



CV of Professor Dr. M Sayedur Rahman

Introduction

1. Personal Information

Name : Professor Dr. M. Sayedur Rahman
Father's Name : Late Abdur Razzaque
Mother's Name : Late Shanti Begum
Date of Birth : 1st July, 1958
Place of Birth : Manikganj.

Address in Manikganj: Village: Sometpur, Post & Upazila: Daulatpur,
District: Manikganj

Address in Rajshahi : Interlude Apartment, Flat # A6, House # 552,
Road # 1, Padma Residential Area, Vodra,
Rajshahi , Bangladesh.

Nationality : Bangladeshi by birth

NID : 5501301237

Spouse : Selina Akter

Son : Dr. Rehman Eon, NASA Scientist and Research Faculty,
Center of Imaging Science, Rochester Institute of Technology
(RIT), Rochester NY, USA.

**Mailing Address : Vice Chancellor, North Bengal International University,
Motihar, Rajshahi.
Cell: 01715360318 (WhatsApp)
E-mail: rmsayedur@gmail.com**

2. Employment Records:

: Vice Chancellor, North Bengal International University, Rajshahi from 1.1.2026 to 31.12.2029.

: Director, Board of Director, Bangladesh Krishi Bank, From 28.10.2024 to 27.10.2027.

: Dean and Professor, Faculty of Business Administration, Eastern University, Ashulia Model Town, Dhaka from 9.2.2025 to 31.12 2026.

: Professor, Department of Statistics, University of Rajshahi, From 1.11.2011 to 1.7.2023.

: Professor, Dean in Charge & Chairman, Faculty of Business Administration, Eastern University, Dhanmondi R/A, Dhaka, From 1.1.2010 to 31 10. 2011 (Lien from RU)

: Professor & Executive Director, Centre for Research and Development, Eastern University, Dhanmondi R/A, Dhaka, From 1.11.2007 to 31.12.2009 (Lien from RU)

: Professor & Chairman, Department of Statistics, University of Rajshahi, From 1.10.2006 to 31.10.2007.

: Professor, Department of Statistics, University of Rajshahi, From 1.10.2005 to 31.10.2007.

: Visiting Professor, Division of Climate System Research, Atmosphere and Ocean Research Institute, the University of Tokyo, Japan. From 1.10.2004 to 30.9.2005 (on Sabbatical leave).

: Professor, Department of Statistics, University of Rajshahi, From 24.3.2003 to 30.9.2004.

: Associate Professor, Department of Statistics, University of Rajshahi, From 1.11.2002 to 23.3.2003.

: Consultant, Agricultural Statistics Specialist, Early Warning and Food Information System Project, Ministry of Food, Government of Bangladesh. From 1.3.2001 to 31.10.2002 (on Deputation).

: Associate Professor, Department of Statistics, University of Rajshahi, From 23.10.98 to 29.2.2001.

: Assistant Professor, Department of Statistics, University of Rajshahi, From 4.9.1991 to 22.10.1998.

: Lecturer, Department of Statistics, University of Rajshahi, From 5.9.1988 to 3.9.1991.

: Assistant Director, Mitra & Associates, NGO based Research Organization, Dhaka., From 2.7.1987 to 4.9.1988.

: Research Officer, Mitra & Associates, NGO based Research Organization, Dhaka., From 10.6.1986 to 1.7.1987.

: Part time Faculty, North South University, Dhaka, 2025.

: Part time Faculty, South East University, Dhaka, 2012.

: Part time Faculty, Bangladesh Islamic University, R. K. Misson Road Dhaka, 2007.

: Part time Faculty, International Islamic University Chittagong, Dhaka Campus, Dhanmondi, 2006.

: Part time Faculty, Institute of Business Administration, Rajshahi University .

: Specialist Teacher (Simulation and Modelling), Computer Science and Engineering Discipline, Khulna University, Khulna. From 1.12.2002 to 1.7.2004.

: Also I was engaged 3 years as a Assistant Proctor, University of Rajshahi and 1 year 4 Months as a house tutor of Motihar Hall, Rajshahi University besides my teaching jobs.

: Also I was Teaching, Research and Demonstrating experience in the Department of Agricultural and Environmental Sciences, University of Newcastle upon Tyne, U.K., From 1. 7. 1996 to 1.7.1998.

3. Educational & Professional Affiliations

3.1 Education

: Ph.D., Stochastic Study of Crop-Climate Simulation Modelling for Environmental Strategies and Agricultural Development of Bangladesh, 2002, University of Rajshahi .

: M.Phil., Integrated crop growth modelling system for Barind in Bangladesh, 1998, University of Newcastle Upon Tyne, U.K.

: M.Sc. in Statistics, 1983, First Class First, Department of Statistics, University of Rajshahi

: B.Sc.(Honours) in Statistics, 1982, First Class First, Subsidiary Subject: Mathematics and Economics. Department of Statistics, University of Rajshahi.

: Higher Secondary Certificate (H.S.C), 1977, Science, Dhaka College, Dhaka.

: Secondary School Certificate (S.S.C.), 1975, Science, Daulatpur P.S. High School, Manikganj, Dhaka.

Employment record relevant to the assignment:

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
Sept 1988- till date	<p>University of Rajshahi , Currently Professor. Past: Associate professor, Assistant Professor, Lecturer at the Department of Statistics</p> <p>Reference:</p> <p>1. Dr. S. K. Bhattacharjee Professor Email: skbhattacharjee01@yahoo.com Cell: +88-01914254003</p> <p>2. Dr. Mir Masoom Ali George and Frances Ball Distinguished Professor of Statistics Emeritu and Professor Emeritus of Mathematical Sciences Ball State University Muncie, IN 47306-0490 USA Phone: 1-765-285-8640 (Math Office) 1-765-284-7495 (Home)</p>	Bangladesh	<p>Activities Performed:</p> <p>Editorial members of the Springer Nature Book: (1) Data science and SDGs: Challenges, opportunities and Realities. (2) Environmental Statistics</p> <p>Executive Editor of International Journal of Statistical Sciences, http://www.ru.ac.bd/stat/editorial-board/</p> <p>Organized an International Conference</p> <p>1. As a Convener of the 7th International Conference on Data Science and SDGs: Challenges, Opportunities and Realities held in December 18-19, 2019, Organized by Department of Statistics, University of Rajshahi, Rajshahi-6205, Bangladesh,</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	<p>1-765-285-1721 (Office Fax) E-mail: mali@bsu.edu, mirmasoom@gmail.com (for large files and pictures)</p> <p>3. Dr. Bikas K. Sinha Retired Professor of Statistics Indian Statistical Institute Kolkata-700108, India. E-mail: bikassinha1946@gmail.com</p>		<p>Website: http://www.ru.ac.bd/stat/conference-2019/</p> <p>2. As a Convener of the 6th Bioinformatics and Biostatistics for Agriculture, Health and Environment, held in January 20-23, 2017 http://www.ru.ac.bd/stat/conference-2019/</p> <p>3. As an active member of the 5th International conference on Statistical Data Mining for Bioinformatics Health Agriculture and Environment held in December 22-24, 2012, http://www.ru.ac.bd/stat/conference-2019/</p> <p>4. As an active member of the 4th International conference on Global Environmental-Cum-Ecological Challenges and Sustainability: Statistical Issues, Held in December 19-21, 2006, http://www.ru.ac.bd/stat/conference-2019/</p> <p>5. As an active member of the 3rd International conference on Recent Advances in Exploratory Data Analysis: Models, Methods and Computer Algorithm (In memory of Prof. K.M. Hossain) held in October 14-16, 2003, http://www.ru.ac.bd/stat/conference-2019/</p> <p>6. As an active member of the 2nd International conference on Recent Advances in Statistics and Its Application held in May 29-31, 1998, http://www.ru.ac.bd/stat/conference-2019/</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
			<p>ce-2019/</p> <p>7. As an active members of the 1st International conference on Aging in SAARC Countries held in October 18-19, 1996, http://www.ru.ac.bd/stat/conference-2019/</p> <p>STATISTICAL CONSULTING I have been consulting senior research students, engineers, doctors and professionals of a wide variety of disciplines for many years.</p> <p>INVOLVEMENT IN THESES SUPERVISION Member of MSc thesis Committee and Member of the Ph.D. Thesis</p> <p>EXAMINATION OF THESES EVALUATION OF RESEARCH PROPOSALS</p> <p>REVIEWING BOOKS MEMBERSHIP IN THE EDITORIAL BOARDS REVIEWING PAPERS FOR JOURNALS</p> <p>I have been actively engaged in research since 1991. My publications can be categorized into the following:</p> <ul style="list-style-type: none"> (I) Data science and big data (II) Environmental science (III) Meteorology and Climatology (IV) Appl. of statistics to psychology (V) Markov processes: estimation (VI) Mathematical economics (VII) Applications to environmental and related

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			<p>topics</p> <p>(VIII) Generalized linear models</p> <p>(IX) Appl. of discrete Markov processes</p> <p>(X) Appl. of statistics</p> <p>(XI) Ridge regression</p> <p>(XII) Appl. of statistics to actuarial sciences and financial mathematics</p> <p>(XIII) Multivariate Statistics</p> <p>(XIV) Climate change</p> <p>(XV) Simulation modeling</p> <p>(XVI) Markov chain modeling</p> <p>(XVII) Food security</p> <p>(XVIII) Monte Carlo simulation</p> <p>(XIX) Bootstrap in Time series</p> <p>(XX) Statistical Data Mining</p> <p>(XXI) Agriculture statistics</p> <p>UNIVERSITY AND PUBLIC SERVICES</p> <p>SERVICES ON THE DEPARTMENT COMMITTEES</p> <p>Member of the Undergraduate Committee,</p> <p>Member of the Program Assessment Committee,</p> <p>Member of the Short Course Evaluation Committee</p> <p>PH.D. ENTRANCE OR COMPREHENSIVE EXAMS</p> <p>Member of the PhD Comprehensive Exam.</p> <p>ACTIVITIES AT THE UNIVERSITY</p> <p>I was actively involved in the B.Sc (hons) and M.Sc Statistics to develop update curriculum and job oriented suitable program.</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
			<p>Performed Administrative duties for nearly 2500 residential students as an Assistant proctor as well as assistant house tutor</p> <p>TEACHING EXPERIENCES</p> <p>I taught many core courses in statistics including Survey Sampling, Design of Experiments, Statistical Inference, Environmental Statistics, Estimation theory and Multivariate Analysis. Courses taught so far ranges from the first year to Master's level.</p> <p>Areas of teaching excellence include elementary statistics, engineering statistics, mathematical statistics, multivariate statistical analysis, statistical inference, econometrics, regression analysis and survey sampling.</p>
<p>Feb 2010- May 2012</p>	<p>Dept. of Environment Science, Jahangirnagar University, Researcher to Monitoring meteorological and agricultural drought dynamics in Barind region Bangladesh using standard precipitation index and Markov chain model</p> <p>Reference: A.T.M. Jahangir Alam Research Fellow Email: kallal1022@gmail.com Cell: +88-01716585457</p>	<p>Bangladesh</p>	<p>The details analysis of rainfall data has been carried out for the years 1971-2010. Two well known drought indices, Standard precipitation index (SPI) has been used to evaluate the precipitation deficit, and Markov chain model used to quantify the drought in agricultural extent. Details analysis of spatiotemporal drought dynamics during Pre-Kharif (pre-monsoon) and Kharif (monsoon) have been carried out through drought indices map generated in a GIS (Geographical Information System) environment. Analysis and interpretation of these maps evaluate that meteorological drought is not always correspond to agricultural drought and a chronic agricultural drought can be occur because of a limited rainfall deficit. Also identified that there is a statistically</p>

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			<p>significant temporal correlation between SPI and Markov chain drought indices but spatial correlation is poor in pre monsoon season. In agricultural sphere, the Markov chain shows a very chronic pattern during pre-monsoon season in the entire area but in monsoon it behaves like meteorological drought.</p>
<p>Jan 2010- Oct 2011</p>	<p>Eastern University, Professor to Dean in Charge & Chairman, Faculty of Business Administration</p> <p>Reference:</p> <p>Mr. Abul Quasem Haider Ex. Chairman & Member of Trustees Board Email: aqhaider@youthgroupbd.com Cell: +88-01552367883</p>	<p>Bangladesh</p>	<p>Activities Performed:</p> <p>STATISTICAL CONSULTING I have been consulting senior research students, engineers, doctors and professionals of a wide variety of disciplines.</p> <p>EVALUATION OF RESEARCH PROPOSALS REVIEWING BOOKS MEMBERSHIP IN THE EDITORIALBOARDS REVIEWING PAPERS FOR JOURNALS</p> <p>UNIVERSITY AND PUBLIC SERVICES SERVICES ON THE DEPARTMENT COMMITTEES Member of the Undergraduate Committee, Member of the Program Assessment Committee,</p> <p>ACTIVITIES AT THE UNIVERSITY</p> <p>I was actively involved in the graduate and under graduate level to develop update curriculum and job oriented suitable program.</p> <p>Performed Administrative duties for nearly 600 students, officers and staff.</p>
<p>June</p>	<p>Eastern University, Bangladesh and</p>	<p>Bangladesh</p>	<p>Examined the causal relationship among</p>

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2010- Jan 2011	<p>Yunnan University of Finance and Economics, Kunming, Yunnan, P.R. China,</p> <p>Researcher to Time Series Analysis of Causal Relationship Among GDP, Agricultural, Industrial and Service Sector Growth in Bangladesh</p> <p>Reference:</p> <p>Dr. Md. Mostafizur Rahman Assistant Professor Email: mostafiz_bd21@yahoo.com Cell: +88-01932521686, +88-01735393226</p>		<p>these variables. It is found the existence of long run equilibrium relationship among these variables and bidirectional causality is observed between GDP and agricultural sector, industrial sector and GDP, and also industrial sector and service sector. The empirical study also found the unidirectional granger causality from industrial sector to agricultural sector and GDP to service sector. Finally, the results indicate that agricultural and industrial sector are the influencing factor of the GDP of Bangladesh and vice versa, where service sector does not influence the GDP but GDP influences the service sector to grow up. This study gives the guideline to the policy maker and investors.</p>
Oct 2008- June 2010	<p>Dept. of Environment Science, Jahangirnagar University,</p> <p>Researcher to Spatio- Temporal Variations of Agricultural Drought at Barind Region, Bangladesh: An Application of Markov Chain Model. Irrigation and Drainage</p> <p>Reference:</p> <p>A.T.M. Jahangir Alam Research Fellow Email: kallal1022@gmail.com Cell: +88-01716585457</p>	Bangladesh	<p>Summarized the spatio-temporal variation of agricultural drought in this region. A Markov chain model of higher order has been used to evaluate probabilities of getting a sequence of wet-dry weeks over this region from the rainfall data. Geospatial analysis has been conducted to delineate the spatial extent of agricultural drought of different severities in different seasons. The probability of three consecutive dry weeks and probability of at least 10 and 12 weeks was also calculated to find out the suitability of agricultural production. The maximum variation of agricultural drought index was found during the pre-kharif (March to May) and kharif (June to October) seasons. However, no variation in drought index was found during the rabi (November to February) season.</p>

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Nov 2007- Dec 2009	<p style="text-align: center;">Eastern University, Professor & Executive Director, to Centre for Research and Development</p> <p>Reference:</p> <p>Mr. Abul Quasem Haider Ex. Chairman & Member of Trustees Board Email: aqhaider@youthgroupbd.com Cell: +88-01552367883</p>	Bangladesh	<p>Activities Performed: STATISTICAL CONSULTING I have been consulting senior research students, engineers, doctors and professionals of a wide variety of disciplines.</p> <p>EVALUATION OF RESEARCH PROPOSALS REVIEWING PAPERS FOR JOURNALS UNIVERSITY AND PUBLIC SERVICES SERVICES ON THE DEPARTMENT COMMITTEES Member of the Undergraduate Committee, Member of the Program Assessment Committee,</p> <p>ACTIVITIES AT THE UNIVERSITY I was actively involved in the graduate and under graduate level to develop update curriculum and job oriented suitable program.</p>
Oct 2006- Oct 2007	<p style="text-align: center;">University of Rajshahi, Professor</p> <p>Reference:</p> <p>Dr. S. K. Bhattacharjee Professor Email: skbhattacharjee01@yahoo.com Cell: +88-01914254003</p>	Bangladesh	<p>Activities Performed: STATISTICAL CONSULTING I have been consulting senior research students, engineers, doctors and professionals of a wide variety of disciplines for many years.</p> <p>INVOLVEMENT IN THESES SUPERVISION Member of MSc thesis Committee and Member of the Ph.D. Thesis EXAMINATION OF THESES EVALUATION OF RESEARCH PROPOSALS REVIEWING BOOKS MEMBERSHIP IN THE</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
			<p style="text-align: center;">EDITORIALBOARDS REVIEWING PAPERS FOR JOURNALS</p> <p>I have been actively engaged in research since 1991. My publications can be categorized into the following:</p> <ul style="list-style-type: none"> (I) Meteorology and Climatology (II) Appl. of statistics to psychology (III) Markov processes: estimation (IV) Mathematical economics (V) Applications to environmental and related topics (VI) Generalized linear models (VII) Appl. of discrete Markov processes (VIII) Appl. of statistics (IX) Ridge regression (X) Appl. of statistics to actuarial sciences and financial mathematics (XI) Multivariate Statistics (XII) Climate change (XIII) Simulation modeling (XIV) Markov chain modeling (XV) Food security (XVI) Monte Carlo simulation (XVII) Bootstrap in Time series (XVIII) Statistical Data Mining (XIX) Agriculture statistics <p style="text-align: center;">UNIVERSITY AND PUBLIC SERVICES</p> <p>SERVICES ON THE DEPARTMENT COMMITTEES Member of the Undergraduate Committee, Member of the Program Assessment Committee,</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
			<p>Member of the Short Course Evaluation Committee PH.D. ENTRANCE OR COMPREHENSIVE EXAMS Member of the PhD Comprehensive Exam.</p> <p>ACTIVITIES AT THE UNIVERSITY</p> <p>I was actively involved in the B.Sc (hons) and M.Sc Statistics to develop update curriculum and job oriented suitable program.</p> <p>Performed Administrative duties for nearly 25000 residential students as an Assistant proctor as well as assistant house tutor</p> <p>TEACHING EXPERIENCES</p> <p>I taught many core courses in statistics including Survey Sampling, Design of Experiments, Statistical Inference, Estimation theory and Multivariate Analysis. Courses taught so far ranges from the first year to Master's level.</p> <p>Areas of teaching excellence include elementary statistics, engineering statistics, mathematical statistics, multivariate statistical analysis, statistical inference, econometrics, regression analysis and survey sampling.</p>
2007-2007	<p>Bangladesh Islamic University, Professor</p> <p>Reference: Dr. S. K. Bhattacharjee Professor Email:</p>	Bangladesh	<p>Activities Performed: I was actively involved to develop update curriculum and job oriented suitable program. I taught core courses in statistics.</p>

Period	Employing organization and Title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	skbhattacharjee01@yahoo.com Cell: +88-01914254003		
2006-2006	International Islamic University Chittagong, Bangladesh, Professor Reference: Dr. S. K. Bhattacharjee Professor Email: skbhattacharjee01@yahoo.com Cell: +88-01914254003	Bangladesh	Activities Performed: I was actively involved to develop update curriculum and job oriented suitable program. I taught core courses in statistics.
Oct 2004-Sept 2005	University of Tokyo, Visiting Professor to Center for Climate System Research Reference: Dr. Teruyuki Nakajima, Professor & Director E-mail: teruyuki.nakajima@aori.u-tokyo.ac.jp Tel: +81-(0)4-7136-6325, 4398, (office), -4401 (secretary)	Japan	To develop simulation modeling. Used empirical mode decomposition (EMD) method, which is especially well fitted for analyzing time-series data representing non-stationary and nonlinear processes. This method could decompose any time-varying data into a finite set of functions called “intrinsic mode functions” (IMFs). The EMD analysis successively extracts the IMFs with the highest local temporal frequencies in a recursive way. The extracted IMFs represent a set of successive low-pass spatial filters based entirely on the properties exhibited by the data. The IMFs are mutually orthogonal and more effective in isolating physical processes of various time scales. The results showed that most of the IMFs have normal distribution. Therefore, the energy density distribution of IMF samples satisfies χ^2 -distribution which is statistically significant.

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Dec 2002- July 2004	Khulna University, Specialist Teacher to (Simulation and Modelling), Computer Science and Engineering Discipline	Bangladesh	Activities Performed: I was actively involved to develop update curriculum and job oriented suitable program. I taught core courses in statistical simulation modelling.
Oct 2002- March 2003	GOB and IFPRI, WFP,USAID,AUSAID,CIDA,DFID, Team Memembr to Study on Food Aid Leakage in Bangladesh	Bangladesh	Activities Performed: <ul style="list-style-type: none"> • Participate in designing, supervising and conducting surveys and interviews of enlisted food grain carrying contractors, traders, private transport market, DG food officials for the analyzing of operational efficiency of the PFDS. • Analyze the primary data through the surveys and interviews mentioned above; • Play significant role in compiling and analyzing time series data and other secondary data s structure and performance of institutions involved in the food distribution system; • Write a report based on the above mentioned analysis, determining the magnitude of grain loss and the leakage in the PFDS, and suggesting ways of improving the performance of the system.
March 2001- Oct 2002	Ministry of Food, Government of Bangladesh, Consultant to Agricultural Statistics Specialist, Early Warning and Food Information System Project	Bangladesh	Activities Performed: To improve database for implementing early warning and food information system; To develop modeling system for improve PFDS, Storage system and help early warning; To Strengthen the Human Resource of FPMU staff and other related organizations; To collect food, agriculture and climate

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			<p>related data; To compile all relevant data for modeling exercise and help early warning system; To demonstrate project management cycle: planning, design, monitoring & implementation and evaluation for a project; To develop of project logical frame work; To organize workshops involving NGOs and other development agencies; Write a report based on the above mentioned analysis, determining the magnitude of grain loss and the leakage in the PFDS, and suggesting ways of improving the performance of the system.</p>
March 2000- June 2001	<p>Indian Statistical Institute (ISI), Kolkata, Researcher to Markov chain analysis of weekly rainfall data in determining drought-proneness</p>	India	<p>To evaluate probabilities of getting a sequence of wet and dry weeks during South-West monsoon period over the districts Purulia in West Bengal and Giridih in Bihar state and dry farming tract in the state of Maharashtra of India. An index based on the parameters of this model has been developed to indicate the extend of drought-proneness of a region.</p>
June 2000- July 2001	<p>Ministry of Science and Technology, GOB, Associate Investigator to Decision Support System for Improving Crop Management Practices in Drought-prone High Barind Region, Bangladesh</p>	Bangladesh	<p>Activities Performed: Barind region are characterized by highly variable rainfall, poor soils, low yields and poor developmental infrastructure. Improving crop management is now an accepted strategy for development of rain-fed agriculture in these areas. New science tools like remote sensing, geographical information systems (GIS), water balance, simulation modeling are currently being used very widely in irrigated and well-endowed areas. Application of new science tools in rain-fed agriculture opens up new outlooks for development through integrated crop</p>

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			management programs for Barind. Techniques are also successfully used for preparing detailed thematic maps, watershed development plans and continuous monitoring of the natural resources in rain-fed areas.
April 1999- March 2000	University of Wisconsin, La Crosse, Researcher to Soil moisture deficiency in Bangladesh during pre-monsoon season. Proceeding of the Climate , Variability and its Impact in Seoul, South Korea	USA	Activities Performed: Drought is the result of insufficient or no rainfall for an extended period, and causes a considerable hydrological (water) imbalance. The ensuing water shortage leads to stream flow reduction, depletion of ground water and soil moisture, and hence, crop damage. In drought conditions, evaporation and transpiration exceed normal levels. If it continues for a prolonged period, a serious threat is posed to agricultural production. In agricultural context drought affects the rice production most. The month to month and year to year variations in the atmospheric parameters like rainfall, temperature, humidity, etc., cause substantial variations in crop yields.
Feb 1999- Jan 2000	ADB/Rajshahi University, Project Director to Statistical Approach to the Operational Management of Road Transport and Related Models	Bangladesh	Activities Performed: The relationship between the number of fatalities and the factors affecting the number of incidence of road accident fatalities in Bangladesh was statistically evaluated using a multiple regression and ridge regression techniques.
July 1997- March 1998	University of Newcastle upon Tyne, Researcher to Validation, uncertainty and sensitivity analysis of crop growth simulation model for Barind in Bangladesh	UK	Conducted uncertainty and sensitivity analysis; both analysis were based upon the Latin Hypercube Sampling (LHS) techniques by analysis a complex crop growth simulation model. The model have been validated by comparing simulated and measured yield of transplanted Aman rice for the Barind region of Bangladesh

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July 1996- July 1998	University of Newcastle upon Tyne, Professor/Researcher	U.K.	Teaching, Research and Demonstrating experience in the Department of Agricultural and Environmental Sciences, U.K
June 1993- July 1994	ADB/Rajshahi University, Project Director to Productivity Measurement of the Sugar Industry in Bangladesh	Bangladesh	<p>Activities Performed:</p> <p>Sugar industry is an agro-based industry in Bangladesh. Sales of sugar are one of the important factors for the productivity of the sugar mills. The sales and quality demanded of sugar are determined by its price, the price relative products, consumer income, the size of the population, and tests and preferences. The sales are affected by the usual factors explaining demand. In present paper focus on a more restricted question: what are the mean sales of sugar by the industry, different sugar mills, per year? The distribution of annual sales of sugar per Taka fixed assets is normal for three sugar mills (SSM, JSM and TSM). The distribution of annual sales per employment is also normal for six sugar mills (SSM, RGSM, C&CO., JSM, RSM, NBSM and industry average (16 SM). Similarly, the distribution of annual sales of sugar in relation to production of sugar is also normal for only three sugar mills (RGSM, JSM and NBSM). The fact from Monte Carlo simulation results that the least squares estimate varies from sample to sample reflects the fact that the least square estimator for Models-1, 2 and 3 are a random variable, it has a probability or sampling distribution, which is normal. For a large class of problems, however, the bootstrap does yield easy, very quick, Monte Carlo estimates of the errors in an estimated</p>

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			parameter set.
July 1987- Sept 1988	Mitra & Associates, Assistant Director USAID, ICDDR'B, John Hopkins University	Bangladesh	Activities performed: To develop questionnaire, training field staff for data collection method; To write SPSS program for data analysis of various project; To write draft report.
Sept 1986- June 1987	USAID, ICDDR'B, John Hopkins University Research Officer to Bangladesh National Contraceptive Prevalence Survey-1985	Bangladesh	Activities performed: To develop questionnaire, training field staff for data collection method; To help data entry techniques for analyse field data.

Membership in Professional Associations and Publications:

Member :

- Life Members, International Journal of Statistical Sciences (IJSS)
- Chief Editor, International Journal of Statistical Sciences (IJSS)
- Chief Editor, North Bengal International University Journal (NBIUJ)
- Japan-Bangla Members
- Vice President, Bangladesh Statistical Association.
- Life member, Bangladesh Statistical Association.
- Life member, Rajshahi University Student Association.
- Life member, Rajshahi University Alumni Association.
- Senate Member (2002-2005), Khulna University.
- Member, Rajshahi University Teacher Association.
- Member, British Alumni Association in Bangladesh.

- Member, University of Newcastle upon Tyne Alumni Association.
- Member (Editorial Board), Journal of Bangladesh Studies.
- Member (Editorial Board), Journal of Eastern University.
- Advisor, Central Committee of Zia Parishad.
- Advisor, Jatiobadi Shikkok Forum, Rajshahi University.
- Vice President, Jatyotabadi Peshajebi Parishad.

Publications:

Book Published:

1. A. T. M. Jahangir Alam, A. H. M. Saadat, M. Sayedur Rahman , 2018, Spatio-Temporal Characteristics of Agricultural Drought, Publisher : LAP LAMBERT Academic Publishing, 128 pages, ISBN-10 : 333032256X, ISBN-13 : 978-3330322561.
2. M. Sayedur Rahman, S. K. Bhattacharjee, Md. Abdul Khalek, Md. Sabiruzzaman, Md. Mostafizur Rahman, Md. Ripter Hossain, 2015, "Population Density and Vulnerability Monograph: A Challenge for Sustainable Development of Bangladesh" Department of Statistics and Bangladesh Bureau of Statistics (BBS) funded by UNFPA, ISBN-978-984-33-9952-6.
3. M. Sayedur Rahman, S. K. Bhattacharjee, Md. Abdul Khalek, Md. Sabiruzzaman, Md. Mostafizur Rahman, Md. Ripter Hossain, 2015, "Population Distribution and Internal Migration-Bangladesh" Department of Statistics and Bangladesh Bureau of Statistics (BBS) funded by UNFPA. ISBN-978-984-33-9951
4. M. Sayedur Rahman and M. A. Basher Mian, 2012, "Crop Climate Simulation Modelling: Environmental Strategies and Agricultural Development of Bangladesh" Publisher/Verlag: LAP Lambert Academic Publishing, 220 pp,ISBN 10: 3848496224 / ISBN 13: 9783848496228

Book Chapter Published:

1. Md Mostafizur Rahman, Md Abdul Khalek and M Sayedur Rahman, 2022, Comparing the Performance of G-family Probability Distribution for Modeling Rainfall Data, Book Chapter: 13, G-Families of Probability Distributions: Theory and Practices, 219-232, Publisher: Taylor & Francis.
2. Anamul Haque Sajib, Trishna Saha and M Sayedur Rahman, 2022, Finding an Efficient Distribution to Analyze Lifetime Data through Simulation Study, Book Chapter: 15, G-

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Article Published :

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Language Skills (indicate only languages in which you can work): Excellent in Bengali and English languages.

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
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<p>(i) Identify specific areas for WIBCI piloting by assessing cultivated areas, production and yield of key crops, types of soils, percentages of agriculture under irrigation and rainfed, vulnerability of crops to weather and climate risks, farming system and types, and income levels of farmers;</p> <p>(ii) With the meteorologist/climate adaptation specialist and hydrometeorologist, undertake crop modeling and prioritization for the crops to be insured and assist the crop insurance product specialists in selecting farming areas for piloting; and</p> <p>(iii) Provide other necessary information and statistical inputs related to farming and crop production, including government support and subsidies needed for designing WIBCI products.</p>	<p>Name of assignment / project: Monitoring meteorological and agricultural drought precipitation index and Markov chain model Feb 2010 to May 2012</p> <p>Year: Feb 2010 to May 2012</p> <p>Location: Bangladesh</p> <p>Client: Dept. of Environment Science, Jahangirnagar University</p> <p>Main project features: Assessed meteorological and agricultural drought dynamics</p>
	<p>Name of assignment / project: Time Series Analysis of Causal Relationship Among Bangladesh</p> <p>Year: June 2010 to Jan 2011</p> <p>Location: Bangladesh</p> <p>Client: Eastern University, Bangladesh and Yunnan University of Finance and Economics Kunming, Yunnan, P.R. China.</p> <p>Main project features: The objective of this study was to examine the causal relationship between agricultural output for Bangladesh using time series data from 1972 to 2008.</p>
	<p>Name of assignment / project: Spatio- Temporal Variations of Agricultural Drought at Barind Region, Bangladesh: An Application of Markov Chain Model. Irrigation and Drainage</p> <p>Year: Oct 2008 to June 2010</p> <p>Location: Bangladesh</p> <p>Client: Dept. of Environment Science, Jahangirnagar University.</p> <p>Main project features: Trend analysis of Spatio- Temporal Variations of Agricultural Drought at Barind Region</p>
	<p>Name of assignment / project: Stochastic modelling of daily rainfall at Naogaon district in Bangladesh: A comparative study</p> <p>Year: : June 2007 to Jan 2008</p> <p>Location: Bangladesh</p> <p>Client: Eastern University, Bangladesh.</p> <p>Main project features: Developed a crop simulation mode</p>
	<p>Name of assignment / project: Forecasting Estimated Gram Crops in Rainfed Agriculture of Bangladesh</p> <p>Year: June 2007 to Jan 2008</p> <p>Location: Bangladesh</p> <p>Client: Eastern University, Bangladesh</p> <p>Main project features: To identify potential areas and production from rain-fed agriculture in Bangladesh</p>
	<p>Name of assignment / project: Characterization and frequency analysis of consecutive days maximum rainfall at Boalia, Rajshahi, Bangladesh</p> <p>Year: June 2007 to Jan 2008</p> <p>Location: Bangladesh</p> <p>Client: Eastern University, Bangladesh</p> <p>Main project features: To identify the areas of agricultural development and construction of drainage systems in Boalia as a long term sustainable Agriculture & environmental strategy for Bangladesh.</p>
	<p>Name of assignment / project: Estimation of the Probability of Rainfall Characteristics for the Agriculture Development in Bangladesh: Using Logistic Regression Technique</p>

	<p>Year: June 2007 to Jan 2008 Location: Bangladesh Client: Eastern University, Bangladesh Main project features: To compare the actual results and simulation results of rainfall from January to December for the Agriculture Development in Bangladesh</p>
	<p>Name of assignment / project: Empirical Mode Decomposition Analysis of Climate Changes with Special Reference to Rainfall Data Year: November 2004 to June 2005 Location: Client: Tokyo University, Japan Main project features: Analyze the effect of global warming along with decadal climate variability contributes not only to the more extreme warm events, but also to more frequent, long lasting drought and flood</p>
	<p>Name of assignment / project: Latin hypercube sampling approach to identify the susceptibility parameters of crop growth simulation model Year: Feb 2004 to July 2004 Location: Bangladesh Client: Department of Stataistics, University of Rajshahi, Bangladesh. Main project features: To identify the susceptibility parameters of crop growth simulation model in Bangladesh</p>
	<p>Name of assignment / project: Statistical Analysis of Structure of Prices and Its Implication for Food Policy of Bangladesh Year: Feb 2003 to Sept 2003 Location: Bangladesh Client: Department of Statistics, University of Rajshahi, Bangladesh. Main project features: To test the existence of structural change in rice relative price and access to non-cereal food for the well being of the poor for the developing an effective domestic food policy</p>
	<p>Name of assignment / project: Early Warning and Food Information System Project</p>
	<p>Year: March 2001 to Oct 2002</p>
	<p>Location: Bangladesh</p>
	<p>Client: Ministry of Food, Government of Bangladesh.</p>
	<p>Main project features: To improve database for implementing early warning and food information system; To develop modeling system for improve PFDS, Storage system and help early warning; To Strengthen the Human Resource of FPMU staff and other related organizations</p>
	<p>Name of assignment / project: Study of Asymptotic Behaviour of Rainfall Distribution in Rajshahi. Year: March 2001 to Dec 2001 Location: Bangladesh Client: Department of Stataistics, University of Rajshahi, Bangladesh. Main project features: Developed model & analyze Asymptotic</p>

	Behaviour of Rainfall Distribution in Rajshahi for efficient planning and execution of water programs for agricultural development and environmental strategies in Bangladesh.
	<p>Name of assignment / project: Analysis of weekly rainfall data in determining drought-proneness. Discrete Dynamics in Nature and Society</p> <p>Year: March 2000 to June 2001</p> <p>Location: India</p> <p>Client: Indian Statistical Institute (ISI), Kolkata, India.</p> <p>Main project features: Developed a long term drought mitigation strategy- contributes toward a better understanding of the climatology of drought in a major drought-prone region of the world.</p>
	<p>Name of assignment / project: Validation, uncertainty and sensitivity analysis of crop growth simulation model for Barind in Bangladesh.</p> <p>Year: July 1997 to March 1998</p> <p>Location: Bangladesh & UK</p> <p>Client: University of Newcastle upon Tyne, UK.</p> <p>Main project features: Uncertainty and sensitivity analysis of crop growth simulation model for Barind in Bangladesh</p>

Contact information: Email: rmsayedur@gmail.com and Phone: Cell: 01715360318.

1. Rajshahi University, http://rurfid.ru.ac.bd/ru_profile/public/teacher/22600601/profile
2. Bangladesh Krishi Bank, https://krishibank.gov.bd/site/view/officer_list_category/16526
3. NorthSouthUniversity, <https://www.northsouth.edu/faculty-members/sbe/mgt/m-sayedur-rahman.html>
4. Eastern University, <https://www.easternuni.edu.bd/facultyMemberDetails/1421>
5. North Bengal International University, <https://nbiu.edu.bd/administration/vice-chancellor.html>



(Prof. Dr. M Sayedur Rahman)