# Nafis Irtija | Curriculum Vitae

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## Research Interests

Game Theory; Reinforcement Learning; Distributed decision making; Artificial Enabled Solutions; Network economics based personalized pricing and fairness.

## Education

**Ph.D in Computer Engineering**                                                    **2020 - Present**
*University of New Mexico*
Advisor: Dr. Eirini Eleni Tsiropoulou

**Master of Science in Electrical and Electronic Engineering**           **2016 - 2018**
*University of Dhaka*                                                                *Dhaka,Bangladesh*
CGPA:3.61/4.00

**Bachelor of Science in Electrical and Electronic Engineering**        **2012 - 2016**
*University of Dhaka*                                                                *Dhaka,Bangladesh*
CGPA:3.80/4.00

## Work Experience

**Research Assistant**                                                      **January 2020-Present**
*Performance & Resource OpTimizatiOn in Networks (PROTON) Lab*
Department of Electrical and Computer Engineering,University of New Mexico

**Teaching Assistant**                                                   **January 2020-May 2020**
*ECE131 Programming Fundamentals*
Department of Electrical and Computer Engineering,University of New Mexico

**Lecturer**                                                      **December 2018-December 2019**
*Department of Electrical and Electronic Engineering*
Bangladesh University of Business and Technology (BUBT)

## Publications

- **Contract-Theoretic Demand Response Management in Smart Grid Systems**
  **Irtija, N.**, Sangoleye, F., & Tsiropoulou, E. E. (2020). Contract-Theoretic Demand Response Management in Smart Grid Systems. IEEE Access, 8, 184976-184987.
- **Data Acquisition in Social Internet of Things based on Contract Theory**
  Sangoleye, F., **Irtija, N.**, & Tsiropoulou, E. E., IEEE ICC 2021 (Under Review)
- **Fatigue Detection Using Facial Landmarks**
  **IRTIJA, N.**, SAMI, M., & AHAD, M. A. R. (2018). Fatigue Detection Using Facial Landmarks. In International Symposium on Affective Science and Engineering ISASE2018 (pp. 1-6).

Japan Society of Kansei Engineering.

## Achievements

**ITPEC Examination Gold Award**                                    **October 2018**
*Fundamental Information Technology Engineer Examination (ITEE-FE)*
for achieving the highest score among all ITPEC countries.

## Technical Skills

- **Programming Languages:** Python, C, C++, Matlab, Assembly.
- **Software Skills:** Wireshark, Burp Suite, Vivado.