

Curriculum Vitae

1. Name Dr. S M HAFIZUR RAHMAN

Professor, Institute of Education and Research (IER),

University of Dhaka, Dhaka-1000,

Email: hafiz.rahman@du.ac.bd Mobile: 01552353426

2. Date of Birth January 01, 1974

Bangladeshi

- 3. Membership in Professional Societies
 - Executive Secretary, Bangladesh Forum for Educational Development [BAFED], Since 2018 till date
 - Member: National Association for Research in Science Teaching (NARST), A worldwide Organization for science teachers and educators, USA, Since 2012
 - Assistant Secretary, Bangladesh Forum for Educational Development [BAFED], 2016-2017
 - Member, Research Board, Foundation of Research for Planning and Development [FREPD], Since 2016

4. Education

| School/College/ | Years a | attended | Name of the | Division/Class | Year |
|----------------------------|----------|----------|---------------------|-----------------|------|
| University | From | То | Examination | & Place | |
| Faculty of Education, | April | January | Doctor of | | |
| Monash University, | 2007 | 2011 | Philosophy (PhD) | Awarded | 2011 |
| Australia | | | | | |
| School of Education, | February | January | Master of Education | | |
| Edith Cowan University, | 2006 | 2007 | | Distinction | 2007 |
| Australia | | | | | |
| Department of Physics, | 1994- 95 | 1994- 95 | Master of Science | First Class | 1995 |
| University of Dhaka | | | (Thesis) | Position: 2nd | |
| | | | Subject: Physics | | |
| Department of Physics, | 1991- 92 | 1993- 94 | Bachelor of Science | First Class | 1994 |
| University of Dhaka | | | (Hons) | Position: 2nd | |
| | | | Subject: Physics | | |
| Zia Sarkarkhana | 1989- 90 | 1990- 91 | Higher Secondary | First Division* | 1991 |
| College, Ashuganj, Comilla | | | Certificate (HSC) | | |
| Board | | | | | |
| Ashuganj P.D kendra High | 1987 | 1988 | Secondary School | First division | 1989 |
| School, | | | Certificate (SSC) | | |
| Comilla Board | | | | | |

5. Other Training

| Period | Employing Organisation and your title/position. Contact information for references | Country | Summary of activities performed relevant to the assignment |
|--------------|--|----------------|--|
| • | Organisation: | Japan: | Country focused training |
| 2013 | Japan International | Hiroshima | and dialogue program on |
| _ | Cooperation Agency (JICA) | University, | implementation and |
| February 23, | | Hiroshima and | evaluation of the primary |
| 2003 | | PADECO Co Ltd, | curriculum in Science and |
| | | Tokyo | Mathematics in Bangladesh |

6. Language and Degree of Proficiency

| Language | Speaking | Reading | Writing |
|----------|-----------|-----------|-----------|
| Bangla | Fluent | Fluent | Fluent |
| English | Very Good | Very Good | Very Good |

7. Countries of Work Experience: Bangladesh & Australia

8. Employment Record

A. Basic Employment (Full Time)

| Institution | Position | Period |
|--|-----------|-----------------------------|
| Institute of Education and Research (IER), | Professor | April 01, 2013 to till date |
| University of Dhaka | | |
| Institute of Education and Research (IER), | Associate | July 25, 2009 - |
| University of Dhaka | Professor | March 31, 2013 |
| Institute of Education and Research (IER), | Assistant | December 22, 2002 - |
| University of Dhaka | Professor | July 24, 2009 |
| Institute of Education and Research (IER), | Lecturer | May 17, 1999 - |
| University of Dhaka | | December 21, 2002 |

Responsibility: Teaching and Research

Bachelor of Education (Hons)

- 1. Physics 1, (Theory and Practical), First Semester, First Year
- 2. Physics 2 (Practical), Second Semester, First Year
- 3. Physics 4 (Theory), Fourth Semester, Second Year
- 4. Instructional Technology, Fifth Semester, Third Year
- 5. Teaching Physical Science, Fifth Semester, Third Year
- 6. Microteaching and Simulation, Sixth Semester, Third Year
- 7. Practicum: Internship, Seventh Semester, Third Year
- 8. Introduction to Educational Research, Eight Semester, Third Year

Master of Education

- 9. Methods and Techniques of Educational Research, First Semester
- 10. Trends and Issues in Science, Mathematics and Technology Education, First Semester
- 11. Innovation and Improvement in SMTE Education, Second Semester

- 12. Human Resource Development in SMTE education, First Semester
- 13. Research on Advancement in SMTE Education, Second Semester
- 14. Thesis Supervision
- 15. Internship Supervision

Master of Education (Evening)

- 16. Research in Education
- 17. Introduction to Educational Assessment
- 18. Trends and Issues in Science, Mathematics and Technology Education (SMTE)
- 19. Innovation and Improvement in SMTE Education, Second Semester
- 20. Human Resource Development in SMTE education, First Semester
- 21. Curriculum development in SMTE education
- 22. Teaching Sciences
- 23. Microteaching and Simulation
- 24. Thesis Supervision

MPhil

- 25. Science Education
- 26. Research in Education
- 27. Thesis supervision

PhD

28. Thesis Supervision

B. Project and Research Work Based Employment

| Employing Organization, Position held, Contact Information for references | Period | Summary of activities performed relevant to the assignment |
|---|----------------------------------|--|
| Employer 1: Social Science Research Council, Planning Division, Bangladesh Position held: Team Member Reference: Md. Habibur Rahman, Assistant Director, SSRC, Ministry of Planning Mobile: 01552-354984 Email: ssrc.planningdivision@yahoo.com | October 2019 – September 2021 | Study Title: Secondary Science Teachers" Understandings and Challenges about to Develop and Assess the Creative Questions (Fellowship) Activities Performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Collection of Data, Design Analysis template, Data analysis, Report writing (Ongoing) |
| Employer 2: Bangladesh Technical Education Board (BTEB), Dhaka Position held: Team Member and Coordinator Reference: Dr. Md. Raju Mohammad Shahidul Islam Deputy Director (Research), BTEB Email: rmsislam@gmail.com Mobile: 01556622655 | June 2019 - March 2020 | Study Title: A Tracer Study for Matching Diploma in Engineering Curriculum for local and Global Employability Activities Performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination (Ongoing) |

^{**} All Assigned work by Director and Academic Committee, C&D of the Institute.

| Employing Organization, Position held, Contact Information for references | Period | Summary of activities performed relevant to the assignment |
|---|------------------------------|---|
| Employer 3: Friendship, Bangladesh | October 2019- August 2020 | Study Title: Independent Evaluation of Friendship's Education Program |
| Position held: Team Member Reference: Brig Gen Ilyas Iftekhar Rasul Email: ilyasrasul@friendship.ngo Mobile: 01714497113 | | Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination (International and National) |
| Employer 4: NAEM, Bangladesh Position held: Team Leader | July 2019 – June 2020 | Study Title : Exploring the status and reasons of current science practical practices at the secondary level |
| Reference: Ms Rokshana Bilkis, Director (Research) Email: rddivision.naem@gmail.com Mobile: 01552573798 | | Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 5: NAEM, Bangladesh Position held: Team Leader Reference: | July 2018- June 2019 | Study Title: Exploring the nature of science teaching in large class at secondary schools in Bangladesh, NAEM study 2018-19 |
| Ms Rokshana Bilkis, Director (Research) Email: rddivision.naem@gmail.com Mobile: 01552573798 | | Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 6: National Curriculum and Textbook | July 2017- June 2019 | Study Title: Effectiveness of existing primary curriculum |
| Board (NCTB), Bangladesh Position held: Technical Member Reference: Dr. Md Riazul Hasan Member (Primary), NCTB Mobile: 01938477289 | | Activities performed: Design the study, Developed Tools, support to Design Analysis Template and Data analysis and Report |
| Employer 7: National Curriculum and Textbook Board (NCTB), Bangladesh Position held: Technical Member Reference: Dr. Md Riazul Hasan Member (Primary), NCTB Mobile: 01938477289 | January 2018- June 2019 | Study Title: Need assessment and situational Analysis of primary curriculum Activities performed: Design the study, Developed Tools, Support to Design Analysis template, Data analysis, Report writing, |

| Employing Organization, Position held, Contact Information for references | Period | Summary of activities performed relevant to the assignment |
|--|-----------------------------|---|
| Employer 8: USAid (Through DMA) Position held: Team Member Reference: Md. Maqbal Bhuiyan Email:maqbul@dmabd.com Mobile: 01711533451 | March, 2018 – June, 2018 | Study Title: Government Primary School (GPS) Endline Evaluation: Reading Enhancement for Advancing Development Project Activities performed: Design the study, Developed Tools, Data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 9: BTEB, Dhaka Position held: Team Member & Coordinator Reference: Dr. Md. Raju Mohammad Shahidul Islam Deputy Director (Research), BTEB Email: rmsislam@gmail.com Mobile: 01556622655 | July 2017-June 2018 | Study Title: A Study for Enhancing enrolment and acceptability of SSC (Vocational), Dakhil (Vocational) and HSC (Vocational) courses Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 10: Police Head Quarters, Dhaka Position held: Team Member Reference: Mr. Md. Abdur Razzak AIG(R&P-2), Police Headquarters, Dhaka, Bangladesh, Email: aigp_r@police.gov.bd Mobile: Cell-01713373015 | July 2017- June 2018 | Study Title: Assessing the Training Curricula in terms of achieving organizational goal: Bangladesh police perspectives Activities performed: Design the study, Developed Tools, develop data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 11: NAEM, Bangladesh Position held: Team Leader Reference: Ms Rokshana Bilkis, Director (Research) Email: rddivision.naem@gmail.com Mobile: 01552573798 | July 2017- June 2018 | Study Title: Nature of secondary science teaching by non-science background teachers and its effect in promoting students' scientific literacy Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 12: NCTB Position held: Technical Member Reference: Prof. Md. Moshizzaman Member (Curriculum) Mobile: 01711254115 | March 2018 - June 2018 | Study Title: Try-out of Grade XI-XII Textbook (Bangla and English) Activities performed: Design Analysis template, Data analysis, Report writing, Dissemination |

| Contact Information for referencesrelevant to the assignmentEmployer 13:May 2017 –JICA, BangladeshJune 2017Position held: Team MemberStudy Title: Impact Survey of JICAReference:Design and implement the InterventiProf Aziz Ahmed Chowdhury(Lesson study), Developed Tools,Mobile: 01817054920develop data collection framework aSupervision data collection, DesignAnalysis template, Data analysis, Re | |
|--|--------------|
| JICA, Bangladesh Position held: Team Member Reference: Prof Aziz Ahmed Chowdhury Mobile: 01817054920 June 2017 support program 2 under PEDP 3 Activities performed: Design and implement the Interventi (Lesson study), Developed Tools, develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re | |
| Position held: Team Member Reference: Prof Aziz Ahmed Chowdhury Mobile: 01817054920 Mobile: 01817054920 Activities performed: Design and implement the Interventi (Lesson study), Developed Tools, develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re | |
| Position held: Team Member Reference: Prof Aziz Ahmed Chowdhury Mobile: 01817054920 Activities performed: Design and implement the Interventi (Lesson study), Developed Tools, develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re | |
| Reference: Prof Aziz Ahmed Chowdhury Mobile: 01817054920 Design and implement the Interventi (Lesson study), Developed Tools, develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re | |
| Prof Aziz Ahmed Chowdhury Mobile: 01817054920 (Lesson study), Developed Tools, develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re |)II |
| Mobile: 01817054920 develop data collection framework a supervision data collection, Design Analysis template, Data analysis, Re | |
| supervision data collection, Design Analysis template, Data analysis, Re | nd |
| Analysis template, Data analysis, Re | |
| | ort |
| writing, Dissemination | |
| Employer 14: April 2017 – Study Title: Study on Joyful Teaching | 19 |
| BANBAIS (By FREPD) July 2017 Learning at Secondary Schools in | -8 |
| Position held: Team Member, Education Bangladesh | |
| Expert Activities Performed: Design the st | ıdv. |
| Reference: Developed Tools, develop data | , |
| Mr. Nazrul Islam Khan collection framework and supervisio | 1 |
| Director, FREPD, Dhaka data collection, Design Analysis | |
| Email: frepd.bd@gmail.com template, Data analysis, Report writi | 19. |
| Mobile: 01911358117 Dissemination | -6, |
| Employer 15: February 2017- Study Title: In-depth Monitoring on | the |
| IMED (Through FREPD) June 2017 project titled "Secondary Education | |
| Position held: Team Member, Education Quality and Access Enhancement Pr | oiect |
| Expert (SEQAEP)" | ,,,,,,, |
| Reference: Activities performed: Design the st | ıdv. |
| Mr. Nazrul Islam Khan Developed Tools, develop data | . . , |
| Director, FREPD, Dhaka collection framework and supervisio | 1 |
| Email: frepd.bd@gmail.com data collection, Design Analysis templa | |
| Mobile: 01911358117 Data analysis, Report writing, Dissemina | |
| Employer 16: July 2016- Study Title: Assessing the quality | |
| BANBAIS June 2017 education through classroom observa | |
| Position held: Consultant 2015 | |
| Reference: Activities performed: | |
| Prof Md. Shamsul Alam Design Analysis template, Data anal | sis, |
| Mobile: 01715428432 Report writing, Dissemination | |
| Employer 17: May 2016 – Study Title: Monitoring JICA suppo | rt |
| JICA, Bangladesh July 2016 program 2 under PEDP 3 | |
| Position held: Project Researcher Activities performed: Design and | |
| Reference: implement the Intervention (Lesson | |
| Prof Aziz Ahmed Chowdhury study), Developed Tools, develop da | ta |
| Mobile: 01817054920 collection framework and supervisio | |
| data collection, Design Analysis templa | |
| Data analysis, Report writing, Dissemina | |
| Employer 18: August 2014- Study Title: Impact Survey-Endl | |
| JICA, Bangladesh December 2015 Survey for JICA Support Program 2 | |
| Position held: Project Researcher Activities Performed: | |
| Reference: Developed Tools, develop data | |
| Prof Aziz Ahmed Chowdhury collection framework and supervisio | 1 |
| Mobile: 01817054920 data collection, Design Analysis | |
| template, Data analysis, Report writi | ng, |
| Dissemination | - |

| Employing Organization, Position held, | Period | Summary of activities performed |
|--|----------------------------|--|
| Contact Information for references | | relevant to the assignment |
| Employer 19: UGC, Bangladesh Position held: Team Leader Reference: Md. Nizam Uddin Desk Offficer, DU Mobile: 01712591228 | July 2014- June 2015 | Study Title: The Importance of Pedagogical Content Knowledge as a Focus of Secondary Science Teachers" Professional Learning Community" Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 20: NAEM, Bangladesh Position held: Team Leader Reference: Ms Rokshana Bilkis, Director (Research) Email: rddivision.naem@gmail.com Mobile: 01552573798 | July 2014 – June 2015 | Study Title: Influence of "Lesson Study" in promoting students" Scientific Literacy: A Perspectives from Secondary Science Teachers" Professional Learning Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 21: JICA, Bangladesh Position held: Project Researcher Reference: Prof Aziz Ahmed Chowdhury Mobile: 01817054920 | January 2014 - May 2014 | Study Title: Review and Situation Analysis Survey of JICA Support Program 2 Activities performed: Design and implement the Intervention (Lesson study), Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 22: BANBAIS Position held: Consultant Reference: Prof Md. Shamsul Alam Mobile: 01715428432 | July 2014- June 2015 | Study Title: Assessing the quality of education through classroom observation 2013 Activities performed: Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 23: FREFD Position held: Team Member Reference: Mr. Nazrul Islam Khan Director, FREPD, Dhaka Email: frepd.bd@gmail.com Mobile: 01911358117 | April 2014 – May 2014 | Study Title: Problem of secondary science Education in Bangladesh Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |

| Employing Organization, Position held, | Period | Summary of activities performed |
|---|------------------|--|
| Contact Information for references | | relevant to the assignment |
| Employer 24: NAEM | July 2013 – | Study Title: Status of school science |
| Position held: Team Leader | June 2014 | laboratories and scope to implement |
| Reference: | | investigation at secondary schools in |
| Ms Rokshana Bilkis, Director (Research) | | Bangladesh |
| Email: rddivision.naem@gmail.com | | Activities performed: Design the study, |
| Mobile: 01552573798 | | Developed Tools, develop data |
| | | collection framework and supervision |
| | | data collection, Design Analysis |
| | | template, Data analysis, Report writing, |
| | | Dissemination |
| Employer 25: | April 2013 – | Study Title: ROSC-IER Training cell |
| World Bank and DPE | December 2018 | Activities performed: Develop Training |
| Position held: Consultant Member | December 2010 | Manual, Conduct TOT, Design Training, |
| Professor Dr. Md Abdul Maleque | | Monitoring and Supervision of Training, |
| Director, IER, DU | | Report, Design and Implement Case |
| Email: director.ier@du.ac.bd | | study |
| Mobile: 01716787160 | | Study |
| Employer 26: | July 2012 – | Study Title: Status of Science Education |
| FREPD, Bangladesh | June 2013 | at the secondary Level in Bangladesh |
| Position held: Team Member | June 2013 | Activities performed: Design the study, |
| Reference: | | Developed Tools, develop data |
| Mr. Nazrul Islam Khan | | collection framework and supervision |
| Director, FREPD, Dhaka | | data collection, Design Analysis |
| Email: frepd.bd@gmail.com | | template, Data analysis, Report writing, |
| Mobile: 01911358117 | | Dissemination |
| Employer 27: | October 2012 - | Study Title: Midterm review of |
| UNDP-CHTDF | November 2012 | Strengthening Basic Education in the |
| Position held: Team Member – National | Trovelliber 2012 | Chittagong Hill Tracts, Phase-II |
| Education Consultant | | Activities performed: Design the study, |
| Reference: | | Developed Tools, data collection and |
| Mr. Mohiuddin Ahmed | | Analysis, Report writing, Dissemination |
| Mobile: 01774488793 | | Thatysis, Report writing, Dissemination |
| Employer 28: | February 2012 - | Study Title: Review and Situation |
| JICA, Bangladesh | June 2012 | Analysis Survey of JICA Support |
| Position held: Project Researcher | Julie 2012 | Program 2 |
| Reference: | | Activities performed: Design |
| Prof Aziz Ahmed Chowdhury | | Intervention and Implement, Developed |
| Mobile: 01817054920 | | Tools, develop data collection framework |
| | | and supervision data collection, Design |
| | | Analysis template, Data analysis, Report |
| | | writing, Dissemination |
| Employer 29: | April 2012- | Study title: Evaluation the Impact of |
| IMED (Though Yosuf Associates) | June 2012 | TQI-SEP Project |
| Position held: Team Member | 5 dire 2012 | Activities performed: Design the study, |
| Mr. Md Yusuf Ali | | Developed Tools, develop data |
| Mobile: 01713010058 | | collection framework and supervision |
| 1130110. 01713010000 | | data collection, Design Analysis |
| | | template, Data analysis, Report writing, |
| | | Dissemination |
| | <u> </u> | Dissemination |

| Employing Organization, Position held, | Period | Summary of activities performed |
|---|-------------------------------|--|
| Employer 30: UGC, Bangladesh Position held: Team Leader Reference: Md. Nizam Uddin Desk Offficer, DU Mobile: 01712591228 | July 2011- June 2012 | Study Title: Professional Learning of Secondary Science Teachers through development of Professional learning communities in Bangladesh: A case study. Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 31: NAEM, Bangladesh Position held: Team Leader Reference: Ms Rokshana Bilkis, Director (Research) Email: rddivision.naem@gmail.com Mobile: 01552573798 | July 2011- June 2012 | Study Title: Learning science at the junior secondary level and its impact on the Enrolment trends in secondary science stream in Bangladesh Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 32: UNESCO, Dhaka Position held: Team Member Reference: Ms. Shirin Akter. UNESCO, Dhaka Office Mobile: 01732394686 | June 2011 - September 2011 | Study Title: Equivalency Education field testing Program Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 33: NAPE, Bangladesh Position held: Research Consultant Reference: Mr. Rangalal Roy Senior Specialist NAPE Email: rangalal1965@gmail.com Mobile: 01712619339 | August 2008 - October 2008 | Study Title: A study on the impact of subject-based training at URC Activities performed: Design the study, Developed Tools, develop data collection framework and supervision data collection, Design Analysis template, Data analysis, Report writing, Dissemination |
| Employer 34: JICA, Bangladesh Position held: Education Research Officer Professor Dr. Md Abdul Maleque Director, IER, DU Email: director.ier@du.ac.bd Mobile: 01716787160 | November 2001 - April 2002 | Study Title: A comparative study of Ideal and Non Ideal primary school. Activities performed: Design and Conduct Case study, Analysis and Report writing |

| Employing Organization, Position held, | Period | Summary of activities performed |
|---|----------------|---|
| Contact Information for references | | relevant to the assignment |
| Employer 35: | October 2000 - | |
| UNESCO, Dhaka | | Study Title : Improving Present learning |
| , | January 2001 | Assessment practices to Ensure Quality |
| Position held: Team Member | | of Primary Education |
| Reference: | | |
| Ms. Shirin Akter. UNESCO, Dhaka | | Activities performed: Design the study, |
| Office | | Developed Tools, develop data |
| Mobile: 01732394686 | | collection framework and supervision |
| | | data collection, Design Analysis |
| | | template, Data analysis, Report writing, |
| | | Dissemination |

Experiences: Curriculum Development

| Position | Description | Period | |
|------------------------|--|--------------------|--|
| Member, Primary | Primary science Curriculum 2020 | December 2019 to | |
| Science Curriculum | | March 2020 | |
| development team | | | |
| Member | Development of Aims, objectives and terminal | June-July, 2019 | |
| | competencies | | |
| Member | Development of Physics Curriculum for B Ed | July – December | |
| | (Hons) Program, Bangladesh Open University, | 2017 | |
| | Gazipur | | |
| Member | Development of Physics Curriculum for B Ed | January –June | |
| | (Hons) Program, University of Rajshahi, | 2016 | |
| | Rajshahi. | | |
| Member Secretary | Curriculum Renovation and Evaluation | Since January 2013 | |
| | Committee for Bachelor of Education (Hons) | | |
| | and Master of Education Programme. IER, | | |
| | University of Dhaka | | |
| * | Revision of Science Curriculum for DPEd | December 2015 – | |
| Development Team | Programme (Both Subject and Pedagogical | February 2016 | |
| 26.1 | Knowledge) | 3.5 1 201.5 | |
| Member | Development of Manual for National | March 2015 – | |
| | Framework for Primary Science Assessment | February 2016 | |
| Team Leader, | Development of Teaching Physics Curriculum | July 2014 – July | |
| Curriculum Development | for BEd Programme for National University | 2015 | |
| Team | Under TQI Phase II, Ministry of Education | T 2015 I | |
| · · | Development of Curriculum for CPD Physics | January 2015- June | |
| Curriculum Development | for Grade XI-XII Teachers Under TQI Phase | 2015 | |
| Team | II, Ministry of Education | T 1 2014 | |
| | Development of Curriculum for CPD Physics | July 2014- | |
| Curriculum Development | for Grade IX-X teachers Under TQI Phase II, | December 2014 | |
| Team | Ministry of Education | | |

| Position | Description | Period | |
|---------------------|--|-----------------|--|
| Member, Curriculum | Development of Curriculum for Manual of | January 2015- | |
| Development Team | Science Practical Work under SESEIP | February 2015 | |
| | Programme | | |
| Member, Curriculum | Science Curriculum for DPEd Programme | May - June 2011 | |
| Development Team | (Both Subject and Pedagogical Knowledge) | | |
| Member, Curriculum | National Curriculum of Primary Science for | October 2011 | |
| Rational Evaluation | Grade III, IV & V; NCTB | | |
| Team | | | |
| Member, Rational | Teacher"s Guide for III, IV & V Primary | November 2012 | |
| Evaluation Team | Science; NCTB | | |

Experiences: Books and Materials

| Position | Description | Period |
|---|--|--------------------|
| Assessment Specialist | Development of national assessment | July 2016-June |
| | framework for tools and methods of Primary | 2018 |
| | Education for all Subjects, NCTB | |
| Writer | Educational Research, MEd Program, | |
| | Bangladesh Open University | December 2018 |
| Assessment Specialist | Development of Continuous Assessment | June 2019 |
| | framework and tool (Arts & crafts) for the | |
| | secondary Education, BEDU, Dhaka | |
| | Examination Board | |
| Assessment Specialist | Development of Assessment guideless for | July 2019 |
| | Grade I-III (Without Exam) | |
| Assessment Specialist | Development of Manual for National | July 2016-June 209 |
| | Framework for Primary Science Assessment | |
| | | |
| Assessment Specialist | for secondary Education, BEDU, Dhaka | |
| | | |
| | Examination Board | |
| Writer and Editor | Physics Teaching for BEd Program, TQI, June-December 1 | |
| | Ministry of Education | 2017 |
| Writer | | June-December |
| | Bangladesh Open University | 2017 |
| Writer | Resource Book: Primary Science: Subject | July – December |
| | Knowledge (SK) and Pedagogical Knowledge | 2016 |
| | (PK): Revised Version | |
| Writer Revision of Foundation Training Manual for | | March 2016 - April |
| | ROSC Teacher, ROSC Project, MOPME | 2016 |
| Writer | Manual for Science Practical Work under | March 2015-June |
| | SESEIP Programme, Ministry of Education | 2015 |
| Writer | Manual for National Framework for Primary | March 2015 – |
| | Science Assessment, NCTB | February 2016 |

| Position | Description | Period | |
|---------------------------------------|--|------------------------------|--|
| Writer & Coordinator, Writer Panel | Secondary Physics Teachers" CPD Manual under TQI-II project for secondary teachers, Ministry of Education | June 2014 – July 2015 | |
| Writer | Manual for CMC member"s Training for ROSC Project | July 2014 – December 2014 | |
| Writer & Coordinator, Writer Panel | Secondary Physics Teachers" CPD TOT Manual under TQI-II project for secondary teachers, Ministry of Education | June 2014 – July 2015 | |
| Writer & Coordinator, Writer Panel | Higher Secondary Physics Teachers" CPD Manual under TQI-II project for secondary teachers, Ministry of Education | June 2014 – July 2015 | |
| Writer & Coordinator, Writer Panel | Higher Secondary Physics Teachers" CPD TOT Manual under TQI-II project for secondary teachers, Ministry of Education | June 2014 – July 2015 | |
| Writer | Resource Book: Primary Science: Subject Knowledge (SK) and Pedagogical Knowledge (PK) | July – August 2011 | |
| Writer | Instruction Guide: Primary Science: Subject Knowledge and Pedagogy | September - October 2011 | |
| Writer | National Science Textbook for Grade VI. NCTB | March – April, 2013 | |
| Writer | National Science Textbook for Grade VII. NCTB | May – June, 2013 | |
| Writer | National Science Textbook for Grade VIII. NCTB | July – August, 2013 | |
| Writer | National Science Textbook for Grade IX-V. NCTB | August -September 2013 | |

List of Publications in Refereed Journal

International

- 1. Secondary Science Teachers" Views on Resource Folio to Improve Their Pedagogical Content Knowledge. Journal of Science and Mathematics Education in Southeast Asia, Volume 43, December 2020.
- 2. Secondary science teachers" pedagogical content knowledge from content representation (CoRe) on genetics, Asia-Pacific Forum on Science Learning and Teaching, Volume 18, Issue 2, Article 3, December, 2017, ISSN 1609-4913.
- 3. Changing teaching perceptions and culture of professional practice: A Case of secondary science teachers in Bangladesh. In Jeninka Greenwood (Ed.). Research and Educational Change in Bangladesh. A collaborative book project between University of Canterbury and University of Dhaka. Dhaka University Press Ltd.
- 4. Influence of Professional Learning Community (PLC) on Learning a constructivist teaching approach (POE): The case of secondary science teachers of Bangladesh, Asia-Pacific Forum

- on Science Learning and Teaching, Volume 13, Issue 1, Article 3 (Jun., 2011), ISSN 1609-4913.
- 5. Influence of Professional Learning Community (PLC) on secondary science teachers" culture of professional practice: The case of Bangladesh, Asia-Pacific Forum on Science Learning and Teaching, Volume 12, Issue 1, Article 4 (Jun., 2011), ISSN 1609-4913.
- 6. The influence of professional learning on secondary science teachers" ways of Improving their subject teaching in Bangladesh. In W. K. Chan (Ed.), *Asia Pacific education:Diversity, challenges and changes*. Melbourne: Monash University Publishing.
- 7. Students' perceptions of learning science in small groups: A case study in higher education. Brunei International Journal of Science and Mathematics Education. 2010, Vol 2 (1), 32-47. ISSN 2076-0868.

National

- 8. Challenges of using analogy in secondary Physics teaching-learning: Bangladesh perspective. Accepted for Publication in Teacher's World: Journal of Education and Research. V.46. 2019.
- 9. Exploring factors affecting STEM enactment: Stakeholders" Perspectives. Teacher's World: Journal of Education and Research, V.44, 2017 (Published in December 2020).
- 10. Teacher's Belief, Practice and Challenges in implementing Inquiryi Based Teaching at Higher Secondary Biology Class. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education*. Volume 13, Issue 26, July –December 2018, ISSN 1997-4248.
- 11. Challenges of implementing the Inquiry Based Teaching learning in Primary science classroom, Journal of Teacher Education, Bangladesh Open University, V6, N1, 2019, ISSN 1812-7517
- 12. Teachers" views regarding the new approaches of primary science textbooks: Rural and Urban Perspectives, NAPE Journal. 10 (1), June 2019. *ISSN 2519-5174*
- 13. COVID-19 related news in media: Analyzing the response of mass people using scientific literacy framework in Bangladesh. Bangladesh Education Journal, V 18, N1, June 2019 (Published in June 2020)
- 14. Current status and challenges of learning from small group work in secondary science education in Bangladesh, *NAEM Journal*, *A journal of National Academy for Educational Management*, *Ministry of Education*. V 12, Issues 23 January-June 2017
- ১৫. বাংলাদেশের মাধ্যমিক স্তরের শিক্ষার্থীদের গণিত বিষয়ে ভীতির কারণ অনুসন্ধান, বাংলাদেশ শিক্ষা সাময়িকী, চতুর্দশ বর্ষ, দ্বিতীর সংখ্যা, ডিসেম্বর২০১৭
- 16. Assessment practices in science practical work at IER: Nature, impact and improvement, Teacher's World: Journal of Education and Research. V.43. 2016.
- 17. Secondary Science Teachers" Understandings and Challenges in Working with Creative Question in Physics, Teacher's World: Journal of Education and Research. V.43. 2016.

- 18. Reflection of Pedagogical Content knowledge (PCK) on DPEd Science Curriculum, Primary Education Journal, Volume-9, Number-1 June 2016,
- 19. Influence of "Lesson Study" in promoting students" scientific literacy: A perspective from secondary science teachers" professional learning, Teacher's World: Journal of Education and Research. V.42. 2015.
- 20. Using analogy in secondary science teaching practice to promote scientific literacy, Teacher's World: Journal of Education and Research. V.42. 2015
- 21. Developing instructional plan for "Refraction of Light" of class Eight science using 5E instructional model, Teacher's World: Journal of Education and Research. V.40. 2014.
- 22. Science teachers" perception towards use of ICT in Teaching at secondary level, Teacher's World: Journal of Education and Research, V.40, 2014.
- 23. University Science Teacher's Views about "Nature of Science" (NOS) and its influence on their practices, Teacher's World: Journal of Education and Research. V.39.2013 ISSN 0040-0521.
- 24. Influence of Secondary Science Teachers" Professional Learning Communities in Promoting Students" Scientific Literacy, Teacher's World: Journal of Education and Research. V.39. 2013 ISSN 0040-0521.
- 25. Status of Scientific Literacy achieved by grade VIII students in rural schools in Bogra districts of Bangladesh. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education.* 8(15), ISSN-1997-4248. July-December 2012.
- 26. Secondary Science Teachers' understandings about their Professional Learning activities: The Case of Bangladesh. *Teacher's World: Journal of Education and Research. V.37-38.* 167-174 ISSN 0040-052.
- 27. Secondary Science Teachers" view about subject matter knowledge and its impact on their teaching learning process. *Teacher's World: Journal of Education and Research*. *V.37-38.* 57-67 *ISSN* 0040-0521.
- 28. Impact of Teaching Load in Teaching Learning Process: Secondary Science Teachers" views. *NAPE Journal.* 6 (1), 12-26. *June 2012*.
- 29. Secondary Science Teachers" views about Pedagogy and its impact on their teaching learning process. Green University Review, 2011, Vol. 2 (1), 143-153, ISSN 2218-5283.
- 30. Secondary science teachers" views about science as a subject to teach and its impact on teaching-learning process. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education.* 7(14), Accepted. ISSN-1997-4248.
- 31. The Concerns Based Adoption Model (CBAM): A possibility for facilitating the process of teachers" professional development in Bangladesh. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education.* 4(8). ISSN-1997-4248.
- 32. Prospective Science Teachers' and Educators' Views and Understanding of Ideas about Science. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education.* 4(8), June 2009. ISSN-1997-4248

- 33. Reflections of Education for Sustainable Development (ESD) Concept in National Curriculum of Bangladesh: An Explorative Study at Lower Secondary Science Level. *Proshikhyan, A Journal of Training and development.* 16(2), 17-28. US library of Congress Catalog Number: B-95902106-S, ISSN Number: 1819-9097
- 34. Professional Learning Community: A possibitities for the secondary science teachers for improving their practices. *Proshikhyan, A Journal of Training and development.* 16(1), 17-28. US library of Congress Catalog Number: B-95902106-S, ISSN Number: 1819-9097
- 35. Development of Professional Learning Communities: Secondary Teachers in Bangladesh. *NAEM Journal, A journal of National Academy for Educational Management, Ministry of Education.* 3(6), 1-12. ISSN-1997-4248
- 36. Teachers" beliefs in effective secondary science teaching: An analysis of current student teachers" perception of IER, University of Dhaka. *Teacher's World: Journal of Education and Research*, V.32, 53-59, ISSN 0040-0521
- 37. Content Analysis of the New Bachelor of Education (B.Ed) Curriculum for the Secondary School Teachers in Bangladesh. *Proshikhyan, A Journal of Training and development*. *15* (2) , 23-34. US library of Congress Catalog Number: B-95902106-S, ISSN Number: 1819-9097
- 38. Introducing open investigation in secondary science practical work: Prospects and Challenges in the context of Bangladesh. Teacher's World: Journal of Education and Research. 30-31, 19-33. ISSN 0040-0521
- 39. Assessment Policy and *Practice at the Institute of Education and Research: A* Reflective study. *Teacher's World: Journal of Education and Research.* 30-31,, 77-92. ISSN 0040-0521
- 40. Revisiting the STEBI B: Evaluating pre-service science teachers" beliefs in quality teacher education (QTE) in Lagos State, Nigeria Proshikhyan, A Journal of Training and development.15 (1), 57-64. US library of Congress Catalog Number: B-95902106-S, ISSN Number: 1819-9097
- 41. Secondary Education Curriculum Materials: Content Analysis of Physics Text Book and corresponding implication for the nature of learning. *Teacher's World: Journal of Education and Research*. 26-27, 103-118. ISSN 0040-0521
- 42. Standard Model and CP violations in Neutral B-Meson Decays. Teachers" World, IER, University of Dhaka. *Teacher's World: Journal of Education and Research.* 26-27, 131-138. ISSN 0040-0521
- 43. Continuous Pupil Assessment in Primary Education: An Analysis of Practising Teacher's *Perceptions. Bangladesh Education Journal. 1(1), 77-86. ISSN* 1811-0762.
- 44. Situation of Continuous Pupil Assessment in Primary Education. *Social Science Review*. Accepted. ISSN 1562-269X.

Book Editor

Introductory discussion of curriculum. Writer: Shukla Sikder. **Anjali Biswas and lakshman Chandra Sikder Publications**, Dhaka, Bangladesh

Presentation in International Conference

- 1. Stakeholders" Perspectives on Feasibilities of STEM Education, Paper presented at physical science conference 2020 to be held at Atomic Energy Commission, Dhaka, Bangladesh, 5-7 March, 2020
- 2. Exploring the strategies of science teaching in large class at secondary schools in Bangladesh, Paper presented at seventh (8th) biennial international conference on science and mathematics to be held in SEAMEO RECSAM, Penang, Malaysia, 14-18 November, 2019
- 3. Assessment in higher education: A challenge for achieving sustainable development goals. Paper presented at IER national conference 2018 on 'Achieving Sustainable Development Goals in Bangladesh: Educational Responses, Challenges and Possibilities' to be held at IER, University of Dhaka, 31 March-April 1, 2018
- 4. The importance of Pedagogical Content knowledge as a focus of secondary science teachers" Professional Learning Community, Paper presented at seventh (7th) biennial international conference on science and mathematics to be held in SEAMEO RECSAM, Penang, Malaysia, 13-17 November, 2017
- 5. Challenges in Implementing Investigation Based Practical Work in Secondary Science Classes in Bangladesh" has been reviewed and accepted for presentation at the 2016 Korean Association for science Education International Conference where the conference theme is "Future Science Education: International Perspectives". The conference will be held at at Kyungpook National University (http://www.knu.ac.kr), **Daegu Metropolitan City, Korea** from Jan. 28 to 30, 2016.
- 6. Role of Education in Development and Democracy in Bangladesh: STEM (Science, Technology, Engineering and Mathematics) Education for 21st Century Challenges" has been reviewed and accepted for presentation at the 2015 BDI International Conference *Development and Democracy in Bangladesh: Problems and Prospects*. Organized in partnership with the Institute for South Asia Studies and the Subir & Malini Chowdhury Center for Bangladesh Studies (both housed at the University of California, Berkeley), the conference will be held on November 6-8, 2015 at the University of California, Berkeley campus.
- 7. Learning science at the junior secondary level and its impact on the enrolment trends in secondary science stream in Bangladesh, Presented at International Conference: Education in Pakistan: Practices and Challenges will be held at Bank road Campus, University of Education Lahore, Pakistan on 6th-7th January, 2014.
- 8. A shift towards Professional Learning from Professional Development: A Case of Bangladeshi Secondary Science Teachers. Presented at the 86th NARST Annual **International Conference held in Rio Grande, Puerto Rico** from April 6 9, 2013.

- 9. Engaging in professional learning communities: A way to address alternative conceptions in science of junior secondary science teachers in Bangladesh. Presented at The Annual Conference of Monash university Education research community (MERC, 2010), **Monash University, Melbourne**, 2-7 July, 2010.
- **10.** Developing secondary science teachers' professional learning communities. presented at The 41st Annual Conference of the Australasian Science Education Research Association (ASERA 2010), Newcastle, New South Wales, **Australia**, 30-2 July, 2010.
- 11. Turning Learning into Action: Professional learning of junior secondary science teachers through developing professional learning communities in Bangladesh. Presented at Monash university Research community colluqium, June 8, 2010.
- 12. The professional learning Community: A way to engage junior secondary science teachers to change their teaching perceptions and the culture of professional practice in Bangladesh. Presented at SYMPOSIUM ON INTERNATIONAL RESEARCH COLLABORATION, Melbourne, Victoria, Australia, February 25, 2010.
- 13. Presented a Paper titled "Professional Learning of Junior Secondary Science Teachers In Bangladesh" at MERC conference during Winter School 2007(July 04, 2007).
- **14.** Current status of science teaching at junior secondary level in Bangladesh -Towards developing professional learning communities among science teachers. presented at The 40th Annual Conference of the Australasian Science Education Research Association (ASERA 2009), **Geelong, Victoria, Australia,1-4** July, 2009.

Academic Thesis Supervision

- PhD : 05 student on Science Education- Supervision (Ongoing)
- MPhil: 05 Students on Science Education (Ongoing)
- MEd : 10Students on Science and Mathematics Education (Ongoing)
- MEd: 45 Students on Science and Mathematics Education (Completed)

Major Thesis Supervision:

- Using analogy and making it effective for secondary science students
- Promoting Scientific Literacy through Ensuring Constructivist Learning Environment in Science Classroom
- Professional learning of Secondary Science Teachers: A case of Monipoor School, Dhaka.
- The role of professional learning community to address Beginning Science Teachers" difficulties in their practice
- Investigation of the reasons of students" fear in Mathematics at the secondary level in Bangladesh
- The Influential factors of not choosing science at secondary level; Students" perspectives
- Exploring secondary Science Teachers" pedagogical Content knowledge (PCK) from the content representation (CoRe) on Genetics
- Barriers in Teaching learning process of mathematics at secondary level: A
 quest for quality improvement
- Effectiveness of present laboratory activities in developing grade X students scientific literacy in Dhaka city Education (Completed)

Consultation in Thesis:

- Analysis of Primary Science Curriculum, MEd Thesis, IER, DU
- Analysis of Junior Secondary Science Curriculum, MEd Thesis, IER, DU

PhD Evaluation

- One PhD Thesis from Monash University, Study
- Two PhD from Different University of ,Bangladesh
- One PhD from Alagappa University

Training Experience:

- 1. Worked as a Specialist and Resource person for **TQI-SEP** project Phase-2 at IER Organized by Ministry of Education.
- 2. Worked as a Facilitator in TOT sessions to select Master Trainer for **TQI-SEP** project (2007) at IER Organized by Ministry of Education.
- 3. Worked as a Facilitator both in TOT session and Field level sessions for BRAC science teacher training program (2003-2005)
- 4. Trained Teachers from all faculty of Bangladesh Open University on structure and assessment process of creative questions.
- 5. Working for Faculty Development of Stamford University, Prime University and Green University, Dhaka.
- 6. Working for Faculty Development of Different Secondary Schools in Dhaka.
- 7. Trained all Faculty of KUET for Curriculum, Teaching leaning and Assessment.

Professional Affiliations

- Associate Editor, TEACHER"S WORLD- A journal of Education and Research, 2013-2017
- Reviewer: Asia Pacific Forum for Science Learning and Teaching Journal
- External Assessor (Promotion of Academics), Universiti Sains Malaysia.
- External Assessor, (Promotion of Academics), University of CAPE coast, Ghana
- Technical Advisor: Bangladesh Science Outreach [BSO]- First Round and Dhaka Phase –
 An Organization for Promoting Science in Schools and supported by American Centre,
 Dhaka. 2013-2015

11. Work Undertaken that best illustrates my capability to handle this Assignment:

- COVID-19 related news in media: Analyzing the response of mass people using scientific literacy framework in Bangladesh
- Secondary Science Teachers" Understandings and Challenges about to Develop and Assess the Creative Questions
- Exploring the status and reasons of current science practical practices at the secondary level
- Nature of secondary science teaching by non-science background teachers and its effect in promoting students" scientific literacy
- Study on Joyful Teaching Learning at Secondary Schools in Bangladesh
- In-depth Monitoring on the project titled "Secondary Education Quality and Access Enhancement Project (SEQAEP)

- Assessing the quality of secondary education through classroom observation 2015
- The Importance of Pedagogical Content Knowledge as a Focus of Secondary Science Teachers" Professional Learning Community
- Influence of "Lesson Study" in promoting students" Scientific Literacy: A Perspectives from Secondary Science Teachers" Professional Learning
- Assessing the quality of secondary education through classroom observation 2013
- Problem of secondary science Education in Bangladesh
- Status of school science laboratories and scope to implement investigation at secondary schools in Bangladesh
- Professional Learning of Secondary Science Teachers through development of Professional learning communities in Bangladesh: A case study.
- Evaluation the Impact of TQI-SEP Project
- Learning science at the junior secondary level and its impact on the Enrolment trends in secondary science stream in Bangladesh
- Development of Teaching Physics Curriculum for BEd Programme for National University Under TQI Phase II, Ministry of Education
- Development of Curriculum for CPD Physics for Grade IX-X teachers Under TQI Phase II, Ministry of Education
- Development of Continuous Assessment framework and tool (Arts & crafts) for the secondary Education, BEDU, Dhaka Examination Board
- Development of Continuous Assessment Tools for secondary Education, BEDU, Dhaka Examination Board
- Secondary Physics Teachers" CPD Manual under TQI-II project for secondary teachers, Ministry of Education
- Writing National Science Textbook for Grade VI-X. NCTB
- Secondary Science Teachers" Views on Resource Folio to Improve Their Pedagogical Content Knowledge.
- Secondary science teachers" pedagogical content knowledge from content representation (CoRe) on genetics,
- Changing teaching perceptions and culture of professional practice: A Case of secondary science teachers in Bangladesh.
- Influence of Professional Learning Community (PLC) on Learning a constructivist teaching approach (POE): The case of secondary science teachers of Bangladesh,
- Influence of Professional Learning Community (PLC) on secondary science teachers" culture of professional practice: The case of Bangladesh
- The influence of professional learning on secondary science teachers" ways of Improving their subject teaching in Bangladesh..
- Challenges of using analogy in secondary Physics teaching-learning: Bangladesh perspective.
- Exploring factors affecting STEM enactment: Stakeholders" Perspectives
- .Current status and challenges of learning from small group work in secondary science education in Bangladesh,
 - বাংলাদেশের মাধ্যমিক স্তরের শিক্ষার্থীদেরগণিত বিষয়ে ভীতির কারণ অনুসন্ধান
- Influence of "Lesson Study" in promoting students" scientific literacy: A perspective from secondary science teachers" professional learning,
- Using analogy in secondary science teaching practice to promote scientific literacy,
- Developing instructional plan for "Refraction of Light" of class Eight science using 5E instructional model,
- Science teachers" perception towards use of ICT in Teaching at secondary level,
- Influence of Secondary Science Teachers" Professional Learning Communities in Promoting Students" Scientific Literacy,

- Status of Scientific Literacy achieved by grade VIII students in rural schools in Bogra districts of Bangladesh.
- Secondary Science Teachers' understandings about their Professional Learning activities: The Case of Bangladesh.
- Secondary Science Teachers" view about subject matter knowledge and its impact on their teaching learning process.
- Impact of Teaching Load in Teaching Learning Process: Secondary Science Teachers" views.
- Secondary Science Teachers" views about Pedagogy and its impact on their teaching learning process.
- Secondary science teachers" views about science as a subject to teach and its impact on teaching-learning process..
- The Concerns Based Adoption Model (CBAM): A possibility for facilitating the process of teachers" professional development in Bangladesh.
- Reflections of Education for Sustainable Development (ESD) Concept in National Curriculum of Bangladesh: An Explorative Study at Lower Secondary Science Level.
- Professional Learning Community: A possibitities for the secondary science teachers for improving their practices.
- Development of Professional Learning Communities: Secondary Teachers in Bangladesh.
- Teachers" beliefs in effective secondary science teaching: An analysis of current student teachers" perception of IER, University of Dhaka.
- Content Analysis of the New Bachelor of Education (B.Ed) Curriculum for the Secondary School Teachers in Bangladesh.
- Introducing open investigation in secondary science practical work: Prospects and Challenges in the context of Bangladesh.
- Secondary Education Curriculum Materials: Content Analysis of Physics Text Book and corresponding implication for the nature of learning.

CERTIFICATION [Do not amend this certification].

I, the undersigned, certify that (i) I was not a former employee of the Client immediately before the submission of this proposal, and (ii) to the best of my knowledge and belief, this bio-data correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

I have been employed by the Institute of Education and Research, University of Dhaka continuously for the last twelve (12) months as regular full time staff. Indicate "Yes" or "No" in the boxes below:

| Yes | NO | |
|-----|-----------------|---|
| | Signature | |
| | | 000 00 00 00 00 00 00 00 00 00 00 00 00 |
| | Date of Signing | 26 /02/ 2021 Day/ Month/ Year |