**BCSIR Laboratories, Dhaka**

***Industrial Research Division***

Personal Management Information System (PMIS)

**Personal Information:**

|  |  |  |  |
| --- | --- | --- | --- |
| Employee Id/Code | **11007** |  ছবি |  |
| Employee Name | **Kamol Hasan** |
| Father’s Name |  |
| Mother’s Name |  |
| Birth Date | 16.12.1987 |
| Home District | Rajbari |
| Gender | Male | Signature | C:\Users\ASUS\AppData\Local\Temp\Signeture Apu.PNG |
| National ID |  2697……।। | Blood Group | A (+Ve) |
| Cell No | +88 017222……।। | Passport No | AA 9353901 |
| Email  | ………@gmail.com  | Marital Status | Married  |
| GPF/CPF No |  R-289 | Religion | Islam |
| Field of Specialization | Renewable Energy, Power Electronics and Instrumentation | Driving License No |  |

Table 1- Personal Information

# Contact Information

|  |  |  |
| --- | --- | --- |
| Present Address | Permanent Address | **Emergency Contact** |
| Address | IPD, BCSIR Labs. Dhaka  | Address | Village: Bagmara | Name  |  |
| Post Office | New market  | Post Office | Surjanagar | Relation | Wife |
| Police Station | Dhanmondi | Police Station | Rajbari | Address  |  |
| Upazila | Dhanmondi | Upazila | Rajbari | Phone |  |
| District | Dhaka | District | Rajbari | Cell No | +88 |
| Tel No | +88 0 | Tel No | +88  | Email | hamidaneela1991@gmail.com |

Table 2- Contact Information

**Joining Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Rank/Class | First | Grade | 9th  |
| Post/Designation | Scientific Officer | Batch |  |
| Joining Subject  | Applied Physics | Joining Date | 12.07.2015 |
| Office Name | Institute of Fuel Research Division  | PRL Date | 16.12.2046 |
| Department | Institute of Fuel Research Division | Notification/Order No. & Date | 39.307.011.00.02.654.2014.862Date: 18.06.2015 |
| District | Dhaka | Merit Position  | 6th  |
| Police Station | Dhanmondi | Confirmation Date | 12.07.2015 |
| Upazila | Dhanmondi | Gazetted Date |  |
| Job nature | Revenue  | Endorsement Date |  |

Table 3- Joining Information

# Spouse and Children Information

|  |  |
| --- | --- |
|  **Spouse Information** |  **Children Information** |
| Spouse Name | Most… | Child Name | Gender | Birth Place(Country/District) | Remarks |
| Home District | Pabna |  |  |  |  |
| Occupation | Govt. Service Holder |  |  |  |  |
| Designation | ।। |  |  |  |  |
| Org Name |  |  |  |  |  |
| Org Address |  |  |  |  |  |
| Cell No |  |  |  |  |  |

Table 4- Spouse and Children Information

**Educational Information:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Degree** | **Group/Department** | **Board/University** | **Passing****Year** | **Result****(Division/GPA/CGPA)** | **Distinction** |
| SSC | Science | Dhaka | 2002 | 4.63/5 |  |
| HSC | Science | Dhaka | 2004 | 4.50/5 |  |
| B.Sc (Hons.) | Applied Physics, Electronics & Communication Engineering  | University of Dhaka | 2009 | 2.828/4 |  |
| M.Sc  | Applied Physics, Electronics & Communication Engineering | University of Dhaka | 2010 | 3.4318/4 |  |

Table 5- Education Information

**Training Information:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Type Local/****Foreign** | **Title** | **Institution** | **Country** | **Start****Date** | **End****Date** | **Grade** | **Position** |
| Local  | Training Course on Solar Photovoltaic (PV) Energy Technology | Institute of Fuel Research and Development (IFRD) | Bangladesh | 13.09.2015 | 16.09.2015 |  |  |
| Local | 2nd Special Foundation Training Course (SFTC) | Bangladesh Public Administration Training Centre | Bangladesh | 04.04.2016 | 02.06.2016 | A | 26 |
| Local | Training on operating system and maintenance of Wavelength Dispersive X-ray Fluorescence (WDXRF) | IMMM, BCSIR Joypurhat | Bangladesh | 14.03.2017 | 16.03.2017 |  |  |
| Local | Training on Project appraisal, EIA and formulation of DPP | National Academy of Planning and Development (NAPD) | Bangladesh | 16.07.2017 | 04.08.2017 |  |  |
| Local | Training on Thermogravimetric Analysis (TG/DTA) | PP&PDC,BCSIR | Bangladesh | 29.10.2017 | 31.10.2017 |  |  |
| Local | Innovation for civil service | A2I, PMO and P&D, BCSIR | Bangladesh | 15.11.2017 | 16.11.2017 |  |  |
| Local | Training on Elemental Analyzer | INARS, BCSIR | Bangladesh | 09.01.2018 | 11.01.2018 |  |  |
| Local | Basic Training on Photoluminescence  | BCSIR Central Labs | Bangladesh | 06.03.2018 | 07.03.2018 |  |  |
| Local | Digital Service Road Map 2021 | P&D, BCSIR | Bangladesh | 12.09.2018 |  |  |  |
| Local | Website operating, maintenance and updating  | BCSIR Labs. Dhaka | Bangladesh | 08.10.2018 |  |  |  |

Table 6- Training Information

**Workplace/Posting Information:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Workplace Status** | **S/N** | **Working Unit** | **Working Division** | **Working Section** | **District** | **Upazila** | **From Date** | **To Date** | **Till Today** | **Posting Unit** | **Designation** | **Remarks****(**e.g., Attachment/ Transfer/Promotion etc.**)** |
| Present | 1 | BCSIR Labs. Dhaka | IPD | Energy conversion and storage  | Dhaka | Dhanmondi | 21.11.2018 | ……. | Till Today | BCSIR Labs. Dhaka | SO | Transfer |
|  | 2 | BCSIR Labs.Rajshahi | Oils, Fats & Wases | Oils & Fats | Rajshahi | Motihar | 17.02.2016 | 19.11.2017 | ……. | BCSIR Labs.Rajshahi | SO | Transfer |
| 1 | IFRD  | Fuel | RET | Dhaka | Dhanmondi | 12.07.2015  | 16.02.2016 | ……. | IFRD | SO | Joining |
|  |  |  |  |  |  |  |  |  |  |  |  |

Table 7- Workplace/Posting Information

# ACR Information (For office use only)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Reporting Year** | **Submitted (Yes/No)** | **Submitted Date** | **Remarks** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Table 8- ACR Information

**Promotion Information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Designation**  | **Nature** | **Promotion date**  | **Go Date**  | **Go No** |
|  |  |  |  |  |
|  |  |  |  |  |

Table 9- Promotion Information

# Achievement

**A. Journal Article**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Publishing Year** | **Description** |
| JA-1 | 2018 | **Kamol Hasan,** Syed Farid Uddin Farhad, “High Efficiency Four Junction III-V Bismide Concentrator Solar Cell: Design, Theory, and Simulation”, International Journal of Renewable Energy Research, 8(3): 1762-1769; **2018.**  |
| JA-2 | 2018 | **Kamol Hasan,** Syed Farid Uddin Farhad, Nasifa Akter, Kawsar Ahmed, Mst. Sarmina Yesmin, Md. Abdul Jalil, Most. Hosney Ara Begum, Md. Moin Uddinand Most. Hamida Khatun, "Design, construction and performance studies of a non-electric refrigerator using eco-friendly refrigerant materials,” Journal of Fundamental of Renewable Energy and Applications, 8(4), **2018** |
| JA-3 | 2018 | **Sabbir Akhanda, Rummana Matin, Muhammad Shahriar Bashar, Munira Sultana, Kamol Hasan, Mashudur Rahaman and Zahid Hasan Mahmood,“**Effect of annealing atmosphere on structural and optical properties of CZTS thin films prepared by spin-coating”, Bangladesh Journal of Scientific and Industrial Research (BJSIR),53(1):13, **2018** |
| JA-4 | 2017 | **Sabbir Akhanda, Rummana Matin, Muhammad Shahriar Bashar, Kamol Hasan, Mashudur Rahaman and Zahid Hasan Mahmood, “**Experimental Study on Structural, Optical and Electrical Properties of Chemical Bath Deposited CdZnS Thin Films”, Journal of Fundamentals of Renewable Energy and Applications, Vol 7(1); 2017 |
| JA-5 | 2015 | **Kamol Hasan,** Md Abul Hossion, Md Sofikul Islam, Afrina Sharmin and Zahid Hasan Mahmood,” Analysis of theoretical efficiencies of GaInP2/GaAs/Ge multijunction solar cell,” The Dhaka University Journal of Applied Science and Engineering, Vol. 3, No.1 January, **2015.** |
| JA-6 | 2014 | **Kamol Hasan,** Abdullah Yousuf Imam, Mashudur Rahaman, Muhammad Shahriar Bashar, Md. Saidul Islam, Sumona Islam, Nowrin Akter Surovi and Zahid Hasan Mahmood, “Comparative study on the efficiencies of silicon solar cell”, IOSR Journal of Applied Physics (IOSR-JAP), ISSN: 2278-4861.Volume 6, Issue 6 Ver. IV, PP 13-17, **2014.** |

Table 10(a)- Journal Article

**B. Conference Proceedings**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Publishing Year** | **Description** |
| CP-1 | 2018 | **Kamol Hasan,** Most. Hosney Ara Begum*, “Design and Development of a Large Scale Solar Power Plant in Wetland”, International Conference on Physics,* P-147**,** 08-10 March**, 201 8**, **Bangladesh***.* |
| CP-2 | 2018 | **Kamol Hasan,** Syed Farid Uddin Farhad, Most. Hosney Ara Begum, Nazmul Islam Tanvir, Mohammad Sajjad Hossain, Most Hamida Khatun, *“Development of Energy Efficient Home Appliances to reduce the Electricity demand on National Grid”, Proceedings of 2nd International Conference on Sustain development,*15-17 February, **2018, Bangladesh** |
| CP-3 | 2017 | Shamima Khanom, Md. Kamal Hossain, Farid Ahmed, Md. Abul Hossain, **Kamol Hasan,** Mashudur Rahaman: *Simulation study of multijunction solar cell incorporating GaAsBi*. 2017 IEEE Region 10 Humanitarian Technology Conference (R10-HTC); **12/2017.** |
| CP-4 | 2016 | [Syed Nazmus Sakib,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Syed%20Nazmus%20Sakib.QT.&newsearch=true)[Syeda Puspita Mouri,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Syeda%20Puspita%20Mouri.QT.&newsearch=true)[**Kamol Hasan,**](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Abu%20Kowsar.QT.&newsearch=true)[Mashudur Rahaman,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Mashudur%20Rahaman.QT.&newsearch=true)[M. Shamim Kaiser](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.M.%20Shamim%20Kaiser.QT.&newsearch=true),“Theoretical Efficiency of AlAs/GaAs/GaAs0.91Bi0.085 Based New Multijunction Solar Cell and Effects of Solar Radiation and Sun Concentration on it”, *International Conference: MicroCom , Volume: 1,* ***2016*, India,** |
| CP-5 | 2015 | Syed Nazmus Sakib, Syeda Puspita Mouri , [Zannatul Ferdous](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=%22Authors%22:.QT.Zannatul%20Ferdous.QT.&newsearch=true), **Kamol Hasan,** M. Shamim Kaiser*,*Effect of different solar radiation on the efficiency of GaInP2/GaAs/Ge based multijunction solar cell”, 2nd International Conference on Electrical Information and Communication Technology (EICT), KUET, 2015, **Bangladesh** |
| CP-6 | 2010 | **Kamol Hasan,** Md. Sofikul Islam, Kazi Rizwana Mehzabeen and, Zahid Hasan Mahmood,” Solar Energy to Meet the Energy Crisis in Bangladesh”, 10th*International Conference on Environmental Aspects of Bangladesh*, Pp 113-115, 2010, **Japan.** |
| CP-7 | 2010 | **Kamol Hasan,** Md. Sofikul Islam, Kazi Rizwana Mehzabeen and, Zahid Hasan Mahmood,” Study on the Efficiency of the GaInP2/GaAs/Ge Multijunction Solar Cell,” *Proc. Of 10th International Conference on Environmental Aspects of Bangladesh*, Pp 116-119, September 4-8, 2010, **Japan.** |
| CP-8 | 2010 | **Kamol Hasan,** Kazi Rizwana Mehzabeen, Md. Sofikul Islam and Zahid Hasan Mahmood,” Determination of the theoretical efficiency of GaInP2/GaAs/GaAs1-xBix multijunction solar cell,” *10th International conference on fiber optics and Photonics Photonics (Photonics-2010)*, 317\_GP\_Kowsar\_Abu\_01, **India.** |
| CP-9 | 2010 | Md Abul Hossion, **Kamol Hasan,** Chandan Qumar Howlader, Zahid Hasan Mahmood, ‘‘Performance analysis of super high efficiency three junction series connected tandem solar cell”,*10thInternational Conference on Fiber Optics & Photonics, (PHOTONICS 2010: 402)\_TMS\_Hossain\_Abul\_ 2010*, **India.** |

Table 10(b)- Conference Proceedings

**C. Developed Process**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Year of Acceptance**  | **Description (including reference)** |
| DP-1 |  |  |
| DP-2 |  |  |
| DP-3 |  |  |
| DP-4 |  |  |
| DP-5 |  |  |

Table 10(c)- Developed Process

**D. Patent/Copyright**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Year of Acceptance** | **Description (including reference)** |
| P-1 |  |  |
| P-2 |  |  |
| P-3 |  |  |
| P-4 |  |  |
| P-5 |  |  |

Table 10(d)- Patent

**E. Books/Book Chapters**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Publishing Year** | **Description** |
| B-1 |  |  |
| B-2 |  |  |
| B-3 |  |  |
| B-4 |  |  |
| B-5 |  |  |

Table 10(e)- Books/Book Chapters

**F. Method Validation**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Year of Acceptance** | **Description (including reference)** |
| M-1 |  |  |
| M-2 |  |  |
| M-3 |  |  |

Table 10(f)- Method Validation

**G. Award/Grant**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Year** | **Description** |
| AG-1 | 2017 |  “Development of a high efficiency solar cell Simulator for cost effective solar panel fabrication, Special Allocation project, Grant: Ref. No: **39.00.0000.09.06.79.2017/ID-418/**4022, Date: 06.11.2018, Ministry of Science and Technology, Government of Bangladesh. |
| AG-2 | 2016 | Awarded third prize: Inter University Innovation Competition, Ministry of Power and Energy, Government of Bangladesh |
|  |  |  |
|  |  |  |
|  |  |  |

Table 10(g)- Award/Grant

**H. Other Achievements (If any)**

|  |  |  |
| --- | --- | --- |
| **S/N** | **Year** | **Description (including reference)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table 10(h)- Other Achievements (If any)

# Leave/Deputation Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **From** | **To** | **Description** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 11- Leave/Deputation Information

Former/Other Service

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Employer Name** | **Address** | **Service Type** | **Designation** | **From** | **To** | **Till Today** |
| Bangladesh Council of Scientific and Industrial Research (BCSIR)  | Institute of Fuel Research and Development (IFRD), BCSIR, Dhanmondi, Dhaka-1206 | Contractual | Post Graduate Fellowship | 04.05.2014 | 11.07.2015 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 12- Former/Other Service

# Other Activities/Assailment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Work/Job Nature** | **Role** | **From** | **To** | **Till Today** |
| Website, ICT and APA committee, BCSIR Laboratories, Rajshahi | Member &Member Secretary | 04.05.2016 | 19.11.2017 |  |
| Innovation sub-committee, BCSIR Laboratories, Rajshahi | Convener  | 05.04.2017 | 19.11.2017 |  |
| Website development and update committee, BCSIR Laboratories, Dhaka | Member Secretary | 18.03.2018 | …….. | Till today |
| PMIS, FAMS and Stock management system implement committee, BCSIR (Full time assign) | Member | 13.08.2018 | …….. | Till today |
| Monitoring, evaluation and visit of total 27 Special Allocation Project of Ministry of Science and Technology (MOST), GoB at different place of Bangladesh. | Member | Fiscal Year: 2017-18  |  |  |
| Seminar on “Design of a 100MW Solar Power Plant in wetland, Venue: Council Secretariat” at Bangladesh Council of Scientific and Industrial Research | Presenter  | 06.02.2017 |  |  |
| Seminar on, “Design and development of a low cost electric powerless novel green refrigerator” at BCSIR Laboratories, Rajshahi | Presenter | 29.05.2017 |  |  |

Table 13- Other Activities

**Disciplinary Information:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Occurrence** | **Date** | **Action** | **Punishment** | **Memo No** | **Remarks** |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 14- Disciplinary Information