## **Chittagong University of Engineering & Technology (CUET)**

## **CV Format**

(For the post of Professor/Associate Professor including PART-A & B)

**PART-A**



photograph

1. Name of the post applied for **:** Professor

2. Candidate's Name : Dr. MusammetTahminaAkter

3. Father's Name :Mohammad Harunur Rashid Bhuyan

4. Mother's Name :Helena Begum

5. Date of Birth :31-12-1980

6. Age on last date of submission :

7. Nationality :Bangladeshi

8. Permanent Address :Vill: Bogir, P.O: Kharera, P.S: Kasba, Dist.:Brahmanbaria.

9. Present Address :  ***Professor, Department of Mathematics, CUET.***

**10. Contact Telephone/Mobile No:+880181**6-809491

11. Email Address **:**tahmina13@cuet.ac.bd,tahakter13@gmail.com

12. Educational Qualifications **:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of Certificate/**  **Degree** | **Board/University** | **Year of Exm.** | **Year of**  **Publication of Result** | **Division/**  **Class/ CGPA**  **out of** | **Marks(%)/ Converted marks (%) against CGPA** | **Merit Position** | **Remarks** |
| *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* |
| PhD | University of Chittagong | 2018 | 2018 | Degree  Awarded | -- | -- |  |
| M.Phil | University of Chittagong | 2013 | 2013 | Degree  Awarded | -- | -- |  |
| M.Sc.  (Pure) | University of Chittagong | 2001 | 2005 | 1st Class | 69.83% | First |  |
| B.Sc.  (Hons) | University of Chittagong | 2000 | 2003 | 1st Class | 67.25% | Third |  |
| H.S.C | Chittagong  Board | 1997 | 1997 | 1st Division | 62.30% | -- |  |
| S.S.C | Comilla Board | 1995 | 1995 | 1st Division | 81.00% | \*(Star)  Marks |  |

13. Experience (Starting from first Appointment):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Organization** | **\*\* Type of organization** | **Name of Post & Pay Scale (N.P.S-2015)** | **Experience** | | | **Remarks** |
| **From** | **To** | **Duration**  **(Y – M - D)** |
| Chittagong  University  of Engineering  and Technology | Autonomous | Lecturer,  15,000-26,200  (N.P.S-2009) | 2008-03-13 | 2012-06-27 |  |  |
| Chittagong  University  of Engineering  and Technology | Autonomous | Assistant Professor,  35,500 - 67,010  (N.P.S-2015) | 2012-06-28 | 2019-03-12 |  |  |
| Chittagong  University  of Engineering  and Technology | Autonomous | Associate Professor, | 2019.03.13 | 2021.08.10 |  |  |
| Chittagong  University  of Engineering  and Technology | Autonomous | Professor | 2021.08. 11 | Continue |  |  |
|  |  | Total |  |  |  |  |

\*\* Private/Govt./Semi Govt./Autonomous/NGO/Others (Specify): Autonomous.

(Chose any one)

14. a) Higher Studies records (By study leave from the university):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Degree/Course** | **University/ Institution & Country** | **Duration of Study** | | | **Nature of Leave** | **Remarks** |
| **From** | **To** | **Y M D** |
| PhD Degree | University of Chittagong, Chittagong-4331, Bangladesh. | 2014-09-15 | 2017-05-20 | 02-08-06 | Study Leave |  |

14. b) Name of Supervisor & Co-supervisor (During Higher Studies):

|  |  |  |
| --- | --- | --- |
| **Name of Degree** | **Name & address of Supervisor** | **Name & address of**  **Joint-Supervisor(s)/Co-supervisor(s)** |
| PhD | Dr. Md. Abul Mansur Chowdhury  UGC Professor and Ex-Director,  Jamal Nazrul Islam Research Centre for Mathematical andPhysicalSciences(JNIRCMPS),University of Chittagong,  Chittagong-4331, Bangladesh. | Dr. Anjan Kumar Chowdhury  Professor and Director  Jamal Nazrul Islam Research Centre for Mathematical and PhysicalSciences(JNIRCMPS),University of Chittagong,  Chittagong-4331, Bangladesh. |
| M.Phil | Dr. Md. Abul Mansur Chowdhury  UGC Professor and Ex-Director,  Jamal Nazrul Islam Research Centre for Mathematical and PhysicalSciences(JNIRCMPS),University of Chittagong,  Chittagong-4331, Bangladesh. | N/A |

15. Professional Experience in Teaching:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Post** | **University/ Institution & Country** | **Duration of Teaching** | | |
| **From** | **To** | **Y M D** |
| Lecturer | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2008-03-13 | 2012-06-27 |  |
| Assistant Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2012-06-28 | 2019-03-12 |  |
| Associate Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2019-03-13 | 2021-08-10 |  |
| Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2021-08-11 | Continue |  |
| Total |  |  |  |  |

16. Active Teaching Experience:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Post** | **University/ Institution & Country** | **Duration of Active Teaching** | | |
| **From** | **To** | **Y M D** |
| Lecturer | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2008-03-13 | 2012-06-27 |  |
| Assistant Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2012-06-28 | 2014-09-14 |  |
| 2017-05-21 | 2020-03-12 |
| Associate Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2020-03-13 | 2021-08-10 |  |
| Professor | Dept. of Mathematics,  Chittagong University of  Engineering and Technology, Chittagong-4349, Bangladesh | 2021-08-11 | Continue |  |
| Total |  |  |  |  |

17. Supervision of Thesis of Postgraduate Students:

|  |  |  |  |
| --- | --- | --- | --- |
| **Master Degree/Ph.D.** | **Year of Award** | **Student's Name** | **Supervisor/Co-Supervisor(s)** |
| M.Phil | Degree awarded | Md. Amanat Ali Khan | Supervisor |
| M.Phil | Degree awarded | Absana Tarammim | Supervisor |

18. Publications in Journal & Proceedings (Latest Publication should be listed first).

\* Please identify co-authors.

a) As publications, those published in recognized and referred journals/referred proceedings will be counted.

b) Publication in other proceedings of major national and international conferences may also be counted. However, the credit for publication will be 50% that of journal.

c) Text books written for Undergraduate/Postgraduate level may be considered as publications.

18.1. International Journal:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL. No.** | **Title of the Paper** | **Name of the Journal with Vol. No. pp** | **Year and Country of Publication** | **Name of Author(s)\*** | **Number of Publication Point** |
| **01** | Chaos control and synchronization of modified Lorenz system using active control and backstepping scheme | Waves in Random and Complex Media  **https://www.tandfonline.com/eprint/JFVQV4HY9S4MIQYPIFMM/full?target=10.1080/17455030.2023.2205529** | **2023,** **United Kingdom** | [**Musammet Tahmina Akter**](https://www.tandfonline.com/author/Akter%2C+Musammet+Tahmina)  ,  [Absana Tarammim](https://www.tandfonline.com/author/Tarammim%2C+Absana)   &  [Selim Hussen](https://www.tandfonline.com/author/Hussen%2C+Selim) |  |
| **02** | Shimizu–Morioka's chaos synchronization: An efficacy analysis of active control and backstepping methods | Frontiers in Applied Mathematics and Statistics  Volume 9 - 2023  **https://doi.org/10.3389/fams.2023.1100147** | **2023,** **Switzerland** | Absana Tarammim\*, Musammet Tahmina Akter |  |
| **03** | A Comparative Study of Synchronization  Methods of Rucklidge Chaotic Systems with  Design of Active Control and Backstepping  Methods | International Journal of Modern Nonlinear Theory and Application, 2022, 11, 31-51.  https://doi.org/10.4236/ijmnta.2022.112003 | **2022** | Absana Tarammim\*, Musammet Tahmina Akter |  |
| **04** | Solving Highly Nonlinear Partial Differential Equations Using Homotopy Perturbation Method | American Journal of Applied Mathematics 2020; 8(6): 334-343.  DOI: [10.11648/j.ajam.20200806.16](https://doi.org/10.11648/j.ajam.20200806.16) | **2020,USA** | Amanat Ali Khan1, \*, Musammet Tahmina Akter2 |  |
| **05** | Homotopy Perturbation Method for Solving Highly  Nonlinear Reaction-Diffusion-Convection Problem | American Journal of Mathematics and Statistics 2019, 9(3): 136-141  DOI: 10.5923/j.ajms.20190903.04 | **2019,USA** | M. TahminaAkter  &  M. A. Mansur Chowdhury |  |
| **06** | Observation of Different Behaviors of Logistic Map for Different Control Parameters | International Journal of Applied Mathematics and Theoretical Physics, 4(3): 84-90. [10.11648/j.ijamtp.20180403.14](https://doi.org/10.11648/j.ijamtp.20180403.14) | 2018, USA | Musammet Tahmina Akter1 , Mohammad Abul Mansur Chowdhury2 |  |
| **07** | Variational Iteration Method for Solving Coupled Schrödinger-Klein-Gordon Equation | American Journal of Computational and Applied Mathematics,  *Vol. 7,No. 1, Page 25-31.*  **DOI: 10.5923/j.ajcam.20170701.03** | 2017, USA | M. TahminaAkter  &  M. A. Mansur Chowdhury |  |
| **08** | Homotopy Perturbation Method for Solving Nonlinear Partial Differential Equations | IOSR Journal of Mathematics  (IOSR-JM), *Volume 12, Issue 5 Ver. VI,*  *PP 59-69.*  https://www.iosrjournals.org/iosr-jm/papers/Vol12-issue5/Version-6/L1205065969.pdf | 2016, India | M. TahminaAkter  &  M. A. Mansur Chowdhury |  |
| **09.** | Analytical and Traveling Wave Solutions to the Fifth Order Standard Sawada-Kotera Equation via the Generalized exp(−Φ(ξ))-Expansion Method | Journal of Applied Mathematics and Physics, Scientific Research Publishing  *Volume 4,*  *Page 262-271.*  **DOI:**[10.4236/jamp.2016.42033](http://dx.doi.org/10.4236/jamp.2016.42033) | 2016,China | M. Y. Ali,  M. G. Hafez,  M. K. H. Chowdury&  M. T. Akter |  |
| **10.** | Application of the Exp (-Φ(ξ)) - Expansion Method for Finding Exact Solutions of the (1+1)-Dimensional Dispersive Long Wave Equations | British Journal of Mathematics & Computer Science,  *Vol. 4( 22),*  *Page 3191-3201.*  **DOI:**[10.9734/BJMCS/2014/13129](https://doi.org/10.9734/BJMCS/2014/13129) | 2014,India | M. Golam Hafez,  M. Y. Ali,  M. Tahmina Akter and  M. A. Kauser |  |
| **11.** | Some New Exact Traveling Wave Solutions for the Zhiber-Shabat Equation | British Journal of Mathematics & Computer Science, *Vol. 4, 18, 2582-2593.*  **DOI:**[10.9734/BJMCS/2014/11563](https://doi.org/10.9734/BJMCS/2014/11563) | 2014,India | M. Golam Hafez,  M. A. Kauser and  M. Tahmina Akter |  |
| **12.** | Some New Exact Traveling Wave Solutions of the Cubic Nonlinear Schrodinger Equation using the (Exp(−Φ(ξ))) -Expansion Method | International Journal of Scientific Engineering and Technology (IJSET), *Vol. 3, Issue No. 7, PP*  *848-851* | 2014, India | M. Golam Hafez,  M. A. Kauser and  M. TahminaAkter |  |
| **13.** | Semi-Analytical Approach To Solve Non-Linear Differential Equations And Their Graphical Representations | International Journal of Applied Mathematics & Statistical Sciences (IJAMSS), *Vol. 3, Issue 1, 35-56* | 2014, India | M. TahminaAkter,  A. S. M. Moinuddin&  M. A. Mansur Chowdhury |  |
| **14.** | Approximate Analytical Solution of the Simplest Periodically Driven Chaotic Conservative Flow with Non-linearity | Canadian Journal on Computing in Mathematics, Natural Sciences, Engineering & Medicine, *Vol. 2, No. 3,* 29-38. | 2011, Canada | M. TahminaAkter and  M. Abul Mansur Chowdhury |  |

18.2. National Journal: N/A

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL. No.** | **Title of the Paper** | **Name of the Journal with Vol. No. pp** | **Year and Country of Publication** | **Name of Author(s)\*** | **Number of Publication Point** |
|  |  |  |  |  |  |

18.3. Proceedings of International Conference/Seminar/Workshop:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL. No.** | **Title of the Paper** | **Name of the Journal with Vol. No. pp** | **Year and Country of Publication** | **Name of Author(s)\*** | **Number of Publication Point** |
| 01 | Globally Synchronized Rucklidge Chaotic System: Identical and Non-identical Synchronization Effect" | 14th International Conference on Mechanical Engineering (ICME2023)  ID No. 205 | 2023, Department of Mechanical Engineering,  Bangladesh University of Engineering and Technology Dhaka-1000, Bangladesh | Absana Tarammim and Musammet Tahmina Akter |  |
| 02. | Solution of Quantum Mechanical ProblemUsingVariational Iteration Method and its Physical Behaviour | 20th International Mathematics Conference,  P53, pp-55 | 2017, Department of Mathematics, University of Dhaka, Bangladesh. | M.TahminaAkter and M.A. Mansur Chowdhury |  |
| 03. | Analytic Solution of Non-linear Heat Equation Using Homotopy Perturbation Method (HPM) And Its Graphical Representation | 1st International Conference on Mathematics and its Applications,  *Paper ID: 1525, Page: 110.* | 2015, Mathematics Descipline, Science Engineering and Technology School, Khulna University, Bangladesh. | M. TahminaAkter and  M.A. Mansur Chowdhury |  |
| 04. | Exact Traveling Wave Solutions of Nonlinear Schrodinger Equations Through The Generalized exp(−Φ(ξ))-Expansion Method | 1st International Conference on Mathematics and its Applications, *Paper ID: 1511, Page: 103.* | 2015, Mathematics Descipline, Science Engineering and Technology School, Khulna University, Bangladesh. | M. K. H. Chowdury,  M. G. Hafez, &  M. T. Akter |  |

18.4. Proceedings of National Conference/Seminar/Workshop:N/A

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL. No.** | **Title of the Paper** | **Name of the Journal with Vol. No. pp** | **Year and Country of Publication** | **Name of Author(s)\*** | **Number of Publication Point** |
|  |  |  |  |  |  |

18.5. Publication of Books:N/A

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Book** | **Publishing Co.** | **Year of Publication** | **Author(s)** | **Number of Publication Point** |
|  |  |  |  |  |

19. Other Experience (if any):N/A

20. Name of 2(Two) Referees (not related to the applicant):

(1)Name:**Dr. Md. Abul Mansur Chowdhury,**

Position: UGC Professor and Ex-director,

Address: Research Centre for Mathematical And Physical

Sciences(JNIRCMPS), Chittagong University

Chittagong-4331, Bangladesh

Contact Tel Number & E-mail address:+8801670-438502

&mansur\_rcmpscu@yahoo.com

(2) Name:**Dr. Anjan Kumar Chowdhury**

Position: Professor and Director

Address: Research Centre for Mathematical And Physical

Sciences(JNIRCMPS), Chittagong University

Chittagong-4331, Bangladesh

Contact Tel Number & E-mail address:+8801819-610031 & anjan.kumar@cu.ac.bd

Date: Signature of the Applicant