

Personal Profile Format

1. Name: Dr. Karuna Baruah.
2. Email & Contact No.: karunabaruah2020@gmail.com
3. Designation: Associate Professor.
4. Academic Qualification: M.Sc.
5. Professional Qualification :- Ph. D.
6. Area of Interest: Mathematics, Pure Group.
7. Date of Joining:- 06-03-1993.
8. Teaching experience: 34 years
9. Publications:

(a) Research Paper in Journal

| Sl. No. | Title of the Paper | Title of the Journal | Year of Publication /volume, issue etc. | ISSN/ Whether peer Reviewed /Impact factor, if any |
|---------|--|------------------------------|---|--|
| 1 | Learners' consistency in mathematics performance - An investigation through statistical procedure | AJST | 2015/ 6(7) | 0976-3376 |
| 2 | Influences of Educational Environment in mathematics performance: A case study in Secondary schools in Assam (India). | AJST | 2015/ 6(8) | 0976-3376 |
| 3 | Application of Fuzzy Logic to investigate the mutual reflection between mathematics performance and overall academic performance | JAAM | 2010/ 3 | 2229-3884 |
| 4 | Secondary school education in Assam with special reference to Mathematics. | IJMTL | | 1473-0111 |
| 5 | Does performance in mathematics Olympiad reflect the performance in the school leaving examination result – An investigate through application of Fuzzy Logic. | JAAM | 2010/ 2 | ----- |
| 6 | Teachers' influence on mathematics performance : An investigation through Fuzzy Logic application in some selected secondary schools of Assam. | QUEST, IQAC, Barbhag College | 2011 | 978-81-910812-1-3 |
| 7 | Reflection of Learners'domestic status on performance in mathematics. | Perception | 2011 | 978-81 |

(b) Research paper in Seminar Proceedings :

| Sl. No. | Title of the Paper | Seminar Topic | Duration | Organised by |
|---------|---|--|--|---|
| 1 | Reflection of learners' domestic status on performance in mathematics, investigation by Fuzzy Logic Application | 19 th Int. Conf.- IMST,20 10, Patna Univ. | 18 th -20 th Dec, 2010 | Forum for Interdisciplinary mathematics |
| 2 | Influences of school characteristics on learners' performance in mathematics – An investigation through Fuzzy Logic Application | Int.Conf. on Frontiers in mathematics | 26-28 March, 2015 | Dept. Of Mathematics ,Gauhati University |
| 3 | Delination of Educational Environment to..... | NER. Conf. On mathematics education | 25-26 Nov, 2011 | Inst.of Compt. Adv. Of teachers, Guwahati, in collaboration with Dept. Of Maths, IIT,Guwahati . |
| 4 | Reflection of performance in state level mathematics Olympiad in the school leaving examination result – An investigate through application of Fuzzy Logic. | Advances in mathematics | 4-7 Sept, 2008 | Dept. Of Mathematics ,Gauhati University |
| 5 | Study of implications of mathematics performance on Academic scenarios of secondary schools. | Natl. Conf. On recent trends in mathematics and its applications | 12-13 Sept, 2019 | Assam Science Society and dept. Of Mathematics, GU. |

C) Others:-Various articles about mathematics and other related topics were published in different magazines and books .

10. Participation in Corporate life:

(a) College Level

| Sl. No | Types of activities | Period |
|--------|---|---------------|
| 1 | Field study (Educational excursion with students) | On words 1993 |
| 2 | Admission related works (Member of Admission Committee) | On words 1993 |
| 3 | Students' union election (Presiding officer, Polling officer & Counting Supervisors) | On words 1993 |

| | | |
|----|--|---------------|
| 4 | Cell and Committee members | |
| 5 | Examinations (Asstt.Incharge, Paper setter, Invigilators, Supervising officer etc) | On words 1993 |
| 6 | Evaluation (GU Exam, College Internal Exam etc) | On words 1993 |
| 7 | IQAC (Member) | On words 2003 |
| 8 | Student union In-charge (Boys common room, Social welfare and union incharge) | On words 1993 |
| 9 | Cultural & sports | |
| 10 | Any other | |

b) Extension activities in Community:

| Sl. No. | Name of the Activity (Lecture, Resource person etc.) | Date |
|---------|---|------------------------------|
| 1 | Resource Person – In one day programme of Teaching Learning processes in secondary education at school, at Honsons English school, Nalbari. | 30 th July, 2010 |
| 2 | Resource Person in Teacher Training camp , organised by RMSA, at Nalbari district. | 10 th March, 2015 |
| 3 | Resource Person in Teacher Training camp , organised by Assam Science Society. | 28 th Jan, 2001 |
| 4 | Chair Person in Workshop on Enterpreneurship Development | 29 th January, 2015 |

11. Membership of Professional/ Bodies/ Others:

- a) Life member of Assam Academy of Mathematics.
- b) Life member of Assam Science Society.
- c) Life member of Assam Sahitya Sabha.
- d) Member of Assam College Teacher Association.

12. RC/OP/FIP/FDP/STC/Any other course

| Sl. No. | Name of the Programme | Duration (from—to--) | Name of the Institution | Remarks |
|---------|---------------------------------|--------------------------|----------------------------|---------|
| 1 | Orientation Course | 19-01-1996 to 15-02-1996 | Academic Staff College, GU | |
| 2 | Refresher Course in Mathematics | 13-02-1997 to 12-03-1997 | Aligarh Muslim University | |
| 3 | Refresher Course in Mathematics | 23-12-2002 to 12-01-2003 | Academic Staff College, GU | |
| 4 | Refresher Course in Mathematics | 02-02-2005 to 24-02-2005 | Aligarh Muslim University | |
| 5 | Short Term Course | 13-03-2015 to 19-03-2015 | Academic Staff College, GU | |

12. Workshop/Seminars/Conferences/ symposia.

| Sl. No. | Paper presentation/ Participation | Title of the Paper | Seminar Topic | Organised by | Durati on |
|---------|-----------------------------------|---|--|---|--|
| 1 | presentation | Reflection of learners' domestic status on performance in mathematics, investigation by Fuzzy Logic Application | 19 th Int. Conf.- IMST,2010, Patna Univ. | Forum for Interdisciplin ary mathematics | 18 th - 20 th Dec, 2010 |
| 2 | presentation | Influences of school characteristics on learners' performance in mathematics – An investigation through Fuzzy Logic Application | Int.Conf. on Frontiers in mathematics | Dept. Of Mathematics ,Gauhati University | 26-28 March, 2015 |
| 3 | presentation | Delination of Educational Environment to..... | NER. Conf. On mathematics education | Inst.of Compt. Adv. Of teachers, Guwahati, in collaborati on with Dept. Of Maths, IIT,Guwah ati | 12-13 Sept, 2019 |
| 4 | presentation | Reflection of performance in state level mathematics Olympiad in the school leaving examination result – An investigate through application of Fuzzy Logic. | Advances in mathematics | Dept. Of Mathematics ,Gauhati University | 4-7 Sept, 2008 |
| 5 | Participation | - | Nat.works. on quality issuesopportunities | Dept.of Education Tihu College | 14 th - 15 th Oct, 2004 |
| 6 | Participation | | Sem. On Flood vis- a-vis.....of Assam | Barbhag College | 27 th - 28 th DEC., 2004 |
| 7 | Participation | | Sem. On Unemployment... .N.E. Region | ACTA, zonal committee Nalbari | 21 st Dec., 2006 |
| 8 | Participation | | Nat. Works.on Fuzzy logic andapplication | Lakhimpur Girls' College | 29 th - 30 th Jan., 2010 |

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|----|---------------|--|--|--|-----------------------------------|
| 9 | Participation | | Works. On evaluation process....educati on. | ACTA, zonal committee Nalbari | 11 th Dec, 2011 |
| 10 | Participation | | Nat. Sem. On Economic empow.....N.E. Region | Dept. Of Economics, Barbhag College | 1-2 Feb, 2012 |
| 11 | Participation | | Nat. Sem. On Rural devel....prospects | Dept. Of Economics, Barbhag College | 3-4 Feb, 2012 |
| 12 | Participation | | 7 th women convention ,2015 | Women cell, acta,Assam | 30 th sept, 2015 |
| 13 | Participation | | Works. On ExaminationG.U. | ACTA, zonal committee Nalbari | 8 th sept, 2013 |

13. M.R.P./ Research Projects:- Completed one Minor Research Project on ‘ Affective Teaching and Successful Learning in Mathematics – A Diagnostic investigation through Fuzzy Logic Application..