

	One Week Workshop on Applied Econometrics for Research: Tools, Techniques and Practice	
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8th to 12th December, 2025

Venue: Conference Hall, Department of Economics

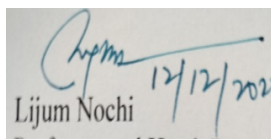


**Organised by
Centre for Development Studies
Department of Economics
Rajiv Gandhi University**

Chyima
Lijum Nochi 12/12/2025

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 Lijum Nochi
 12/12/2025

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.

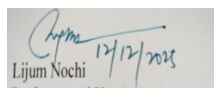
1.2 About the Department of Economics

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 11 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 63rd 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.



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2.0 Organising Committee

Advisors

Prof. S. K. Nayak

Department of Economics
and Vice chancellor i/c
Rajiv Gandhi University

Prof. Vandana Upadhyay

Department of Economics
Rajiv Gandhi University

Organizing Chairman

Prof. Lijum Nochi

Head, Department of Economics &
Coordinator, Center for Development Studies
Department of Economics
Rajiv Gandhi University

Programme Coordinator

Dr. Prasenjit Bujar Baruah

Associate Professor
Department of Economics
Rajiv Gandhi University

Co-organising Secretaries

Dr. Ashi Lama

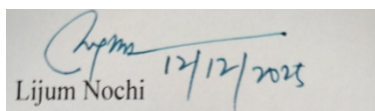
Associate Professor
Department of Economics
Rajiv Gandhi University

Dr. Anup Kumar Das

Associate Professor,
Department of Economics
Rajiv Gandhi University

Dr. Dil Bahadur Gurung

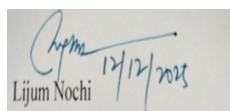
Assistant Professor
Department of Economics
Rajiv Gandhi University



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12/12/2025

2.1 Details of the Resource Persons

	Prof Joydeep Baruah 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
	Prof. Raju Mandal Department of Economics Assam University Silchar- 788011 Phone: 7002687518 Email: rajum06@gmail.com
	Dr. Parag Dutta Surya Kumar Bhuyan School of Social Sciences Krishna Kanta Handique State Open University Guwahati 781022 Phone: 8486881432 Email: paragdutta7@gmail.com
	Dr. Rajib Sutradhar Department of Economics Northeastern Hill University, Shillong Meghalaya-793022 Phone: 9873647887 Email: rajibsutradhar@nehu.ac.in


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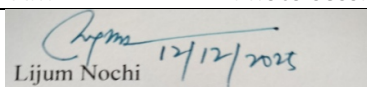
2.2: **Sponsoring Agency:** Centre for Development Studies, Department of Economics, Rajiv Gandhi University

2.3: **Expenditure Incurred:** Rs.3,83,803/- (Rupees three lakh eighty three thousand eight hundred three only)

3.0 Detail Programme:

3.1 Inaugural Programme:

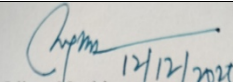
One Week National Workshop on	
Applied Econometric for Research: Tools, Techniques and Practice	
Centre for Development Studies Department of Economics	
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh	
8 th to 12 th December 2025	
<u>Invitation</u>	
Inaugural Programme	
Chief Guest: Prof. Nani Bath , Dean, Faculty of Social Sciences, Rajiv Gandhi University	
Date: 08-12-2025	
Time: 9.30 am to 10.15 am	
Venue: Conference Hall, Department of Economics	
Programme	
9.30 AM – 9.35 AM	Welcome Address by Dr. Prasenjit Bujar Baruah , Programme Coordinator
9.35AM – 9.40 AM	Felicitation of the Guests
9.40 AM – 9.45 AM	A few words about Centre for Development Studies by Dr. Ashi Lama. , Associate Professor, Department of Economics
9.45 AM – 9.55 AM	Introduction by the Participants
9.55 AM – 10.00 AM	Special remarks by Dr. Lijum Nochi , Head Department of Economics and Coordinator, Centre for Development Studies, Department of Economics
10.00AM – 10.05AM	Brief remarks from the resource person Prof. Joydeep Baruah , KKHSOU, Guwahati
10.05 AM –10.10AM	A few words by Prof. Nani Bath , Dean, Faculty of Social Sciences, Rajiv Gandhi University
10.10AM - 10.15AM	Vote of Thanks by Dr. D. B. Gurung , Assistant Professor, Department of Economics
10.15 AM	Photo session and Refreshment


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3.2 Class Routine

Schedule of Classes

	9.30 am- 11.00 am	11.00am to 11.30am	11.30 am- 1.00pm	1.00 pm – 1.30 pm	1.30 pm - 3.00 pm	3.00pm to 3.15pm	3.15 pm to 4.45 pm
08-12-2025	Inauguration	Tea Break	Basic orientation on STATA for Econometric Analysis Prof. Joydeep Baruah	Lunch Break	Organising and Handling Economic Data Dr. Parag Dutta	Tea Break	Organising and Handling Economic Data Dr. Parag Dutta
09-12-2025	Working with Simple Linear Regression Model Dr. Parag Dutta		Working with Multiple Regression Model-II Prof. Joydeep Baruah		Interpretation of Regression Results and Hypothesis Testing Prof. Joydeep Baruah		Interpretation of Regression Results and Hypothesis Testing Prof. Joydeep Baruah
10-12-2025	Understanding Model Specification and Dealing with Specification Errors Dr. Parag Dutta		Testing for assumptions Part-I (Dealing with Multicollinearity and Autocorrelation) by Prof. Joydeep Baruah		Testing for assumptions Part-II (Dealing with Heteroscedasticity) by Prof. Joydeep Baruah		Testing for assumptions Part-II (Dealing with Heteroscedasticity) By Prof. Joydeep Baruah
11-12-2025	Regression with Dummy Variable Prof. Raju Mandal		Limited Dependent Variable Model: LOGIT Prof. Raju Mandal		Limited Dependent Variable Model: TOBIT and PROBIT Dr. Rajib Sutradhar		Limited Dependent Variable Model: TOBIT and PROBIT Dr. Rajib Sutradhar
12-12-2025	Additional topics in Econometric Analysis I Dr. Rajib Sutradhar		Additional topics in Econometric Analysis II Prof. Raju Mandal		Valedictory		


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3.3: Valedictory Programme:

One Week National Workshop on Applied Econometrics for Research: Tools, Techniques and Practice

Centre for Development Studies, Department of Economics
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh
8th to 12th December 2025

Invitation

Valedictory Programme

Chief Guest: **Prof. Nani Bath, Dean, Faculty of Social Sciences, Rajiv Gandhi University**

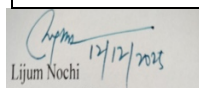
Date: **12-12-2025**

Time: **2.30 pm to 3.30 pm**

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

Programme

2.30 PM – 2.35 PM	Welcome Address by Dr. Anup Kr. Das , Associate Professor, Department of Economics
2.35 PM – 2.40 PM	Felicitation of the Guests
2.40 PM – 2.50 PM	A few words from the participants
2.50 PM – 2.55 PM	A few words by Prof. Raju Mandal , Department of Economics, Assam University, and Resource person of the Workshop
2.55 PM – 3.00 PM	A few words by Dr. Rajib Sutradhar , Assistant Professor, Department of Economics, NEHU, Shillong, and Resource person of the Workshop
3.00 PM – 3.05 PM	Remarks by Prof. Vandana Upadhyay , Department of Economics, Rajiv Gandhi University
3.05 PM – 3.10 PM	Address by Prof. Lijum Nochi , Head, Department of Economics, and Coordinator, Centre for Development Studies, Rajiv Gandhi University
3.10 PM – 3.20 PM	A few words by Dean , Faculty of Social Sciences, Rajiv Gandhi University
3.20 PM – 3.30 PM	Distribution of participation certificates
3.30 PM – 3.35 PM	Vote of Thanks by Dr. Prasenjit Bujar Baruah , Programme Coordinator and Associate Professor, Department of Economics
3.35 PM	Tea and Snacks


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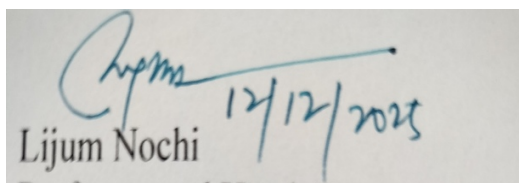
4.0. Outcome of the Program

In this era of data driven decision making, econometric tools have become indispensable not only for researchers in economics, but also to those in the helm of affairs. The ability to translate raw data into meaningful insights requires not only a sound understanding of economic theory, but also the skills to apply econometric techniques in practical research contexts. While many researchers are familiar with basic statistical concepts, there often exists a gap between theoretical knowledge and the ability to effectively apply econometric methods to real world data. This workshop aimed to bridge that gap by equipping participants with both conceptual clarity and hands-on experience in econometric modelling, estimation and interpretation. The programme continued for five days. In the first classes different aspect of STATA was taught. Thereafter, the following topics were discussed (the class schedule is enclosed above section 3.2):

- **Introduction to econometric thinking: data, models and inference**
- **Classical linear regression model: assumptions, estimation and diagnostic**
- **Violation of assumptions: multicollinearity, heteroscedasticity and autocorrelation**
- **Model specification, selection and goodness of fit.**
- **Dummy Variable and Limited Dependent Variables Models: Logit, Probit and Tobit**

The workshop covered both theoretical foundation and practical applications. It also taught how to interpret the results of estimated econometric models.

Prof. Lijum Nochi, Head, Department of Economics and Coordinator, Centre for Development Studies, Department of Economics and Prof. Vandana Upadhyay, Department of Economics also addressed in the 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. In the valedictory session, certificates were distributed among the participants.



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6.0 Annexure

6.1: Brochure:

Resource Persons



Prof. Joydeep Boruah
Professor & Director
Surya Kumar Bhuyan
School of Social Science
K K Handique Open University
Guwahati, Assam



Prof. Roju Mondal
Department of Economics
Assam University
Silchar, Assam



Dr. Rujib Sutradhar
Department of Economics
Northeastern Hill University
Shillong, Meghalaya



Dr. Parag Dutta
Surya Kumar Bhuyan
School of Social Science
K K Handique Open University
Guwahati, Assam

ORGANISING COMMITTEE ADVISORS

PROF. B. K. NAYAK
HEAD, DEPARTMENT OF ECONOMICS
AND VICE CHANCELLOR IIC
RAJIV GANDHI UNIVERSITY

PROF. VANAKA UPADHAY
DEPARTMENT OF ECONOMICS

ORGANIZING CHAIRPERSON
Prof. Lijun Nochi
Coordinating Center for Development Studies
Department of Economics
Rajiv Gandhi University

PROGRAMME COORDINATOR
Dr. Prasenjit Raju Boruah
Associate Professor

CO-PROGRAMME COORDINATOR

Dr. Anil Lama
Associate Professor

Dr. Arup Kumar Das
Associate Professor

Dr. Uttam Kumar Das
Associate Professor

In this era of data driven decision making, econometric tools have become indispensable not only for researchers in economics but also for those at the helm of affairs. The ability to translate raw data into meaningful insights requires not only a sound understanding of economic theory but also the skills to apply econometric techniques in practical research contexts. While many researchers are familiar with basic statistical concepts, there often exists a gap between theoretical knowledge and the ability to effectively apply econometric methods to real world data. This workshop aims to bridge that gap by equipping participants with both conceptual clarity and hands-on experience in econometric modeling, estimation, and interpretation. The workshop will cover both theoretical foundations and practical applications, with emphasis on the following themes:

- Introduction to econometric thinking: data, models and inference
- Classical linear regression model: assumptions, estimation and diagnostic
- Violation of assumptions: multicollinearity, heteroscedasticity and autocorrelation
- Model specification, selection, and goodness of fit.
- Dummy Variable and Limited Dependent Variables Models: Logit, Probit and Tobit

How to apply:
Interested faculty members or researchers who have not yet completed their Ph.D. are required to fill out the Google form: <https://forms.gle/dmoYVANSWSoe6XV6> on or before the 15th of November 2025. For any query, please mail in the email ID: 'ecoseminarpgu2025@gmail.com'.

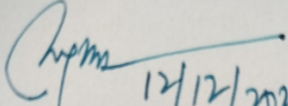
Notes:

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



ONE WEEK WORKSHOP ON APPLIED ECONOMETRICS FOR RESEARCH: TOOLS, TECHNIQUES AND PRACTICE

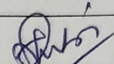
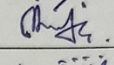
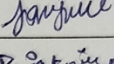
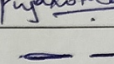
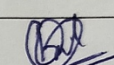
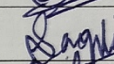
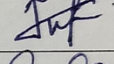
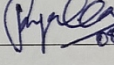
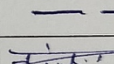
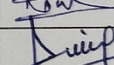
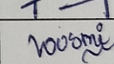
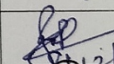
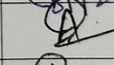
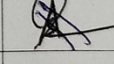
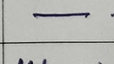
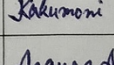
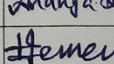
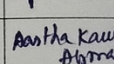
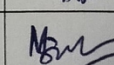
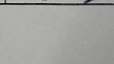
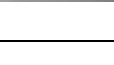
Centre for Development Studies
Department of Economics
Rajiv Gandhi University, (Doimukh)
Itanagar-791112 Arunachal Pradesh
8th to 12th December 2025


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12/12/2025

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6.2 Attendance List:

One Week Workshop on
Applied Econometric for Research: Tools, Techniques and Practice
Centre for Development Studies, Department of Economics
Rajiv Gandhi University, (Doimukh) Itanagar-791112 Arunachal Pradesh
8th to 12th December 2025

Name	Designation	University/Institute	Signature
Rubi Das	Ph.D Scholar	NERIST	
Hundi Pulu	Ph.D Scholar	Rajiv Gandhi University	
Tomi jini	Ph.D Scholar	NERIST	
Puja Koirala	Ph.D Scholar	Rajiv Gandhi University	
Pabitra Borah	Ph.D Scholar	Rajiv Gandhi University	
KONLOM MOSSANG	Ph.D Scholar	Rajiv Gandhi University	
Nang Sangita Mungkang	Ph.D Scholar	Rajiv Gandhi University	
Jumyir riba	Ph.D Scholar	Rajiv Gandhi University	
Puja Kadu	Ph.D Scholar	Rajiv Gandhi University	
Margum Ado	Assistant Professor	IDOE, Rajiv Gandhi University	
Rinchin Dorjee	Ph.D Scholar	Rajiv Gandhi University	
Lobsang	Ph.D Scholar	Rajiv Gandhi University	
Wusmi Baki Garam	Ph.D Scholar	Rajiv Gandhi University	
Indranee Phukan	Ph.D Scholar	Rajiv Gandhi University	
Alipso pul	Ph.D Scholar	Rajiv Gandhi University	
Pakpi Nada	Ph.D Scholar	Rajiv Gandhi University	
Chiranjeeb Biswas	Ph.D Scholar	Rajiv Gandhi University	
Kakumoni Rajkhowa	Ph.D Scholar	Rajiv Gandhi University	
Ananya Sonowal	Ph.D Scholar	Rajiv Gandhi University	
Hemanta Sonowal	Ph.D Scholar	Rajiv Gandhi University	
Aastha Kaushik Agomacharyya	Ph.D Scholar	Rajiv Gandhi University	
Mukhyajit Sonowal	Ph.D Scholar	Rajiv Gandhi University	

Tashi Lamu	Assistant Professor	Government College Bomdila	<i>[Signature]</i>
Reshmin Ara Begum	Ph.D Scholar	Dibrugarh University 1000	<i>[Signature]</i> 8/12/25
Shanku Paul	Ph.D Scholar	Assam University	—
Bhaskar Das	Ph.D Scholar	Rabindranath Tagore University, Hojai	<i>Bhaskar Das.</i>
DEBAJANI BORUAH	Ph.D Scholar	Krishna Kanta Handiqui State Open University, Guwahati	<i>Debnath</i>
Sahil Kumar	Ph. D. Scholar	TMBU University, Bhagalpur, Bihar	<i>Sahil Kumar</i>
Ibalarilin Lyngdoh	Ph.D Scholar	University of Science and Technology Meghalaya	<i>Ibalarilin</i>
T. Aathy Kannan	Assistant Professor	Hindustan Institute of Science and Technology	—
Priyanka Bhowmik	Assistant Professor	Techno Indian University	—
Bornita Mondal	Ph.D Scholar	Sidho - Kanho - Birsha University, Purulia	<i>B. Mondal</i>
Akankhya Bordoloi	Ph.D Scholar	Dibrugarh University	<i>[Signature]</i>
KARUNA PHUKAN	Assistant Professor	Digboi College (Autonomous)	<i>[Signature]</i> 8/12/25
Nishant Kashyap	Ph.D Scholar	Assam University	<i>Nishant Kashyap</i> 8/12/25
Mayuri Hazarika	Ph.D Scholar	Dibrugarh University	<i>[Signature]</i> 8/12/25
Pollobi Pegu	Ph.D Scholar	Dibrugarh University	<i>[Signature]</i> 8/12/25

→ *Dambaru Bhattacharai*

Bhattacharai
8/12/25

[Signature]
Lijum Nochi
12/12/2025

6.3: Photographs:







Chpma
12/12/2025
Lijum Nochi