

Faculty Profile

Name: Dr. Ajit Goswami, M.Sc., PGDCA, M.Phil, PhD

Designation: Assistant Professor

Specialization: Statistical Quality Control, Operation Research

Address : Department of Statistics
DHSK Commerce College
Dibrugarh, Assam

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Teaching Experience: 3 years

Course and Subject Taught:

Courses	Subject
H.S.	Commercial Mathematics and Statistics & Mathematics
B.Com	Business Statistics, Business Mathematics, Basics of Academic Project Preparation
M.Com	Statistics, Research Methodology

Publications:

- (1) Sonowal R and Goswami A (2018): “**Entrepreneurship Development in Sonowal Kachari Autonomous Council area of Assam for creating sustainable livelihood: Prospects, Challenges and Policy Measures.**”, **International Journal of Innovative Knowledge Concepts**, 6(10), 88-93
- (2) Sonowal R. and Goswami A (2015): “**Opportunistic Infection in HIV Seropositive Patients: A Study in a Tertiary Hospital in Assam, Northeast India**”, **Scholars Journal of Applied Medical Sciences (SJAMS)**, Vol. 3 (1C), 206-208, ISSN 2320-6691.
- (3) **Goswami A.** and Sonowal R (2014). “**Bio-Social Profile of HIV Positive People Registered at the ICTC of a Tertiary Hospital in Assam, India**”, **Indian Journal of Applied Research**, Vol. 4(8), 19-21, August, ISSN 2249-555X
- (4) **Goswami A.** and Dutta H. Nr. (2014). “**A Study on ARL Performance of EWMA Control Chart**”, **Asian Journal of Current Engineering and Maths**, Vol. 3 (4), 39-41, July-August, ISSN 2277-4920
- (5) **Goswami A.** and Dutta H. Nr. (2014). “**Uses of Control Charts for Healthcare Practitioners using Count data**”, **Far East Journal of Theoretical Statistics**, Vol. 46 (2), 75-89, ISSN 0972-0863
- (6) Das Hiranya K, **Goswami Ajit**, Sonowal Ripunjoy and Das Mintu K. (2014). “**Assessment of HIV/AIDS Sero Positivity Rate in the State of Nagaland, North-**

East India.”, **International Research Journal of Medical Sciences**, Vol. 2(3), 17-23, March ISSN 2320-7353

- (7) **Goswami A. and Dutta H. Nr. (2014).** “**Studies on EWMA Control Chart in presence of Autocorrelation.**” **International Journal of Scientific & Engineering Research**, Vol. 5, Issue 1, January-2014, ISSN 2229-5518.
- (8) **Goswami A. and Dutta H. Nr. (2013).** “**Some Studies on Normal and Non-normal Process Capability Indices.**” **International Journal of Mathematics and Statistics Invention (IJMSI)** E-ISSN: 2321 – 4767 P-ISSN: 2321 – 4759, Volume 1 Issue 2 | December. 2013| PP-31-40
- (9) **Goswami A. and Dutta H.Nr. (2013):**“**Time Series Approaches to Statistical Process Control**”, **International Journal of Innovative research in Computer Science & Technology (IJRCST)**, Vol. 1(2), ISSN 2347-5552.
- (10) **Dutta H. Nr. and Goswami A. (2013).** “**The use of SPC tools in Health care Monitoring- Bibliography & Literature Survey.**” **The Aligarh Journal of Statistics**, Vol. 33,11-31 ISSN 0971-0388.
- (11) **Goswami A. and Sonowal R (2011).** “**A Statistical Analysis of Road Traffic Accidents in Dibrugarh City, Assam, India.**” **Inter Stat**, an International E-Research Journal of Statistics, ISSN 1941-689X, September, 2011.
- (12) **Goswami A. and H.Nr.Dutta (2009).** “**Studies on Process Capability Indices: An Empirical Study in a Chemical Industry in Assam.**”**Assam Statistical Review A Research Journal of Statistics**, Department of Statistics Dibrugarh, Assam, Vol. 23, No.1-2; 122-139.

A. Publications (in Book with ISBN)

- (1) **Mahanta S. and Goswami A. (2014).** “**A Statistical Analysis of School Examination Results Data.**” **Mosaic**, Research Publication, August, 2014, ISBN: 978-93-82283-91-1
- (2) **Goswami A. (2015).** “**Application of Statistical Quality Control Charts for healthcare Practitioners**” **Health Education**, Research Publication, APH Publishing corporation, Ansari Road, Darya Ganj, New Delhi-110002, ISBN: 978-93-313-2482-5
- (3) **Sonowal R. and Goswami A. (2016).** “**An Assessment of Awareness on Health among Rural Out-of School Adolescent Girls in Dibrugarh, Assam.**” **Research Issues and Solution**, A book on Multiple Disciplines, Kasturi Prakaxaan, Ghy-21, ISBN: 978-93-5105-233-3.
- (4) **Goswami A. (2016).** “**Implementation of Statistical Process Control (SPC) techniques in production of Urea: A special reference to Hindustan Fertilizer Corporation (HFC) Limited, Namrup, India**”, **Dimension of Multidisciplinary Research**, IQAC Cell, Harhi College, Dhakuakhana, Assam, Kasturi Prakaxaan, Ghy-21, ISBN: 978-93-5105-260-9.

- (5) Goswami A. (2018). “ *Application of Process Capability Analysis Techniques in Industrial Management System*”, **Emerging Trends in Multidisciplinary Research**, Kasturi Prakaxaan, Ghy-21, ISBN: 978-93-5105-359-0
- (6) Mahanta S & Goswami A (2020). “*Analysis of Multiple Vacation Policy on M/G/I Queuing System*”, Recent Advances in Multidisciplinary Research-Issues and Perspectives, , Mittal Publications, Daryaganj, New Delhi. ISBN-81-8324-984-1.

Seminar / Workshop / Training attended & Paper presented

- Participated in a one day International webinar on “Recent Advances in Statistics” organised by Department of Mathematics, Institute of Science, GITAM, Visakhapatnam, Andhra Pradesh, India on 29th June 2021.
- Participated in a one week online workshop on Statistical Inference held during 24-28 August, 2020 organised by the Department of Statistics, Dibrugarh University, Dibrugarh, Assam, India.
- Participated in a national webinar on “ National Education Policy, Autonomy Status: Challenges & Opportunities” organised by Rani Parvati Devi College of Arts & Commerce, Belagavi, Karnataka held on 8th August 2020.
- Participated in a national webinar on “ Career Opportunities after Covid-19” organised by KSA BARNS College of Arts, Science and Commerce, Panvel on 5th August, 2020.
- Participated in a One week Online International Faculty Development Program on “ Recent Advances in Mathematics & Statistics” in Connection with the Birth Centenary of Prof. C.R. Rao, jointly organised by Department of Mathematics, Institute of Science and center for Learning & Sustainability, GITAM, Visakhapatnam, Andhra Pradesh, India from 3rd August 2020 to 8th August 2020.
- Participated and attended five-day online International Faculty Development Programme on “Role of Applied Sciences in Industry & Engineering organised by Department of Mathematics, University College of Engineering, Osmania University Hyderabad-500007 in association with APTSMS conducted from 2nd August to 6th August 2020.
- Participated and attended a one day National webinar on Effect on Social Relations after COVID 19 Pandemic organised by the Department of Sociology of the College on 02-08-2020.
- Participated in a GASS National Research Video webinar on “Non-Probability sampling and Sample size Determination on August 2, 2020 organised by the Bhopal School of Social Sciences, Bhopal in Collaboration with the Global Association of Social Sciences, Indore, Madhya Pradesh.
- Attended a One Day National level webinar on “Atmanirbhar Bharat-an opportunity for Indian entrepreneurs in post Covid era” held on 1st August 2020 organised by Department of Commerce, K.L.E Society’s Arts, Science and Commerce College, Chikodi.
- Participated in a webinar on Role of NSS during and after Pandemic organised jointly by Dibru College NSS unit and Internal Quality Assurance Cell, Dibru College, Dibrugarh, Assam on July 31, 2020
- Participated in the three day Online International workshop on “Design, Develop and Implement Online Teaching”, scheduled during 29, 30 & 31 July, 2020 organised by

Discipline of Education Under SKBSSS, Krishna Kanta Handiqui Sate Open University, Guwahati, Assam.

- Participated in an online webinar on Relevance of Ancient Indian Wisdom in the Context of Global Pandemic jointly organised by Department of Sanskrit & Department of Philosophy o 24th July, 2020.
- Participated in a National webinar on Anthropological Understanding of COVID-19 organised by IQAC, Nandalal Borgohain City College, Dibrugarh, Assam, India in Collaboration with Department of Anthropology, Nandalal Borgohain City College, Dibrugarh, Assam, India held on 16th July, 2020.
- Participated in an International webinar on Post Pandemic Challenges to Liberal Democratic Institutions in South Asia organised by IQAC, Nandalal Borgohain City College, Dibrugarh, Assam, India in Collaboration with Department of Education & Political Science, Nandalal Borgohain City College, Dibrugarh, Assam, India held on 15th July, 2020.
- Participated in a three day Online workshop on “Capacity Building of Academic Counsellors of KKHSOU”, organised by Krishna Kanta Handiqui State Open University, Guwahati, Assam, in collaboration with Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi scheduled during 16, 17 & 18 June, 2020.
- Participated in an innovative Webinar Session on “Creating interactive e-learning Content” organised by Department of Computer Engineering, Universal College of Engineering, Kaman, Maharashtra in association with IQAC on 1st June 2020.
- Participated in a National Webinar on Academic and Research Integrity” organised by Naharkatiya College in collaboration with Library & Information Science Professionals Association(IISPA), Assam held on 27th -28th May, 2020.
- Participated in the session 7 of Skycampus on the theme “Accelerating Industry 4.0-A Post Covid Paradigm” conducted by ICT Academy from 25-27 May, 2020.
- Participated and Presented a research paper entitled “A study on knowledge and awareness toward Covid-19 among NSS volunteers of DHSK Commerce College, Dibrugarh, Assam.” in Online Conference “Study on COVID-19” organised by Society for Environmental Resources and Biotechnology Development, India & Electromeopathy Research Foundation, India from 01-15 May 2020
- Participated in a one week national workshop on “Quantitative Techniques and Use of Statistical Software in Research (QTSSR)”, organized by Department of Statistics, Dibrugarh University held during 3-7 December, 2019.
- Participated in a national symposium on “Bank Products, Consumer and Benefit”, organized by ACTA Dibrugarh zone in collaboration with ACTA, MDKG College teachers unit held on 13th November, 2019.
- Participated in a annual academic talk of Assam College teachers association on “Future of Public Funded Education in India vis-à-vis National Education Policy 2019” organized by ACTA Dibrugarh Zone.
- Attended and participated in a faculty development programme on the topic Behavioral Remodeling and Use of ICT Tools for Classroom Delivery of Teachers w.e.f. 01-06 July, 2019, organized by Electronics & ICT Academy, IIT, Guwahati.
- Participated in a one day National level Workshop on 22nd June, 2019 on Intellectual Property Rights, Organized by IQAC, DHSK Commerce College.

- Participated in a one day Programme on 13th Annual Conference of ACTA, Dibrugarh Zone held at Khowang College on 14th June, 2019.
- Attended, participated and presented a research paper entitled “Application of Control Chart in a Chemical product Manufactured in Assam Petrochemical Limited (APL), Namrup, Assam” in the International Conference on “Computational Mathematics & Statistics” organized by Department of Mathematics & Statistics, Banasthali University, India and co-organized by Department of Mathematics, Universiti Putra Malaysia, Malaysia, during January 24-26, 2017.
- Participated in a two days Workshop on “Research paper and Project Proposal Writing” conducted by the DURSA and held at Dibrugarh University, Assam, during 2^{4th} and 2^{5th} October, 2016.
- Attended, participated and presented a research paper entitled “A Demographic study on Child Morbidity and Mortality Pattern in a Semi-rural setting of Dibrugarh, Assam” in the UGC Sponsored National Seminar on “Child Health in India with special reference to North-East India” organized by Department of Anthropology, DHSK College, Dibrugarh in collaboration with Bal Sakha, Assam on 2nd & 3rd May, 2015.
- Participated in a three days National Workshop on “Stochastic Modeling in Physical and Biological Sciences in Honour of Prof. J. Medhi” conducted by the IASST, Guwahati and held at Institute of Advanced Study in Science and Technology, during 5-7 February 2015.
- Attended, participated and presented a research paper entitled “A study on ARL performance of EWMA Control Chart” in the National Seminar on “Recent Developments in Statistics and its Applications in Allied Disciplines” organized by Department of Statistics, Dibrugarh University, Dibrugarh w.e.f. March 21-22, 2014.
- Participated in a five days Workshop on “Data Mining” conducted by the Applied Statistics Unit of the Indian Statistical Institute, Kolkata and held at Dibrugarh University, Assam, during 3-7 February 2014.
- Attended, participated and presented a research paper entitled “Some studies on Normal and Non-Normal Process Capability Indices” in Golden Jubilee National Conference on “Recent Advances in Statistics and Applications” organized by School of Studies in Statistics, Pt. Ravishankar Shukla University, Raipur (C.G.) w.e.f. November 15-17, 2013 held at Raipur.
- Attended, participated and presented a research paper entitled “Usage of Basic Statistical Quality Control Charts for Healthcare Practitioners” in UGC Sponsored National Seminar on “Recent Trends in Mathematics and its applications (RTMA-2013)” organized by Digboi College, Digboi in collaboration with Department of Mathematics, Dibrugarh University, Dibrugarh on 7th & 8th, October, 2013.
- Participated in a one day Data Dissemination Workshop on Houses, Household Amenities and Assets, CensusInfo & Primary Census Abstract, Census of India, 2011 held on 29th September, 2013 at Dibrugarh University, Organized by Directorate of Census Operations, Assam
- Attended, participated and presented a research paper entitled “Bio-Social Profile of HIV/AIDS Positive People Registered at the Integrated Counseling and Testing Centre of a Tertiary Care Hospital in Upper Assam, India” in UGC Sponsored National Seminar on “Mathematics-its Interdisciplinary Approaches in Modern

Curriculum” organized by Department of Mathematics, Devicharan Barua Girls’ College, Jorhat in collaboration with Devicharan Barua High School, Jorhat on 30th & 31st, August, 2013.

- Attended, participated and presented a research paper entitled “Uses of Control Charts for Healthcare Practitioners Using Count Data” in UGC Sponsored National Seminar on “Contemporary Issues of Mathematics and Statistics (NSCIMS)” organized by Department of Mathematics & Department of Statistics, Gargaon College on 22nd & 23rd March, 2013.
- Attended, participated and presented a research paper entitled “*Time Series Approaches to Statistical Process Control*” in International Conference on “Recent Advances in Mathematical Statistics and its Applications in Applied Sciences” organized by Department of Statistics, Gauhati University in collaboration with Indian Statistical Institute, Kolkata on December 31, 2012 to January 2, 2013.
- Participated in a three days National Workshop w.e.f. 17-19 December, 2012 on SQC & OR Practices using Computer Software, Organized by the SQC & OR Unit, Indian Statistical Institute, Kolkata & Janata College, Kabuganj, Cachar.
- Attended, participated and presented a research paper entitled “*Variable Sampling Interval Control Charts for Attributes*” in the XXXI Annual Convention of Indian Society for Probability and Statistics (ISPS) and International Conference on Statistics, Probability and Related Areas organized by Department of Statistics, Cochin University of Science and Technology, Cochin 682 022, Kerala, India on 19th -22th December, 2011.
- Attended, participated and presented a research paper entitled “*The use of SPC tools in Health care Monitoring- Bibliography & Literature Survey*” in the National Seminar on Biostatistics organized by Department of Statistics, Dibrugarh University, Dibrugarh, Assam, India on 26th November, 2011.
- Attended, participated and presented a research paper entitled “*Sexual Behaviour and Contraceptive use among HIV +ve people registered under Assam Medical College & Hospital, Dibrugarh*” in a Training Workshop Cum Seminar on “Sexual Behaviour & Contraceptive Use among HIV positive people” organized by Regional Medical Research Centre (ICMR), N. E. Region, Dibrugarh, Assam & National Institute of Research in Reproductive Health (ICMR), Mumbai on 26th -28th April, 2011.
- Attended, participated and presented a research paper entitled “*Control Chart Modeling under Auto-Correlation: Review of Literature and Analysis of Some Models using Health Care Statistics*” in International Seminar on “International Congress on Productivity, Quality, Reliability, Optimization and Modelling” jointly organized by Indian Statistical Institute, Quality Council of India & Defence Research and Development Organization in New Delhi on 07-08 February, 2011.
- Participated in a two day International Workshop w.e.f. 04-05 February, 2011 on Six Sigma, Lean Philosophy & Taguchi Methods, Organized by the Indian Statistical Institute, New Delhi.
- Attended, participated and presented a research paper entitled “*Taguchi Methods in achieving variability reduction and use of Loss function in Control Chart Models*” in International Seminar on “International Congress of Mathematicians Satellite International Conference on Probability And Statistics” organized in the Department

of Statistics & Department of Mathematics, Sambalpur University, Jyoti Vihar, Orissa, India on 1-3 September, 2010.

- Participated in a three days Orientation Programme cum Training Workshop w.e.f. 17th –19th March, 2010 on Green Belt Course On Six Sigma Methodology, Organized by SQC and OR Unit Indian Statistical Institute, Bangalore.
- Attended, participated and presented a research paper entitled “*Health Problems of the Male vs. Female Aged in Rural Setting: A Comparative Study*” in a UGC sponsored National Seminar on “Biostatistics” organized in the Department of Statistics, Dibrugarh University, Dibrugarh, Assam on 26-27 February, 2010.
- Attended and participated in a training Programme in the SPSS 16.0 Faculty development Programme organized by SPSS South Asia and department of statistics Dibrugarh University, Dibrugarh Assam on 19-20 sep. 2008.

Any Other:

- Worked as an Editor of a research book entitled-“Recent Advances in Multidisciplinary Research-Issues and Perspectives”, ISBN-81-8324-984-1, Mittal Publications, Daryaganj, New Delhi.
- Worked as an Editor of a research book entitled Dimension of Multidisciplinary Research published by IQAC Cell, Harhi College, Dhakuakhana, Assam, Kasturi Prakaxaan, Ghy-21, ISBN: 978-93-5105-260-9
- Member of an Editorial board of a Journal entitled – Glacier Journal of Scientific research published from Ahmedabad, Gujarat.