# Aliah University

## Academic Audit

## Department of CSE

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

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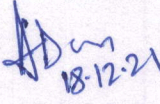3. Infrastructure and supportive facilities
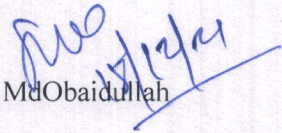4. Initiatives and Supplementation

# Aliah University

## Academic Audit

## Department of Computer Science and Engineering
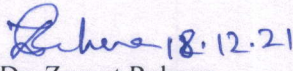
## (Session 2019-20)
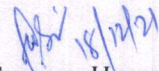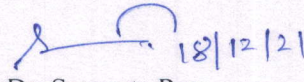
Dr. Souvik Sengupta

Dr. Abhishek Das

Dr. Sk MdObaidullah

Dr. Sk Md Mosaddek Hossain

Dr. Zeenat Rehena

Sk Golam Sarowar Hossain

Dr. Ayatullah Faruk Mollah
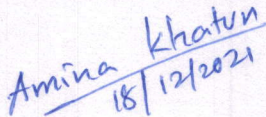
Dr. Sumanta Roy
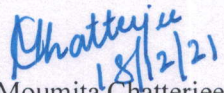
Dr. Tapas Bhadra

Dr. Khondekar Lutful Hassan
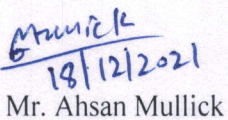
Dr. Saiyed Umer
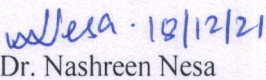
Dr. Md Azharuddin

Mrs. Amina Khatun

Mrs. Moumita Chatterjee

Mr. Zafar Sarif

Mr. Ahsan Mullick

Dr. Nashreen Nesa

# Minutes of Departmental Committee Meeting
## Department of Computer Science & Engineering, Aliah University
### Date: 02.12.21, 1:00 PM Venue: CSE HoD Room

Members Present

| 1 | Dr. Souvik Sengupta | HoD, Chairman |
|---|---|---|
| 2 | Dr. Abhishek Das | Member |
| 3 | Dr. Sk Md Obaidullah | " |
| 4 | Sk Md Mosaddek Hossain | " |
| 5 | Sk Golam Sarowar Hossain | " |
| 6 | Dr. Zeenat Rehena | " |
| 7 | Dr. Ayatullah Faruk Mollah | " |
| 8 | Dr. Sumanta Ray | " |
| 9 | Dr. Tapas Bhadra | " |
| 10 | Mr. Khondekar Lutful Hassan | " |
| 11 | Dr. Saiyed Umer | " |
| 12 | Dr. Md Azharuddin | " |
| 13 | Mrs. Amina Khatun | " |
| 14 | Mrs. Moumita Chatterjee | " |
| 15 | Mr. Zafar Sarif | " |
| 16 | Mr. Ahsan Mullick | " |
| 17 | Dr. Nashreen Nesa | " |

Agenda:
1. Constitution of Departmental Academic Audit Committee
2. Misc (if any)

Resolution of the Meeting:
1. It is decided that all the faculty members of the department should be a member of the departmental academic audit committee
2. The departmental academic audit report should be prepared and signed within Aug-Sept of each year

Dr. Souvik Sengupta

Dr. Sk Md Mosaddek Hossain

Dr. Ayatullah Faruk Mollah

Mr. Khondekar Lutful Hassan

Mrs. Amina Khatun

Mr. Ahsan Mullick

Dr. Abhishek Das

Sk Golam Sarowar Hossain

Dr. Sumanta Roy

Dr. Saiyed Umer

Mrs. Moumita Chatterjee

Dr. Nashreen Nesa

Dr. Sk Md Obaidullah

Dr. Zeenat Rehena

Dr. Tapas Bhadra

Dr. Md Azharuddin

Mr. Zafar Sarif

# Academic Management

## Information about HOD

1] Name: **Dr. Sk Md Obaidullah**

2] Designation: **Associate Professor**

3] Qualification: **PhD, Post-Doc**

4] Teaching experience (in years):**11 Years**

5] Industry experience (if any in years):

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):

**Journal**

1. Sahana Das, Himadri Mukherjee, Sk. Md. Obaidullah, Chanchal Saha and Kaushik Roy "Ensemble Learning Based Technique for the Assessment of Fetal Health using Cardiotocograph – A case study with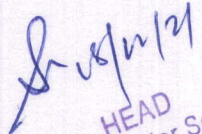 standard feature reduction techniques", in Multimedia Tools and Applications, Springer, 2019 (accepted) [Impact Factor: 2.757] (SCI/SCIE journal)

2. Sahana Das, Sk. Md. Obaidullah, Chanchal Saha and Kaushik Roy "Cardiotocograph-based labor stage classification from uterine contraction pressure during ante-partum and intra-partum period: a fuzzy theoretic approach", in Health Information Science & Systems, Springer, 2020 (indexed in ESCI, Web of Science)

3. Himadri Mukherjee, Ankita Dhar, Sk. Md. Obaidullah, Santanu Phadikar and Kaushik Roy "Image-based feature for speech signal classification", in Multimedia Tools and Applications, Springer, 2019 [Impact Factor: 2.757] (SCI/SCIE journal)

4. Himadri Mukherjee, Subhankar Ghosh, Shibaprasad Sen, Sk. Md. Obaidullah, KC Santosh, Santanu Phadikar and Kaushik Roy "Deep learning for spoken language identification: Can we visualize speech signal patterns?", in Neural Computing and Applications, Springer, 2019 [Impact Factor: 5.606] (SCI/SCIE journal)

5. Himadri Mukherjee, Ankita Dhar, Sk. Md. Obaidullah, KC Santosh, Santanu Phadikar and Kaushik Roy, "Linear predictive coefficients-based feature to identify top-7 spoken language", in International Journal of Pattern Recognition & Artificial Intelligence (IJPRAI), World Scientific, 2019 (accepted) [Impact Factor: 1.373] (SCI/SCIE journal)

6. Mridul Ghosh, Himadri Mukherjee, Sk. Md. Obaidullah, KC Santosh, Nibaran Das and Kaushik Roy, " Artistic multi-script identification at character level with extreme learning machine", in Procedia Computer Science Journal, Elsevier, 2019 (accepted), (indexed in Scopus)

7. Himadri Mukherjee, Ankita Dhar, Mridul Ghosh, Sk. Md. Obaidullah, KC Santosh, Santanu Phadikar and Kaushik Roy, "Music chord inversion shape identification with LSTM-RNN", in Procedia Computer Science Journal, Elsevier, 2019 (accepted), (indexed in Scopus)

8. Soumya Ukil, Swarnendu Ghosh, Sk Md Obaidullah, KC Santosh, Kaushik Roy, Nibaran Das, "Improved word level handwritten Indic script identification through integrated small convolutional neural networks", in Neural Computing and Applications, Springer, 2019 [Impact Factor: 5.606] (SCI/SCIE journal)

9. Himadri Mukherjee, Sk Md Obaidullah, K C Santosh, ShantanuPadhikar, Kaushik Roy, "A lazy learning-based language identification from speech using MFCC-2 features", in Journal of Machine Learning and Cybernetics, Springer, 2019 [Impact Factor: 4.012] (SCI/SCIE journal)
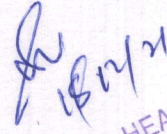
**Conference**

1. Mridul Ghosh, Sayan Saha Roy, Himadri Mukherjee, Md Obaidullah Sk, K. C. Santosh and Kaushik Roy, "Automatic Text Localization in Scene Images: A Transfer Learning Based Approach", in Seventh National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG 2019), Hubli, Karnataka, India, proceedings by Springer Lecture Notes in Computer Science (LNCS)

2. Himadri Mukherjee, Shibprasad Sen, AnkitaDhar, MdObaidullahSk and Kaushik Roy, "Deep learning-based Bangla isolated character recognition from online and offline data", in Seventh National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG 2019), Hubli, Karnataka, India, proceedings by Springer Lecture Notes in Computer Science (LNCS)

3. AnkitaDhar, Himadri Mukherjee, MdObaidullahSk and Kaushik Roy, "An Ensemble Learning based Author Identification System", in 8th International Conference on Pattern Recognition and Machine Intelligence (PReMI-2019), Tezpur, India, proceedings by Springer Lecture Notes in Computer Science (LNCS)

4. Himadri Mukherjee, Ankita Dhar, Md ObaidullahSk, K.C. Santosh, Santanu Phadikar and Kaushik Roy, "Segregating musical chords for automatic music transcription: A LSTM-RNN approach", in 8th International Conference on Pattern Recognition and Machine Intelligence (PReMI-2019), Tezpur, India, proceedings by Springer Lecture Notes in Computer Science (LNCS)

5. MridulGhosh, Himadri Mukherjee, Md ObaiduallhSk, K.C. Santosh, Nibaran Das and Kaushik Roy, "Separating graphical texts from scene images using CNN", in 13th International Conference on Document Analysis and Recognition (ICDAR 2019) and Workshop on Graphics Recognition (GREC 2019), Sydney, Australia

6. AnkitaDhar, Himadri Mukherjee, Md ObaiduallhSk, K.C. Santosh, NiladriSekhar Dash and Kaushik Roy, " Web Text Categorization: A LSTM-RNN Approach", in 3rd International Conference on Intelligent Computing and Communication (ICICC-2019), Bangalore, India, proceedings by Springer Advances in Intelligent Systems and Computing (AISC)

7. Himadri Mukherjee, Ankita Dhar, Bachchu Paul, Md Obaiduallh Sk, K.C. Santosh, SantanuPhadikar and Kaushik Roy, "Deep learning-based music chord family identification", in 3rd International Conference on Intelligent Computing and Communication (ICICC-2019), Bangalore, India, proceedings by Springer Advances in Intelligent Systems and Computing (AISC)

8. Himadri Mukherjee, Ankita Dhar, Sk Md Obaidullah, K.C. Santosh, Santanu Phadikar and Kaushik Roy, "A recurrent neural network-based approach to automatic language identication from speech", in 2nd International Conference on Communication, Devices and Computing (ICCDC-2019), Haldia, India, proceedings by Springer Lecture Notes in Electrical Engineering (LNEE)

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

9] Contribution to th egrowth and development of the
University during the  academic year:
1.          AU Hostel LAN tender committee dated 12.12.2019
3.          Chairman CSE dept. purchase committee dated 10.12.2019 to till date
4.          Member of NAAC core committee dated 16.04.2019 to till date
5.          Member AICTE committee dated 26.12.2019 to till date
6.          Co-Chairman High Performance Computer Cluster committee dated 09.07.2019
to till date
7.          HOD, Dept. of CSE dated 05.11.2019 to 12.11.2021
8.          Convener ERP Committee dated 18.12.2019 to till date
9.          CSE TA selection committee expert dated 12.02.2020

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| 10. | Jt. Convener of Technical committee for online classes dated 26.08.2020 to till date |
|---|---|
| 11. | NAAC Cat-II sub-committee dated 01.12.2020 to till date |
| 12. | NAAC Cat-III Research, Innovation and Extension dated 02.11.2020 to till date |
| 13. | Member Institution Industry Cell dated 13.10.2020 to till date |
| 14. | Chairman BoS, Dept. of CSE dated 30.09.2020 and 18.02.2021 to 12.11.2021 |

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):

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

**Information about Teaching Members (to be filled by individual Teaching member)**
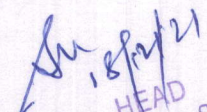
1] Name: **Dr. Abhishek Das**

2] Designation: Associate Professor, Dept. of Computer Sc. & Engineering

3] Qualification: Ph.D, M.S. (USA), B.Tech

4] Teaching experience (in years): 16

5] Industry experience (if any in years): 01

6] Number of teaching hours per week: 17

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

Journal

1. H. N. Khan, **Abhishek Das,** A. Chaudhuri, "An Ultra Robust Session Key Based Image Cryptography", **Microsystem Technologies**, Springer Nature, Vol-26 No.-7, pp 2193-2201, 2020, **(SCI** Indexed **I.F.- 2.276)** https://doi.org/10.1007/s00542-019-04518-9

2. Rajat Suvra Nandy , Rohit Kamal Chatterjee, **Abhishek Das**, "Segmentation of Blood Vessel Structure from the Retinal Image using Neighborhood Adaptive Line Structuring Element ", **Indian Medical Journal**, ISSN : 0091-5871, vol-114, No.-10, pp- 6-13 (index Medicus **PubMed**), Oct 2020.

3. RajatSuvraNandy, Rohit Kamal Chatterjee, **Abhishek Das**, "Segmentation of Blood Vessels from Fundus Image Using Scaled Grid" Communications in Computer and Information Science, vol 1240. **Springer,** Singapore,2020 https://link.springer.com/chapter/10.1007%2F978-981-15-6315-7_18 ( **Scopus** Indexed)

4. Shukla Mondal, Kaniz Fatima Mian and **Abhishek Das\***, "An Enhanced Artificial Intelligence-Based Model for Automatic Detection of Level of Severity in Diabetic Retinopathy", **Indian Medical Journal**, ISSN : 0091-5871, vol-114, No.-10, pp-14-22 (index Medicus **PubMed**), Oct 2020.

5. Sk. M. Haque, **Abhishek Das,** Rukhsana, "Carbon Footprint Reduction Instrument", Reference Module in Materials Science and Materials Engineering, **Elsevier,** 2020, ISBN 9780128035818, vol. 3, pp. 300–311 http://dx.doi.org/10.1016/B978-0-12-803581-8.11042-2

Conference

1. Rajat Suvra Nandy, Rohit Kamal Chatterjee, **Abhishek Das,** "Segmentation of Blood Vessels in Diabetic Retinopathy", In Proc.: 2nd International Conference on Machine Learning, Image Processing, Network Security and Data sciences (MIND-2020)

## Book Chapter

1. Rajat SuvraNandy, Rohit Kamal Chatterjee, **Abhishek Das,** "Segmentation of retinal blood vessel structure based on statistical distribution of the area of isolated objects" ,Book entitled " Recent Trends in Computational Intelligence Enabled Research", **Academic Press, 2020** Pages 263-278, ISBN 9780128228449,

2. Shukla Mondal, Kaniz Fatima Mian, **Abhishek Das**, "Deep learning-based diabetic retinopathy detection for multiclass imbalanced data," Book entitled "Recent Trends in Computational Intelligence Enabled Research," **Academic Press, 2020,**Pages 307-316, ISBN 9780128228449

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

1] Name:  KHONDEKAR LUTFUL HASSAN

2] Designation:  ASSISTANT PROFESSOR

3] Qualification: M TECH

4] Teaching experience (in years): 5 YEARS

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

6] Number of teaching hours per week:  16HRS

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

1. Hassan, Khondekar Lutful, and Jyotsna Kumar Mandal. "Composite Attribute Based Ad-hoc On Demand Multipath Distance Vector Routing Protocol (CAB-AOMDV)." Journal of scientific and industrial research  Vol 79 April 2020 ,pp:281-284,

### Conference

1. Hassan K.L., Mandal J.K., Mondal S. (2020) A Dynamic Threshold-Based Trust-Oriented Intrusion Detection System in MANET. In: Mandal J., Mukhopadhyay S. (eds) Proceedings of the Global AI Congress 2019. Advances in Intelligent Systems and Computing, vol 1112. Springer, Singapore
2. Hassan K.L., Mandal J.K. (2020) Performance Analysis of AntHocNet Based on NS2. In: Mandal J., Bhattacharya K., Majumdar I., Mandal S. (eds) Information, Photonics and Communication. Lecture Notes in Networks and Systems, vol 79. Springer, Singapore

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:

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| Committee | Position held | Work done/ Activity |
|---|---|---|
|  |  |  |

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

11] BestPracticesinteaching& academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

One day National Seminar on "Preparation and Publication of Research Articles" on 18.03 2019 at the Department of Computer Sc. & Engineering, Aliah University.

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

1] Name: Ayatullah Faruk Mollah

2] Designation: Assistant Professor

3] Qualification: PhD(Engg)

4] Teaching experience (in years): 7 years

5] Industry experience (if any in years): 2 years

6] Number of teaching hours per week: 18

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

[1]     P. Ahamed, S. Kundu, T. Khan, V. Bhateja, R. Sarkar and A. F. Mollah, "Handwritten Arabic Numerals Recognition using Convolutional Neural Network", Journal of Ambient Intelligence and Humanized Computing, vol, 11, pp. 5445–5457, Springer Nature, March 28, 2020 [IF: 4.59, SCIE, Scopus, DBLP, UGC].

[2]     S. Saha, N. Chakraborty, S. Kundu, S. Paul, A. F. Mollah, S. Basu and R. Sarkar, "Multi-lingual scene text detection and language identification", Pattern Recognition Letters, vol. 138, pp. 16-22, 2020. [IF: 3.25, SCIE, Scopus, DBLP, UGC].

[3]     T. Sahana, S. Paul, S. Basu and A. F. Mollah, "Hand signs recognition from depth images with multi-scale density features for deaf mute persons", Procedia Computer Science, vol. 167, pp. 2043-2050, Springer Nature, April 2020 [Scopus, DBLP, UGC].

[4]     T. Khan and A. F. Mollah, "Text non-text classification based on area occupancy of equidistant pixels", Procedia Computer Science, vol. 167, pp. 1889-1900, Springer Nature, April 2020 [Scopus, DBLP, UGC].

[5]     T. Khan and A. F. Mollah, "AUTNT - A component level dataset for text non-text classification and benchmarking with novel script invariant feature descriptors and D-CNN", Multimedia Tools and Applications, vol. 78, no. 22, pp. 32159–32186, Springer Nature, July 31, 2019 [IF: 2.31, SCIE, Scopus, DBLP, UGC].

[6]     S. Panda, S. Ash, N. Chakraborty, A. F. Mollah, S. Basu and R. Sarkar, "Parameter Tuning in MSER for Text Localization in Multi-lingual Camera-captured Scene Text Images", in Computational Intelligence in Pattern Recognition, A. K. Das, J. Nayak, B. Naik, S. K. Pati and D. Pelusi (Eds.), Springer Nature, AISC, vol. 999, pp. 999-1009, Jan 19-20, 2019, ISBN: 978-981-13-9041-8 [Scopus].

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

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

**Academic Session 2019-2020**

| Committee | Position held | Work done/ Activity |
|---|---|---|
| Doctoral Scrutiny Committee of Md. Ashifuddin Mondal, and Sk. Golam Sarowar Hossain, CSE Dept., AU | Member | As required from time to time |
| Convocation Committee, AU | Member | As required from time to time |
| Departmental Research Committee, CSE Dept., AU | Member | As required from time to time |
| Departmental Research Committee, ECE Dept., AU | Convener | As required from time to time |
| Board of Studies, Dept. of Computer Science &Engineering, Aliah University | Member | As required from time to time |
| Board of Studies, Dept. of Electronics and Communication Engineering, Aliah University | Member | As required from time to time |
| Board of Studies, Dept. of Mathematics and Statistics, Aliah University | Member | As required from time to time |
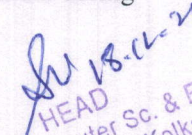
10] Other responsibilities (Please specify, add rows if required):

| 1 | |
|---|---|
| 2 | |

11] BestPracticesinteaching&academic-administrationintroducedinthedepartmentinthe academic
year (Please specify, add rows if required):

| 1 | |
|---|---|
| 2 | |

a. Organizer, **Invited Talk** by **Dr. JacekSroka**, Institute of Informatics, University of Warsaw, Poland on "Comparative study of clustering algorithms: A big data perspective", Jan 10, 2020, 3:30-5:00 PM, Dept. of CSE, Aliah University, India (in collaboration with IEEE).

b. Organizer, **Invited Talk** by **Prof. Dariusz Plewczynski** on "Computational methods for experimental data driven inference of spatial genome conformation", Jan 10, 2020, 2:00-3:30 PM, Dept. of CSE, Aliah University, India (in collaboration with IEEE).

c. Secretary, One day International Seminar on **Trends in Artificial Intelligence & Machine Learning Research (TAIMLR)**, Jan 7, 2020, Dept. of CSE, Aliah University.

d. Program Committee Member, **IEEE Calcutta Conference (CALCON)**, Feb 28-29, 2020.

e. Competition Chair, **International Conference on Frontiers in Computing and Systems (COMSYS-2020)** held at Jalpaiguri Government Engineering College, West Bengal, India during Jan 13-15, 2020.

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

1] Name: **Dr. Nashreen Nesa**

2] Designation: **Assistant Professor**

3] Qualification: **Ph.D**

4] Teaching experience (in years): **1 years**

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

6] Number of teaching hours per week:**15**

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

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

1. Participated and organized a one day Seminar on "Trends in Artificial Intelligence and Machine Learning Research" organized by Department of CSE, Aliah University, Newtown campuson 7th January, 2020.

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

| Category | Position held | Work done/ Activity |
|---|---|---|
| Purchase Committee | Member | Departmental purchase related work |
| Doctoral Committee | Member | Work related to the admission and selection of Ph.D candidates. Also developed the syllabus for two coursework subjects. |
| Asset Management | Member | Monitoring and recording the assets of the department. |
| Student club and activity | Member | Work related to extracurricular activities, student activities. |
| MCA coordinator | Coordinator | Prepared the curriculum and syllabus of MCA 2 years programme. |
| One day Seminar Trends in Artificial Intelligence and Machine Learning Research | Member of the organizing committee | Was involved in the Registration process as well as the registration Kit Preparation. |

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

| | |
|---|---|
| 1 | |
| 2 | |

11] BestPracticesinteaching&academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| | |
|---|---|
| 1 | |
| 2 | |

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

1] Name: **Dr. SAIYED UMER**

2] Designation: **Assistant Professor Stage 1**

3] Qualification: **Ph.D.**

4] Teaching experience (in years): **3 years**

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

6] Number of teaching hours per week: **40 hours**

7] Publications:

1. **Saiyed Umer**, Ranjeet Kumar Rout, Chiara Pero, Michele Nappi, "Facial expression recognition with trade-offs between data augmentation and deep learning features", **Journal of Ambient Intelligence and Humanized Computing (Springer) (SCI) (IF: 4.594)**

2. **Saiyed Umer**, Partha Pratim Mohanta, Ranjeet Kumar Rout, Hari Mohan Pandey, "Machine Learning Method for Cosmetic Product Recognition: A Visual Searching Approach", **Multimedia Tools and Applications (Springer) (SCI) (IF: 2.101)**

3. Alamgir Sardar, **Saiyed Umer**, Chiara Pero, Michele Nappi "A Novel CancelableFaceHashing Technique Based on Non-invertible Transformation with Encryption and Decryption Template", **IEEE Access (SCI) (IF: 4.098)**

4. Nasreen Nasar, Sumati Ray, **Saiyed Umer**, Hari Mohan Pandey, "Design and data analytics of electronic human resource management activities through Internet of Things in an organization", **Software: Practice and Experience, Wiley, (SCI) (IF: 1.931).**

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

| | |
|---|---|
| 1 | Setting Question Papers for End-Term Theory Exam (2 Nos.) |
| 2 | Performed invigilation duty at End-Term Theory Exam. |
| 3 | Conducting Practical Exam. |
| 4 | Conducting Project Presentation & Viva Voce |
| 5 | Conducting Grand Viva Evaluation |
| 6 | Conducting Seminar Presentation |
| 7 | Evaluating Answer Scripts |

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| 8 | Updating of Courses/Curriculum Design |
|---|---|
| 9 | Use of ICT or Computer-aided methods – ppt |
| 10 | Taking and conducting several Lectures, Practical, and Projects for the students |

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

| Committee | Position held | Work done/ Activity |
|---|---|---|
| Departmental Examination Committee | Coordinator | Managing all the semester Examinations |
| Departmental Board of studies | Member | Work done |
| Departmental Research Committee (DRC) | Member | Work done |
| Syllabus Enrichment Committee | Member | Work done |
| Departmental Examination Committee | Member | Work done |
| Central Maintenance Committee | Member | Work done |
| Central Examination Committee | Member | Work done |

10. Other responsibilities (Please specify, add rows if required):
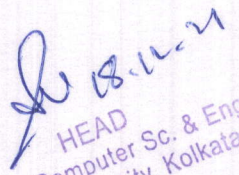
| 1 | Remedial Classes |
|---|---|
| 2 | Career counseling |
| 3 | Member of Doctoral Scrutiny Committee for several Research Scholars |
| 4 | Checked and verified students' Semester Grade Cards for various courses |

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

| 1 | Research Guidance to the following M.Tech students:<br><br>1. Nasima Khatun (M.Tech. 2019): Facial Expression Recognition System.<br>1. Surya Pratap Kahar (M.Tech. 2019): A Solution of Object Recognition for Car Datasets using Computer Vision Algorithms and Applications.<br>2. Sumit Barai (M.Tech 2019): A Facial Expression Recognition System using Comparison with Handcrafted and CNN Features |
|---|---|

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

1] Name: ZEENAT REHENA

2] Designation: ASSISTANT PROFESSOR

3] Qualification: PhD(Engg.)/ Post Doc

4] Teaching experience (in years): 8 years

5] Industry experience (if any in years): 1 year

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6] Number of teaching hours per week: 16 + 4 (Project work)

7] Number of Research Projects/Publications/Study material developed during the academic year 2019-2020

| Academic year | Projects/Publications/Study material |
|---|---|
| 2019-2020<br><br>Total Publications = 03 | **Journals:**<br>1. *Banani Ghose, Zeenat Rehena*, "A mechanism for air health monitoring in smart city using context aware computing", Procedia Computer Science, 171, 2020. SCImago Journal Rank (SJR) 0.342, (Indexed in SCOPUS)<br>2. *Md Ashifuddin Mondal, Zeenat Rehena*, "Road Traffic Outlier Detection Technique based on Linear Regression", Procedia Computer Science, 171, 2020. SCImago Journal Rank (SJR) 0.342, (Indexed in SCOPUS)<br><br>Book Chapters:<br>**1.** Zeenat Rehena, Marijn Janssen, "The smart city of Pune", Editor(s): Leonidas Anthopoulos, Smart City Emergence, Elsevier, 2019, Pages 261-282, ISBN 9780128161692. |

8] Contribution to enrich quality of teaching-learning during the academic year: 2019-2020

| Title of the Course | Nature of the Course (Workshop/Refresher Course/Others) | Sponsoring/Funding Agency | Duration of the Course (State also whether attended or organized) | Host/ Organized |
|---|---|---|---|---|
| Trends in Artificial Intelligence & Machine Learning Research | One day International Seminar | Aliah University | 7th January, 2020 (Organized) | Aliah University |

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

| Committee | Position held | Work done/ Activity |
|---|---|---|
| IIPC committee | Member | Yes, 2019-2020 |
| Departmental Research Committee | Convener | Yes, 2019-2020 |
| NPTEL Local Chapter Committee | Member | Yes, 05.09.2019 |
| Medals/Prizes Committee | Member | Yes, Since 25.07.2019 |
| University SC/ST committee | Chairperson | Yes |
| HPC committee | Member | Yes, since 09.07.2019 |

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

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

1] Name:        Sk Golam Sarowar Hossain

2] Designation: Assistant Professor

3] Qualification:        M.Tech

4] Teaching experience (in years):        13 Years

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

6] Number of teaching hours per week: 21

7] Number of Research Projects/Publications/
Study material developed during
8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/fieldvisits organized):
1. 2-day technical workshop on "Storage and office management using Google Cloud Platform (GCP) Services" on 20th & 21st March 2021
2. One day International Seminar on Trend in Artificial Intelligence and Machine Learning Research on 7th January, 2020.
3. Two - Day Workshop on Scientific Document Writing Using Latex during 11 - 12 February, 2017.
4. Current Trends in Cloud Computing, 9th August, 2016
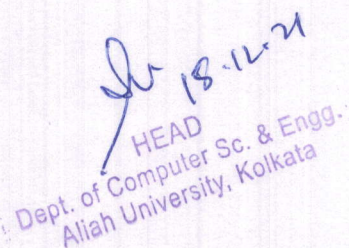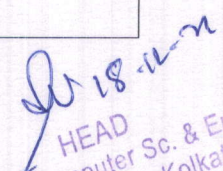
9] Contribution to the growth and development of the
University during the academic year:

| Committee | Position held | Work done/ Activity |
|---|---|---|
| Hostel Management Committee, 2017- | Member | To resolve hostel related issues through meetings resolution and implementation. |
| Warden of Newtown Boys' Hostel 2017 – till date | Hostel Warden | Hostel Warden |
| Warden of Chingrighata Boys' Hostel 2017 – 2021 | Hostel Warden | Hostel Warden |
| Computer Network Committee 2017-19 | Member | Address internet related issues and LAN infrastructures of all campus of the University. |
| Syllabus enriching Committee | Member | Contribute in designing the curricula of different course and detailed syllabus of various subjects. |
| Anti-ragging Committee 2017- | Member | Take part actively to nullify the incidence of ragging in the University. |
| Routine Committee 2017 | Member | Prepare the departmental routine for all courses with the help of other members. |
| Different departmental Committee | Member | Task related to the committee was performed on day to day basis. |

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):

| 1 | Chalk and talk during offline classes. Online classes on goggle-meet platform and supply the link of recording of online classes during lock down. Provide lecture notes to the students. |
|---|---|
| 2 | Sometime taking extra session with small group especially for weaker students/students not performing well. |
| 3 | Help authority to increase the hostel seats after inspecting different types of rooms in the hostel physically to handle the huge demand for the same. |

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

1] Name: **Dr. Souvik Sengupta**

2] Designation: **Associate Professor**

3] Qualification: **PhD (Tech)**

4] Teaching experience (in years): **14 Years**

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

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):

Sengupta, S., & Dave, V. (2020). Legislative Text Analysis from Judicial Case Reports using Machine Learning, *Proceeding of Computing, Communication and Sensor Networks 2020*

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized):
   1. Joint Coordinator, Trends in Artificial Intelligence and Machine Learning Research: TAIMLR-2020
   2. Session Chair, Computing, Communication and Sensor Networks 2020
   3. Invited Talk, Online FDP on "New Trends in Machine Learning" NTML 2021
   4. Session Chair, 6th International Conference on Emerging Applications of Information Technology  (EAIT 2020)

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

| Committee | Position held | Work done/ Activity |
|---|---|---|
| ERP Committee (University) | Chairman | Preparing SRS, Selection of Vendor, Installing and execution of ERP at the University |
| Technical Committee for Online Classes (University) | Joint Coordinator | Implementing G-Suite for the University |
| NAAC committee (Department) | Coordinator | Preparing departmental data and reports for NAAC |
| Exam committee (department) | Member | All the examinations and admission related matters |
| Purchase committee (department) | Member | Departmental purchase related issues |
| Doctoral committee | Member | Doctoral admission, |

| (department) | | coursework and other activities |
|---|---|---|

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

| 1 | |
|---|---|
| 2 | |

**11]** BestPracticesinteaching& academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| 1 | Developing multi-media based learning materials, laboratory manuals for different courses taught during the different semesters. |
|---|---|
| 2 | Interactive sessions with students. |

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

**1]** Name: Dr. Sumanta Ray

**2]** Designation: Assistant Professor

**3]** Qualification: Ph.D. (Engg.)

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

**5]** Industry experience (if any in years): 1 year

**6]** Number of teaching hours per week: 24 hours

**7]** Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **Provided in Annexure-1**

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

| 1 | Organized the one day seminar on "**Current Trends in Cloud Computing**" held at the Dept. of Computer Sc. & Engineering, Aliah University, Kolkata on 9th August, 2016. |
|---|---|
| 2 | Organized and participated in the two days' workshop on "**Scientific Document Writing Using Latex**" held at Aliah University Kolkata during February 11-12, 2017. |
| 3 | Organized the national seminar on "**Preparation and Publication of Research Articles**" held at Department of Computer Science & Engineering, Aliah University, Kolkata on 18th March, 2019. |
| 4 | Organized an international webinar on "**Recent Advances on High-performance Distributed Computing**" on 18th August 2020 |
| 5 | Served as convenor for an international talk on "**Selected Topics On Research Methodology**" on 4th September 2020 |
| 6 | Attended 14-Day FDP on **Research Methodology** at **Aliah University** from **24**th **Nov. 2020 to 7**th **December 2020.** |
| 7 | Attended 4 weeks UGC Sponsored **Orientation Programme** at **Human Resource Development Centre (HRDC) of University of Burdwan** from **4th September 2018 to 1**st**October 2018.** |
| | |

| 8 | Attended 8 weeks training in the scheme '**Mentoring of Engineering Teachers by INAE Fellows**' at Indian Statistical Institute, Kolkata from 15<sup>th</sup> May, 2016 to 15<sup>th</sup> July, 2016 |
|---|---|
| 9 | Attended 2 weeks Online Refresher Course IN ADVANCES IN NANO-SCIENCE AND NANO-TECHNOLOGY on **Human Resource Development Centre (HRDC) of University of Burdwan** from 26<sup>th</sup> September, 2021 to 9<sup>th</sup> December, 2021 |
| 10 | Attended Micro Com 2016: International Conference on Microelectronics, Computing and Communication |
| 11 | Attended 7th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2017) |

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

| Committee | Position held | Work done/ Activity |
|---|---|---|
| Examination and Admission | Member | All the examinations and admission related matters |
| Central Time table committee | Member | All matters related to the time-table. |
| Doctoral Research Committee | Member | Doctoral admission and activity |
| Syllabus Enrichment | Member | Any matters related to syllabus andcurriculum |
| Departmental NAAC Core Committee: | Member | Deal with all NAAC related departmental data processing department for upcoming NAAC evaluation process. |
| Computer Purchase Committee | Chairman | All purchase related to computer and software. |
| Training and placement committee | Member | Matters related to training and placement |

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

| 1 | Served as Resource person at Two days Workshop in Kalyani Mahavidyalaya, University of Kalyani, Kalyani, India, August, 2018 |
|---|---|
| 2 | Served a resource person at one day workshop in Department of Computer Science, New Alipore College, West Bengal, India, 2017 |
| 3 | Career counselling |
| 4 | Remedial classes |
| 5 | Member of Doctoral Scrutiny Committee for several Research Scholars |
| 6 | Checked and verified students' Semester Grade Cards for various courses |
| 7 | Reviewer for several prestigious journals such as<br>  Briefings in Bioinformatics<br>– IEEE/ACM Transactions on Computational Biology and Bioinformatics<br>– BMC Bioinformatics<br>– Nature Communications Biology<br>– PLOS ONE<br>– Algorithms for Molecular Biology<br>– IEEE Transactions on Nano bioscience |

| | |
|---|---|
| | – Scientific Report etc. |
| 8 | Reviewer for the conferences |

11] BestPracticesinteaching&academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| 1 | Research Guidance to the following M.Tech students: <br><br> A. Detecting Co-expressed Modules in Gene Co- expression Network: A WCGNA based Comparative Study---submitted in August, 2015 <br> B. COMPUTATIONAL PREDICTION OF HCV- HUMAN PROTEIN-PROTEIN INTERACTION: A SOFT COMPUTING BASED APPROACH—submitted in August, 2016 <br> C. DETECTING AND ANALYSIS OFCO-EXPRESSION MODULES IN HIV DISEASE PROGRESSION—submitted in August, 2015 <br> D. An Anti-Jamming Protocol Based on Secret Reallocation of Channels—submitted on August, 2016. <br> E. A Matrix Factorization Approach for Integrating Multiple Data Views—submitted in August, 2016. <br> F. A GA based Framework For Detection of Differentially Coexpressed Module, 2017. |
|---|---|
| 2 | Setting Question Papers for End-Term Theory Examinations |
| 3 | Performed invigilation duty at End-Term Theory Examinations |
| 4 | Conducted Practical Examinations |
| 5 | Conducted Project Presentation & Viva Voce |
| 6 | Conducted Grand Viva Evaluation |
| 7 | Conducted Seminar Presentation |
| 8 | Evaluated Answer Scripts |
| 9 | Updated Courses/Curriculum Design |
| 10 | Prepared Syllabus for B.Tech., M.Tech., BCA and MCA programmes |
| 11 | Involved as a member of Departmental Examination and Admission Committee to take care of all examinations and admission related matters |
| 12 | Conducted several Lectures, Practicals, and Projects for the students |
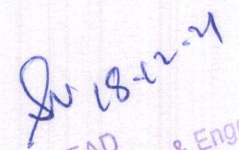
## JOURNALPAPERS

S.Ray*,S.LallandS.Bandyopadhyay,"CODC:Acopulabasedmodeltoidentifydifferentialcoexpression",**npj System Biology and Applications,6, 20**, (2020, **Impact factor:4.33**).

S.Pyne,**S.Ray**,R.Gurewitsch,M.Aruru,"TransitionfromSocialVulnerabilitytoResiliencyvis-à-visCOVID-19",**StatisticsandApplications,Vol.18,pp-197-208**,(2020).

## CONFERENCE PROCEEDINGS

S. Lall, **S. Ray*** and S. Bandyopadhyay, "Identifying novel SARS-CoV2–human protein inter-actions using graph embedding",**28th Conference on Intelligent Systems in MolecularBiology(ISMB-2020,COVID-19specialtrack)**,Accepted(2020).

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

1] Name: Ahsan Mullick

2] Designation: Assistant Professor

3] Qualification: M.Tech (CSE), B.Tech (CSE)

4] Teaching experience (in years): 6 Years

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

6] Number of teaching hours per week: 12.5

7] Number of Research Projects/Publications/
Study material developed during
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
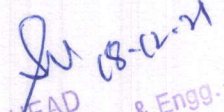University during the academic year:

| Committee | Position held | Work done/ Activity |
|---|---|---|
| Asset Marking Committee(Central Committee) | Member | Marking of all assets |
| Coordinator of the course of BCA | Coordinator | All Academic and Administrative responsibilities related to the course of BCA |
| Departmental Asset Committee | Member | Keeping the records of all the assets |

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

| 1 | Worked as a coordinator in organising online Technical Workshop "Storage and office management using Google Cloud Platform (GCP) Services" |
|---|---|
| 2 | Worked as a member in organising "International Seminar on Trends in Artificial Intelligence & Machine Learning Research (TAIMLR)" at Aliah university |
| 3 | Member of departmental NAAC Committee |

11] BestPracticesinteaching&academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| 1 | Preparation of online course materials. |
|---|---|
| 2 | Creation of Google classrooms for conducting online classes. |
| 3 | Conducting Online exams. |

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

1] Name: AMINA KHATUN

2] Designation: ASSISTANT PROFESSOR

3] Qualification: M.TECH

4] Teaching experience (in years): 1

5] Industry experience (if any in years): 3 .9

6] Number of teaching hours per week: 12.5

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

1. Completed online Faculty Induction Programme (FIP) organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 8/2/2022 to 12/3/2022.
2. Participated in 5 days workshop on Designing and Modelling of IoT,AI& ML System organized by AICTE, ATAL Academy, Arm Education and STMicroelectronics from August 1st to 5th 2022.

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

| Committee | Position held | Work done/ Activity |
|---|---|---|
| UGC, AICTE, MHRD, MA&ME, HE etc. Affairs | Member | I have worked as a member in all the UGC, AICTE, MHRD related issues and data fill up. |
| Student club and activity | Member | I have worked as a member in Extracurricular activities, alumni meet, students activity like sports, tour, several competition, magazine etc. |
| Library and Online Activity | Member | I have worked as a member in Library, e journals, dept. website, any other online activities. |
| Syllabus Enrichment | Member | I have worked as a member in Any matters related to syllabus and curriculum. |
| Member of NDLI Club | Member | |

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

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| | |
|---|---|
| 1 | |
| 2 | |

11] BestPracticesinteaching&academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| | |
|---|---|
| 1 | I have provided lecture notes, power presentation to the students. |
| 2 | |

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

1] Name: Dr. Md Azharuddin

2] Designation: Assistant Professor

3] Qualification: Ph.D

4] Teaching experience (in years): 5

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

6] Number of teaching hours per week: 15

7] Number of Research Projects/Publications/
Publications:

1. Sabnur Rahaman, Md Azharuddin, Md Kamaruzzaman*, "An on-demand scheduling scheme for mobile charger in wireless rechargeable sensor networks", international Journal of Mechatronics, Electrical and Computer Technology. IEEE. Vol 10(38). Oct. **2020**, PP. 4779 – 4782.

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 |
|---|---|
| a.  Member of Departmental Board of studies | Member |
| b.  Member of Departmental Research Committee (DRC) | Member |
| | Member |
| c.  Member of Syllabus Enrichment Committee | Member |
| d.  Member of Departmental  Examination Committee | Member |
| | Member |
| e.  Member of Central purchase committee | Member |
| f.  Member of departmental purchase committee | |
| g.  Member of Student admission process | |

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

| 1 | a. Remedial Classes |
|---|---|
| | b. Career counseling |
| | c. Member of Doctoral Scrutiny Committee for several Research Scholars |
| | d. Checked and verified students' Semester Grade Cards for various courses |
| | e. Attended Departmental Students' Refreshers-Welcome and Farewell programs |

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

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

1] Name: **Dr. Sk Md Mosaddek Hossain**

2] Designation: Assistant Professor

3] Qualification: Ph.D. (Engg.), M.Tech (Computer Science and Engineering)

4] Teaching experience (in years): 12 + years

5] Industry experience (if any in years):

6] Number of teaching hours per week: 24 hours +

**B. Conference Papers Published**

[1] **Sk Md Mosaddek Hossain\***, Sumanta Ray, Anirban Mukhopadhyay: "Identification of Hub Genes and Key Modules in Stomach Adenocarcinoma Using nsNMF-Based Data Integration Technique", **[IEEE]**, International Conference on Information Technology (ICIT - 2019), **IIIT Bhubaneswar, 2019**; DOI: 10.1109/ICIT48102.2019.00065, ISBN: 978-1-7281-6052-8.
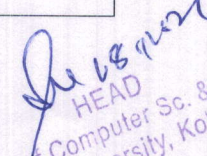
**C. Book Chapters Published**

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

| 1 | Organized one day International Seminar on "**Trends in Artificial Intelligence & Machine Learning Research: TAIMLR-2020**" on 7th January 2020. |
|---|---|
| 2 | Participated in the One week Faculty Development Programme on Image Authentication, WSN &IoT by Department of Computer Science and Engineering, JIS College of Engineering from 22/06/2020 to 26/06/2020. |

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

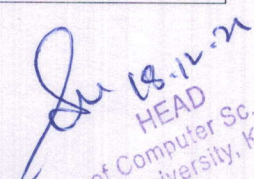| Committee | Position held | Work done/ Activity |
|---|---|---|
| 1. B.Tech-CSE Coordinator | Coordinator | Career counselling, Updating curriculum and syllabus according to latest AICTE/UGC guidelines. |
| 2. Common Engineering Curriculum | Member | Updating Engineering depts. curriculum and |

| Committee | | syllabus according to latest AICTE/UGC guidelines. |
|---|---|---|
| 3. Time Table Committee | Member | Preparing class routine of all the courses run by CSE department since 2011. |
| 4. Departmental Purchase Committee | Member | Purchase related activities of the department. |
| 5. Syllabus Enrichment | Member | Any matters related to syllabus and curriculum |
| 6. Departmental NAAC Core Committee: | Member | Deal with all NAAC related departmental data processing department for upcoming NAAC evaluation process. |

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

| 1 | Program committee member and reviewer of IEEE TENSYMP 2019. |
|---|---|
| 2 | Career counselling |
| 3 | Remedial classes |
| 4 | Member of Doctoral Scrutiny Committee for several Research Scholars |
| 5 | Checked and verified students' Semester Grade Cards for various courses |
| 6 | Reviewer for several prestigious journals like<br><br>DNA and Cell Biology (indexed in SCI/SCIE), Impact Factor: 3.311.<br><br>IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB: indexed in SCI/SCIE), Impact Factor: 3.71.<br><br>IEEE Access (indexed in SCI/SCIE), Impact Factor: 3.367.<br><br>IEEE Transactions on Emerging Topics in Computational Intelligence (indexed in SCI/SCIE), Impact Factor: 8.28.<br><br>INAE Letters (Editorial Team Member). |
| 7 | Reviewer for the conferences |
| 8. | Member of International Association of Computer Science and Information Technology (IACSIT).<br><br>Member of International Association of Engineers (IAENG).<br><br>Member of Institute of Research Engineers and Doctors (the IRED).<br><br>Member of International Computer Science and Engineering Society (ICSES). |

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

| 1 | Setting Question Papers for End-Term Theory Examinations |
|---|---|
| 2 | Performed invigilation duty at End-Term Theory Examinations |
| 3 | Conducted Practical Examinations |
| 4 | Conducted Project Presentation & Viva Voce |
| 5 | Conducted Grand Viva Evaluation |
| 6 | Conducted Seminar Presentation |

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| 7 | Evaluated Answer Scripts |
|---|---|
| 8 | Updated Courses/Curriculum Design |
| 9 | Prepared and Updated Syllabus for B.Tech., M.Tech., BCA and MCA programmes |
| 10 | Conducted several Lectures, Practicals, and Projects for the students |
| 11 | Projects Guidance for B.Tech, MCA students |

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

1] Name: Moumita Chatterjee

2] Designation: Assistant Professor

3] Qualification: M.Tech

4] Teaching experience (in years):5 years

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

6] Number of teaching hours per week:15 lectures

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

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 Exam Committee | Member | Exam routine preparation, sitting arrangement |
| Departmental Routine Committee | Member | preparation, conduct exams |
| Asset Committee | Coordinator | Time table preparation |
| Infrastructure Committee | Member | Keeping records of departmental assets. |

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

| 1 | Departmental NAAC Committee Work |
|---|---|

11] BestPracticesinteaching& academic-administrationintroducedinthedepartmentinthe academic
year (Please specify, add rows if required):

| 1 | Preparation of online materials, Creation of Google classrooms for conducting online classes, Conduction of Online exams. |
|---|---|
| 2 | |

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

1] Name: Dr. Tapas Bhadra

2] Designation: Assistant Professor

3] Qualification: Ph.D. (Engg.)

4] Teaching experience (in years): 5 yrs

5] Industry experience (if any in years): 1 year

6] Number of teaching hours per week: 24 hours

A. Journal Papers Published

1. Tapas Bhadra, Saurav Mallik and Sanghamitra Bandyopadhyay, "Identification of Multi-View Gene Modules using Mutual Information Based Hypograph Mining", IEEE Transactions on Systems, Man and Cybernetics: Systems, vol. 49, no. 6, pp. 1119-1130, 2019. (Impact Factor: 7.351)

B. Conference Papers Published

1. S. Mallik, S. Seth, T. Bhadra, N. Tomar, and Z. Zhao, "A Multi-classifier Model to Identify Mitochondrial Respiratory Gene Signatures in Human Cancer", Proceedings of 2019 IEEE International Conference on Bioinformatics and Biomedicine Workshops, ISBN: 978-1-7281-1867-3/19, November 18-21, 2019, San Diego, CA, USA, pages 1928-1935.

C. Book Chapters Published

1. S. Mallik, U. Maulik, N. Tomar, T. Bhadra, and A. Mukhopadhyay, and A. Mukherji, "Machine Learning and Rule Mining Techniques in the Study of Gene Inactivation and RNA Interference," in Modulating Gene Expression-Abridging the RNAi and CRISPR-Cas9 Technologies, IntechOpen, London, UK, 2019.

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

| 1 | Organized one day International Seminar on "Trends in Artificial Intelligence & Machine Learning Research: TAIMLR-2020" on 7th January 2020. |
| 2 | Attended AICTE Sponsored Two-Week National Level FDP on Quantum Computational Intelligence at RCC IIIT Kolkata from 2nd November 2019 to 14th November 2019. |
| 3 | Attended 3 weeks UGC Sponsored Orientation Programme at Human Resource Development Centre (HRDC) of University of Calcutta from 4th February 2020 to 24th February 2020. |

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

| Committee | Position held | Work done/ Activity |
| --- | --- | --- |
| Examination and Admission | Member | All the examinations and admission related matters |
| UGC, AICTE, MHRD, | Member | All the UGC, AICTE, |

| MA & ME, HE etc. Affairs | | MHRD related issues and data fill-up. |
|---|---|---|
| Doctoral Research Committee | Member | Doctoral admission and activity |
| Syllabus Enrichment | Member | Any matters related to syllabus and curriculum |
| Departmental NAAC Core Committee: | Member | Deal with all NAAC related departmental data processing department for upcoming NAAC evaluation process. |

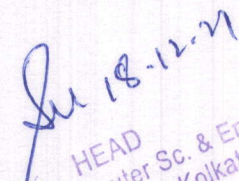10] Other responsibilities (Please specify, add rows if required):

| 1 | Served as question setter for the BTech (CSE) 5th Semester paper: Data Mining & Data Warehousing [PCS5H002] in IGIT. |
|---|---|
| 2 | Career counselling |
| 3 | Remedial classes |
| 4 | Member of Doctoral Scrutiny Committee for several Research Scholars |
| 5 | Checked and verified students' Semester Grade Cards for various courses |
| 6 | Reviewer for several prestigious journals such as IEEE Transactions on Knowledge and Data Engineering, IEEE Systems, Man and Cybernetics: Systems, IEEE Transactions on Neural Networks and Learning Systems, Information Sciences, etc. |
| 7 | Reviewer for the conferences |

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

| 1 | Setting Question Papers for End-Term Theory Examinations |
|---|---|
| 2 | Performed invigilation duty at End-Term Theory Examinations |
| 3 | Conducted Practical Examinations |
| 4 | Conducted Project Presentation & Viva Voce |
| 5 | Conducted Grand Viva Evaluation |
| 6 | Conducted Seminar Presentation |
| 7 | Evaluated Answer Scripts |
| 8 | Updated Courses/Curriculum Design |
| 9 | Prepared Syllabus for B.Tech., M.Tech., BCA and MCA programmes |
| 10 | Involved as a member of Departmental Examination and Admission Committee to take care of all examinations and admission related matters |
| 11 | Conducted several Lectures, Practicals, and Projects for the students |

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

1] Name: **ZAFAR SARIF**

2] Designation: **Assistant Professor**

3] Qualification: **M.Tech**

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

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

6] Number of teaching hours per week: **24 lecture hours**

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): ---

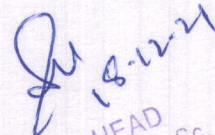9] Contribution to the growth and development of the University during the academic year:

| Committee | Position held | Work done/ Activity |
|---|---|---|
| **Placement Committee** | Departmental Placement Co-ordinator | Forwarding placement related mails, managing students and solving their queries, physical presence on the of placement drive for conducting drives smoothly. |
| Departmental Exam Committee | Member | Exam routine preparation, seating arrangement preparation, conduct exams etc. |
| Departmental Infrastructure Committee | Member | Overall development and monitoring CSE departmental infrastructure. |

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

| | |
|---|---|
| 1 | **Students' Co-ordinator for BTech 2$^{nd}$ , 3$^{rd}$ and 4$^{th}$ year (CSE) from 2022 onwards** |
| 2 | Students Co-ordinator for BTech 1$^{st}$ year (CSE) during 2019-2022 |
| 3 | Departmental NAAC Committee Work |

11] BestPracticesinteaching& academic-administrationintroducedinthedepartmentinthe academic year (Please specify, add rows if required):

| | |
|---|---|
| 1 | Preparation of online materials, Creation of Google classrooms for conducting online classes, Conduction of Online exams. |

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HEAD
Dept. of Computer Sc. & Engg.
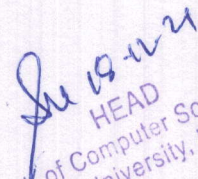Aliah University, Kolkata

# Academic Practices

**Academic Practices (for the academic year: (2019-2020)**

1] Total number of teaching-days in the academic year:  170-180 Days

2] Total number of permanent teaching staff:  17

3] Total number of permanent teaching staff with PhD:  10

4] Number of programmes offered (please specify):  04

5] Number of sanctioned intake of students and  138
Number of actual admissions:  114

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

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

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

9] Number of academic collaborations made by the department:

10] Innovative practices (please specify):

## Teaching-Learning-Evaluation process (for the academic year: (2016-2017)

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?               NO

3] Does the programme follow:
      a. CBCS structure                          YES
      b. Elective-based structure                YES
      c. Any other, please specify               YES

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                                     YES
      c. Interactive Boards                      YES
      d. LMS                                     YES
      e. Any other

6] Use of ICT in Teaching-Learning-Evaluation
      a. e-books                                 YES
      b. e-journals                              YES
      c. research database/ repositories         YES
      d. IT enabled classroom                    YES
      e. Online assignment                       YES
      f. Online assessment                       YES
      g. Online feedback                         YES

7] Weekly class hour per course (average):

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:             114

# Research output (for the academic year: 2019-20)

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): 10

3] Number of publications in refereed & peer-reviewed journals: 33

4] Number of book/ edited-volume/ book-chapter published with ISBN: 16

5] Number of patents registered: 2

6] Number of revenue generating events (Consultancy, Training Programme,
MDP/ EDP etc.): Nil

7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at
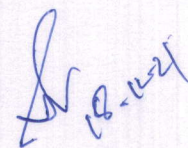State/ National/ International level:

8] Number of sponsored research projects:
         a. Completed
         b. Ongoing

9] Number of collaborative research projects:
         a. Completed
         b. Ongoing

10] Any innovative research initiative adopted and implemented (please specify):

# Infrastructure & facilities (departmental level)

1] Number of classrooms: 18

2] Number of ICT-enabled classrooms: 2

3] Number of laboratories: 6

4] Availability of licensed software/ databases: 11

5] Number of tutorial rooms: 2

6] Number of seminar halls: 1

7] Number of rooms for the teaching members: 4

8] Number of computer/ printer/ scanner available:

|  | computer | printer | scanner |
|---|---|---|---|
| In laboratory | 301 | 0 | 0 |
| In teachers' enclosure | 30 | 11 | 0 |
| For Research scholars | 13 | 1 | 0 |
| For Administrative purpose | 3 | 4 | 2 |

9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure? yes

10] Whether reprographic facility available? yes

11] Number of washroom facility (for male): 9

12] Number of washroom facility (for female):9

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? No

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?

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

5] Does the department arrange programmes for the students focusing
Soft-skill and Personality development? No

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

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

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

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) 01

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

13] Please indicate the number of students those were offered placements by the University (for the specific period). 09