue*

**Department of Sociology  
Rajiv Gandhi University  
Rono Hills, Doimukh  
Arunachal Pradesh**

## **Keynote speaker**



**Dr. Anil Dutta Mishra**  
**Senior Vice-President, Sulabh International Social Service Organisation**  
**New Delhi**

## **Distinguished Speakers**



**Shri. Yumlam Kaha**  
**Director, SJETA, Government of Arunachal Pradesh**

Dr. Bikash Bage, Nodal Officer, Tribal Research Institute (TRI), Rajiv Gandhi University

Dr. Ashi Lama, Associate Professor/PI, Department of Economics, Rajiv Gandhi University  
(will present the preliminary findings/progress report).

## **Organising Committee**

**Dr. BIKASH BAGE**  
Organising Chairman

**Dr. ASHI LAMA**  
Coordinator

### **Members**

Ms. Jumyir Riba  
Ms. Nani Onya  
Ms. Tasso Manu  
Ms. Nabam Thoru

### **Participants**

Ph. D Scholars  
Field Investigators  
PG students  
Faculty members  
Officers/Officials from SJETA, Government of Arunachal Pradesh