

Aliah University

Academic and Administrative Audit

Academic Year: 2021-2022

Department: Mathematics and Statistics



The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

1] Name: JOYDEEP SENGUPTA

2] Designation: Associate Professor

3] Qualification: M.Sc. (KU), Ph.D. (KU)

4] Teaching experience (in years): UG: 19 years, PG: 15 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 16

7] Number of Research Projects/ Publications/ Study material developed during The academic year: 2

- i. On f -rectifying Curves in the Euclidean 4-space; jointly with Zafar Iqbal; to Acta Universitatis Sapientiae, Mathematica, Vol. 13, No 1, 2021, pp 190-206. DOI: 10.2478/ausm-2021-0011. ISSN: 2066 7752; 1844 6094
- ii. A Study of f -rectifying Curves in the Euclidean n -space E^n ; jointly with Zafar Iqbal. Universal Journal of Mathematics and Applications, Dergiperk. Vol. 4, No. 3, 107-113. DOI: <https://doi.org/10.32323/ujma.937479>, ISSN 2619-9653

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized):

- i. Attended NASI-TMC Summer School in Differential Geometry organised by Department of Mathematics and Statistics, Central University of Punjab, held on 05th to 24th July, 2021.

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee, Department of Mathematics and Statistics, AU	Chairman	Attended all meetings and performed all assigned duties.
Board of Studies in Mathematics and Statistics, AU	Chairman	Attended all meetings and performed all assigned duties.
Departmental Research Committee, Department of Mathematics and Statistics, AU	Chairman	Attended all meetings and performed all assigned duties.
Board of Research Studies, AU	Member	Attended all meetings and performed all assigned duties.
Academic Council, AU	Member	Attended all meetings and performed all assigned duties.

10] Other responsibilities (Please specify, add rows if required):

1	Chairman, Signage Committee, New Town Campus, AU
2	Member, Anti-ragging Squad



3 Member, Screening Committee, Recruitment of Several Non-teaching Posts

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Information about Teaching Members (to be filled by individual Teaching member)

Prof. Babulal Seal

1] Name: **Babulal Seal**

2] Designation: **Professor**

3] Qualification: **M. Stat., Ph.D.**

4] Teaching experience (in years): **33 years**

5] Industry experience (if any in years): **NIL**

6] Number of teaching hours per week: **12**

7] Number of Research Projects/Publications/
Study material developed during the academic
year (provide list in separate sheet):

The academic year (provide list in separate sheet): **5**

- i. S. Bhunia, B. Seal, P. Banerjee; A Pseudo Estimation of Variance using Prior Information with Unknown Shape Parameter: A Study in Normal Case, Thailand Statistician, 2022.
- ii. P. Banerjee, B. Seal; Partial Bayes estimation of two parameter Gamma distribution under non-informative prior, Statistics, Optimization & Information Computing, 10(4), 1110–1125, 2022.
- iii. B. Seal, P. Banerjee; Partial Bayes Estimation in a Normal Family, Thailand Statistician., 2022.
- iv. A. Goswami, and B. Seal; Stress-strength Reliability for Equi-correlated Multivariate Normal and its estimation, STRESS-STRENGTH RELIABILITY FOR EQUI-CORRELATED, 17(4), 249-267, 2022.
- v. A. Goswami, and B. Seal; Stress-Strength Reliability for First-Order Autoregressive Multivariate Normal Distribution and Its Estimation, International Journal of Statistics and Reliability Engineering, 9(3), 530-540, 2022.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	Various activities as per need and as directed by Head of the Department.
Board of Studies	Member	Preparing syllabus and various responsibilities regarding

		curriculum, examination etc.
Departmental Research Committee	Member	As per requirement

10] Other responsibilities (Please specify, add rows if required):

1.	Dean, Faculty of Science and Technology
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

Prof. Sk Monowar Hossein

1] Name: **Prof. Sk Monowar Hossein**

2] Designation: Professor

3] Qualification: M. Sc., Ph.D.

4] Teaching experience (in years): 22 years

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 12

7] Number of Research Projects/Publications/
Study material developed during the academic
year (provide list in separate sheet):

The academic year (provide list in separate sheet): **0**

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	Various activities as per need and as directed by Head of the Department.
Departmental Research Committee	Member	Various activities as per need and as directed by Head of the Department.
Board of Studies	Convenor	Preparing syllabus and various responsibilities regarding curriculum, examination etc.

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

Prof. Nurul Huda Gazi

1] Name: **Prof. Nurul Huda Gazi**

2] Designation: Professor of Mathematics

3] Qualification: M.Sc., M.Tech., Ph.D.

4] Teaching experience (in years): 20 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 14

7] Number of Research Projects/Publications/Study material developed during the academic year (provide list in separate sheet): 01

- i. A. Saikh, NH Gazi, The effect of the force of infection and treatment on the disease dynamics of an SIS epidemic model with immigrants, <https://doi.org/10.1016/j.rico.2021.100007>, **Results in Control and Optimization**, 2 (2021), 100007

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars / Workshops / lectures / field visits organized): Nil

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
DC	Chairperson	Organised several meetings with faculty members for smooth running of the departments
BOS	Chairperson	Constituted New BOS and Got approved from the Hon'ble Vice Chancellor
NAAC	Member	Attended many meetings, prepared NAAC matric
IQAC	Member	Attended several meetings and suggested for framing rules and regulations
CAS	Chairman	Attended CAS meeting organized by the University Authority for promotion of faculty members
Recruitment	Member	Worked as member for Recruitment Board of the University for recruitment of Teaching and Non-teaching staff
Library	Member	For management of the library

NPTEL Aliah University Chapter	Member	
DRC, Maths & Stats	Chairman	Conducted meetings and suggested means and ways to smooth functioning of the same.
DRC, Chemistry	Member	Attended meeting and advised for betterment of the research activities in the issue of selecting directly admitted PhD students
DRC, MBA	Member	Attended meeting and suggested for carrying our course works and other activities of the PhD students
DSC, CSE	Member	Attended meetings for several activities of the PhD students

10] Other responsibilities (Please specify, add rows if required):

1	Took leading role in management of the almost 300 students of the Department
	Lead the Department with the Faculty members to make a difference with other Departments of the University
2	Prepared Annual Budget of the Department

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Dr. Sk. Md. Abu Nayeem

1] Name: Sk. Md. Abu Nayeem

2] Designation: Associate Professor

3] Qualification: M.Sc., Ph.D.

4] Teaching experience (in years): 16 Years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 14 Hours

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): 2 Publications (List Attached)

8] Contribution to enrich quality of teaching-learning

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during the academic year: Nil

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	Attended different meetings and acted upon those for smooth running of the department.
BoS of the Department	Member	Attended meetings of the BoS to frame UG and PG syllabi and on other issues
BoS, Dept. of CSE	External Member	Attended meetings of the BoS to frame UG and PG syllabi.
DRC	Convenor	Conducted DRC meetings to form DSC of the Ph.D. students, Registration Seminars, Pre-submission Seminars, etc.
Maintenance Committee	Chairman	Conducted meetings and acted upon those regarding different maintenance issues of the university.
Computer Network Committee	Member	Attended several meetings of the committee.

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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2	

List of Publication during July 2021 to June, 2022

- i. A_α spectra of graphs obtained by two corona operations and A_α cospectral graphs; MA Sahir, SM Abu Nayeem; Discrete Mathematics, Algorithms and Applications 14 (02), 2150112, 2022
- ii. On Kirchhoff index and number of spanning trees of linear pentagonal cylinder and Mobius chain graph; M Sahir, S Nayeem, M Abu, arXiv preprint arXiv:2201.10858, 2022

Dr. Sumana Pal

1] Name: **Dr. Sumana Pal**

2] Designation: Associate Professor

3] Qualification: M. Sc., Ph.D.

4] Teaching experience (in years): **22 years**

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 14

7] Number of Research Projects/Publications/
Study material developed during the academic
year (provide list in separate sheet):

The academic year (provide list in separate sheet): **1**

- i. Valuations on Ternary Semirings. S Pal, J Sircar, P Mondal, Kyungpook Mathematical Journal 62 (1), 57-67, 2022

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	Various activities as per need and as directed by Head of the Department.
Departmental Research Committee	Member	Various activities as per need and as directed by Head of the Department.
Board of Studies	Convenor	Preparing syllabus and various responsibilities regarding curriculum, examination etc.

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

Dr. Sadek Hossain Mallik

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1] Name: Sadek Hossain Mallik

2] Designation: Associate Professor

3] Qualification: Ph. D (Sc.)

4] Teaching experience (in years): 14 Yrs

5] Industry experience (if any in years): NIL

6] Number of teaching hours per week: 14 Hrs

7] Number of Research Projects/Publications/Study material developed during The academic year (provide list in separate sheet): 2

- i. Time-nonlocal six-phase-lag generalized theory of thermoelastic diffusion; MAK Molla, SH Mallik; Mechanics Based Design of Structures and Machines, 1-19, 2022
- ii. Time-nonlocal six-phase-lag generalized theory of thermoelastic diffusion with two-temperature; MAK Molla, SH Mallik; Waves in Random and Complex Media, 1-24, 2021

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars / Workshops / lectures / field visits organized): NIL

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Purchase Committee	Convenor	Convened several meetings to initiate and execute purchase process for different items for the Department
Computer Purchase Committee	Member	Attended several meetings for preparing various tender documents for the purchase of different items for different Academic and Administrative Departments of the University
DRC	Member	Attended several meetings on the process of awarding PhD degree
DC	Member	Attended several meetings organised by HOD for smooth running of the Department
BOS	Member	(i) Attended several meetings for framing PG CBCS syllabus (ii) Courses designed and revised
Aliah University Admission Test (AUAT-2022)	Vice-Chairman	Played a significant role in AUAT-2022

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):





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Dr. Sahabuddin Sarwardi

1] Name: **Dr. Sahabuddin Sarwardi**

2] Designation: Assistant Professor

3] Qualification: Ph.D.

4] Teaching experience (in years): 13 Years

5] Industry experience (if any in years): N.A.

6] Number of teaching hours per week: 16 Hours

7] Number of Research Projects/Publications/
Study material developed during

The academic year (provide list in separate sheet): 7

- i. M Sajid*, S Sarwardi, AS Almohaimeed, S Hossain (2022). Complex dynamics and Bogdanov-Takens bifurcations in a retarded van der Pol-Duffing oscillator with positional delayed feedback. *Mathematical Biosciences and Engineering* (AIMS), Vol. 20 (2), 2874-2889.
- ii. S Sarwardi, S Hossain, M. Sajid, A.S. Almohaimeed (2022). Analysis of the Bogdanov-Takens bifurcation in a retarded oscillator with negative damping and double delay. *Mathematics* (AIMS). Vol. 7 (11), 19770-19793.
- iii. Hafizul Molla, Sahabuddin Sarwardi, Stacey R. Smith, Mainul Haque*. (2022). Dynamics of adding variable prey refuge and an Allee effect to a predator-prey model. *Alexandria Engineering Journal* (Elsevier). Vol. 61(6), 4175-4188.
- iv. Sajjad Hossain, Manarul Haque, Md. Humayun Kabir, Md. Osman Gani, Sahabuddin Sarwardi*. (2021). Complex spatiotemporal dynamics of a harvested prey-predator model with Crowley-Martin response function. *Results in Control and Optimization* (Elsevier). Vol. 5. 100059.
- v. Hafizul Molla, Md. Sabiar Rahman, Sahabuddin Sarwardi* (2021). Dynamical study of a prey-predator model incorporating nonlinear prey refuge and additive Allee effect acting on prey species. *Modeling Earth Systems and Environment* (Springer), Vol. 7(2), pp. 749-765.
- vi. Nawaj Sarif, Sahabuddin Sarwardi* (2021). Analysis of Bogdanov-Takens Bifurcation of Codimension two in a Gause-Type Model with Constant Harvesting of Both Species and Delay Effect. *Journal of Biological Systems*. (World Scientific), Vol. 29, No. 03, pp. 741-771.

Research Project: (Ongoing)

1	Mathematical and Numerical Simulations of a Class of Strongly nonlinear Damped Harmonic Oscillator with Multiple Delays.	DEANSHIP OF SCIENTIFIC RESEARCH (DSR), QASSIM UNIVERSITY, BURAIDAH, P.O. BOX 6666-51452, KSA	Research Project No. 10367-cos-2020-1-3-I Dated: 13.08.2020	76600 Riyal (Rs. 15,23,064/-). Fifteen Lakh Twenty Three Thousand Sixty Four Only
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8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars / Workshops / lectures / field visits organized): 3

- i. Online Workshop on Emerging Areas in Mathematics (WEAM-2021): One Week Faculty Development Programme, organized by Calcutta Mathematical Society during 10th July to 17th July, 2021.
- ii. Faculty Development Programme on Biology and BioStatistics, organized by Department of Mathematics and Department of Statistics, Amity University, Kolkata, 26th July to 30th July, 2021.
- iii. Two Weeks Interdisciplinary Refresher Course (RC) on Research and Methodology, organized by TLC Ramanujan College, University of Delhi, 22th December, 2021 to 5th January, 2022.

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	As per requirement
Departmental Research Committee	Member	As per requirement
Board of Studies, Department of Mathematics and Statistics	Member	As per requirement
Training and Placement Committee	Member	Career Counselling, Providing Training for Soft Skill Development, English Communication and Subject Knowledge Enhancement. Arranging on and off campus drive etc.
MatLab Committee	Member	Procurement of MatLab Software for the Science and Engineering Departments

10] Other responsibilities (Please specify, add rows if required):

1	Departmental Coordinator for the purchase of Books and Journal
2	Member Departmental Purchase Committee

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Dr. Imrul Kaish

1] Name: Imrul Kaish

2] Designation: Assistant Professor

3] Qualification: M.Sc., Ph.D.

4] Teaching experience (in years): 12 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 16

7] Number of Research Projects/Publications/
Study material developed during

The academic year (provide list in separate sheet): 05 (Paper published)

- i. Md M. Rahaman, I. Kaish, On uniqueness results for meromorphic functions sharing one small function concerning differential polynomials, The Journal of Analysis, 30(1)(2022), 369-383.
- ii. Md. N. Islam, I. Kaish, Md. N. Akhtar, M. A. Navascues, Fractal Sobolev systems of functions associated with orthonormal systems of functions, Asian-European Journal of Mathematics, 15(11)(2022).
- iii. I. Kaish, N. Gazi, An entire function sharing a small function with its linear differential polynomial, Calcutta Mathematical Society, 114(3), 253-268.
- iv. N. Islam, I. Kaish, Definite Integral of α fractal functions, Fractals, 30(6)(2022).
- v. I. Kaish, R. Mondal, Meromorphic functions sharing values partially with their derivatives and shifts, The Journal of Analysis, <https://doi.org/10.1007/s41478-022-00447-5>

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars / Workshops / lectures / field visits organized): Two-week Refresher Course on 'Applicable Mathematics' during 15-29, December, 2021.

9] Contribution to the growth and development of the University during the academic year:

BOS	Member	Participated several meeting for forming CBCS UG and PG syllabus.
DRC, Math and Stat	Member	Participated several meetings and performed PhD degree related activities
DC	Member	Attended several meetings organised by HOD for smooth running of the Department
Hostel Management Committee	Warden, Boys' Hostel	From 11-05-2022 to 05-09-2022
Hostel Management Committee	Vice-Chairman	From 05-09-2022
Anti-Ragging Committee	Member	Attended several meetings

10] Other responsibilities (Please specify, add rows if required):

1	Formed Departmental Time Table
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2	Conducted Semester Examination
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required): NIL

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Sajjad Hossain

1] Name: **Sajjad Hossain**

2] Designation: Assistant Professor

3] Qualification: M.Sc.

4] Teaching experience (in years): 9 Years

5] Industry experience (if any in years): N.A.

6] Number of teaching hours per week: 16 Hours

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): 3

- i. M Sajid*, S Sarwardi, AS Almohaimeed, S Hossain (2022). Complex dynamics and Bogdanov-Takens bifurcations in a retarded van der Pol-Duffing oscillator with positional delayed feedback. *Mathematical Biosciences and Engineering* (AIMS), Vol. 20 (2), 2874-2889.
- ii. S Sarwardi, S Hossain, M. Sajid, A.S. Almohaimeed (2022). Analysis of the Bogdanov-Takens bifurcation in a retarded oscillator with negative damping and double delay. *Mathematics* (AIMS). Vol. 7 (11), 19770-19793.
- iii. Sajjad Hossain, Manarul Haque, Md. Humayun Kabir, Md. Osman Gani, Sahabuddin Sarwardi*. (2021). Complex spatiotemporal dynamics of a harvested prey-predator model with Crowley-Martin response function. *Results in Control and Optimization* (Elsevier). Vol. 5. 100059.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee	Member	As per requirement
Board of Studies, Department of Mathematics and Statistics	Member	As per requirement

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Dr. Biman Chakraborty

1] Name: **Biman Chakraborty**

2] Designation: **Assistant Professor**

3] Qualification: **M. Sc., Ph.D.**

4] Teaching experience (in years): **6 years**

5] Industry experience (if any in years): **NIL**

6] Number of teaching hours per week: **16**

7] Number of Research Projects/Publications/
Study material developed during the academic
year (provide list in separate sheet):

The academic year (provide list in separate sheet): **1**

- i. Yeasmin, F., Daw, R. and Chakraborty, B., Gupta, A., Bhattacharya, S. and **Chakraborty, B.**, 2021 (November). A New Growth Rate Measure in Identifying Extended Gompertz Growth Curve and Development of Goodness-of-fit Test. Calcutta Statistical Association Bulletin 73(2), 127-145.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
National Academic Depository Cell	Convenor	Uploading Academic Certificates of the Students
Annual Report Committee	Member	Preparation of Annual Report of the University
Departmental Committee	Member	Various activities as per need and as directed by Head of the Department.
Board of Studies	Member	Preparing syllabus and various responsibilities regarding curriculum, examination etc.
Departmental Committee	Member	As per need

10] Other responsibilities (Please specify, add rows if required):

1	Acted as an external examiner for conducting the viva voice examination of the paper
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 H. Maiti





	STATGE-2, Statistics (General), Dept. of Statistics, Midnapore College on 18.06.2022.
2	Set question paper of Multivariate Analysis and Nonparametric Methods for Midnapore College in January, 2022
3	Set question paper of Actuarial Statistics for Kalyani University, April 2022

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Uses of ICT based tools for teaching and learning.
2	Motivate students for thinking, self learning, problem solving etc.

Dr. Moumita Chatterjee

1] Name: Moumita Chatterjee

2] Designation: Assistant Professor

3] Qualification: PhD in Statistics

4] Teaching experience (in years): 6 years

5] Industry experience (if any in years): 0 year

6] Number of teaching hours per week: 16 hours

7] Number of Research Projects/Publications/
Study material developed during

The academic year (provide list in separate sheet):

- i. Saloni Haldule, Moumita Chatterjee, Rudra Prosad Goswami, Innara Vadsaria, Prithvi Gaur, Chengappa Kavadihanda, Durga Prasanna Misra, Hector Chinoy, Vikas Agarwal, Rohit Aggarwal, Latika Gupta, A systematic review and meta-analysis of Mycobacterial infections in patients with idiopathic inflammatory myopathies, *Rheumatology*, 2022. <https://doi.org/10.1093/rheumatology/keac041>.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars / Workshops / lectures / field visits organized):

- i. Invited to present a paper in International Symposium on Probability and Statistics: "New Frontiers", Celebrating 75 years of Calcutta Statistical Association, organized jointly by Calcutta Statistical Association and Department of Statistics, University of Calcutta during August, 2022

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Publication Committee	Member	To contribute towards the works related to the publication of the newsletter of the university

10] Other responsibilities (Please specify, add rows if required):

1	Have prepared several questions and checked answer scripts for St. Xavier's College, KNU, BU, KU, and Midnapore College and acted as an external examiner at University of Calcutta and St. Xavier's College
2	Acting as a "Ethics Committee Member" of Institute of Pulmocare and Research

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Dr. Hare Krishna Maity

1] Name: Hare Krishna Maity

2] Designation: Assistant Professor

3] Qualification: Ph.D.

4] Teaching experience (in years): 5.5

5] Industry experience (if any in years): 0

6] Number of teaching hours per week: 16

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): 0

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars / Workshops / lectures / field visits organized):0

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Placement Committee	Member	Works with Placement team
DRC, Dept. of Geography	Member	Attended meeting and executed different decisions
NAD Cell, AU	Member	Works with the team
BOS, Dept. of Math & Stat	Member	Worked with the team

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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2	

Dr. Debashis Samanta

- 1] Name: **Dr. Debashis Samanta**
- 2] Designation: **Assistant Professor**
- 3] Qualification: **M.Sc, Ph.D**
- 4] Teaching experience (in years): **8 years**
- 5] Industry experience (if any in years): **3 years**
- 6] Number of teaching hours per week: **16 hours**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **2**

- i. Ayan Pal, Debashis Samanta, Debasis Kundu; Cure Rate Based Step-Stress Model, Journal of Statistical Theory and Practice, 2022.
- ii. Debashis Samanta, Shuvashree Mondal, Debasis Kundu; Optimal Plan For Ordered Step-Stress Stage Life Testing, Statistics, 2022.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Committee, Department of Mathematics and Statistics	Member	As per necessity
Board of Studies, Department of Mathematics and Statistics	Member	As per necessity
Departmental Research Committee, Department of Mathematics and Statistics	Member	As per requirement

10] Other responsibilities (Please specify, add rows if required):

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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Dr. Manoj




Sultan Parveen

1] Name: **Sultan Parveen**

2] Designation: **Assistant Professor**

3] Qualification: M.Sc. (Statistics), Ph.D (pursuing)

4] Teaching experience (in years): **5 years**

5] Industry experience (if any in years): **NIL**

6] Number of teaching hours per week: **16**

7] Number of Research Projects/Publications/
Study material developed during the academic
year (provide list in separate sheet):

The academic year (provide list in separate sheet):

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars / Workshops / lectures / field visits organized):

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
BoS	Member	Attended several meetings: I. for framing PG CBCS syllabus II. Courses designed and revised
Departmental Committee	Member	Performed activities as per the need of the department
Hostel Management Committee	Member	Attended meetings

10] Other responsibilities (Please specify, add rows if required):

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

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Academic Practices

Academic Practices (for the academic year: 2021-22)

1] Total number of teaching-days in the academic year: 160

2] Total number of permanent teaching staff: 15

3] Total number of permanent teaching staff with PhD: 13

4] Number of programmes offered (please specify): 06

- Doctor of Philosophy (Ph.D.) in Mathematics
- Doctor of Philosophy (Ph.D.) in Statistics
- 2 years M.Sc. in Mathematics
- 2 years M.Sc. in Statistics
- B.Sc. Honours in Mathematics
- B.Sc. Honours in Statistics

5] Number of sanctioned intake of students and
Number of actual admissions:

Intake: 240, Admission: 163

Program	Intake	Admission
M.Sc. in Mathematics (2 yrs)	60	60
M.Sc. in Statistics (2 yrs)	60	39
B.Sc. (Hons) in Mathematics	60	60
B.Sc. (Hons) in Statistics	60	4

Doctor in Philosophy (Ph.D.) -as per number of faculty members

6] How many teaching members have attended
Orientation Programme/ Refresher Course/ FDP/ Workshop/
Training Programme/ Research Methodology Course/
Capacity Building Programme etc.:

4

7] Number of Orientation Programme/ Refresher Course/ FDP/
Workshop/ Training Programme/ Research Methodology Course/
Capacity Building Programme etc. organised by the department:

NIL

8] Number of Training Programme/ Consultancy offered
By the department:

NIL

9] Number of academic collaborations made by the department:

NIL

10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2021-22)

1] Does teaching members participate in course designing?

Yes

2] Does the department have a structured Board of Studies or

similar academic body to design/ expand/ modify course content?	Yes
3] Does the programme follow:	
a. CBCS structure	Yes
b. Elective-based structure	Yes
c. Any other, please specify	
4] Does the department follow Academic Calendar implemented By the University?	Yes
5] Use of Teaching-Learning tools/ platforms (Please specify)	
a. OHP	Yes
b. LCD	No
c. Interactive Boards	No
d. LMS	No
e. Any other	Board-chalk/marker pen
6] Use of ICT in Teaching-Learning-Evaluation	
a. e-books	Yes
b. e-journals	Yes
c. research database/ repositories	No
d. IT enabled classroom	Yes
e. Online assignment	Yes
f. Online assessment	Yes
g. Online feedback	No
7] Weekly class hour per course (average): (Weekly 4 hours per 4 credit theory and weekly 6 hours per 4 credit practical course)	24 hours
8] Whether remedial/ tutorial classes included in class routine?	Yes
9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training?	Yes
10] Does the department follow progressive evaluation of students?	Yes
11] Number of students appeared and passed in the academic year:	Appeared: 171 Passed: 171

Research output (for the academic year: 2021-22)

1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: (Please specify):	Yes
2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes):	0
3] Number of publications in refereed & peer-reviewed journals:	31
4] Number of book/ edited-volume/ book-chapter published with ISBN:	0
5] Number of patents registered:	NIL
6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.):	NIL

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7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level:	NIL
8] Number of sponsored research projects:	NIL
a. Completed	2
b. Ongoing	
9] Number of collaborative research projects:	NIL
a. Completed	
b. Ongoing	
10] Any innovative research initiative adopted and implemented (please specify):	

Infrastructure & facilities (departmental level)

1] Number of classrooms: 16	
2] Number of ICT-enabled classrooms: 1	
3] Number of laboratories: 4	
4] Availability of licensed software/ databases: NIL	
5] Number of tutorial rooms:	
6] Number of seminar halls:	
7] Number of rooms for the teaching members: 6	
8] Number of computer/ printer/ scanner available:	
a. In laboratory: 90	
b. In teachers' enclosure: Computer-30, Printer-15	
c. For Research scholars: 20	
d. For Administrative purpose: Computer: 5, Printer-2, Scanner-2	
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?	Yes
10] Whether reprographic facility available?	No
11] Number of washroom facility (for male):	6
12] Number of washroom facility (for female):	6
13] Presence of appropriate signage:	Yes
14] Barrier free environment ensured?	Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place?	Yes
2] Do the students participate in extra-academic activities and pursue Co-curricular activities?	Yes
3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students?	Yes

4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students?

5] Does the department arrange programmes for the students focusing Soft-skill and Personality development?

Organized by AU

6] Does the department have any Student Forum/ Club/ Chapter etc.?

No

7] Does the department have a students' feedback mechanism in place?

8] Are the students provided with Training and Placement support?

Yes, University placement cell

9] Do the students receive ICT-based teaching?

Yes

10] Can the students access digital resources offered by the University library?

Yes

11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period): 3

12] Please indicate the number of students those have progressed for higher studies (for the specific period): 80

13] Please indicate the number of students those were offered placements by the University (for the specific period): 15

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