

# CURRICULUM VITAE

## MD. FAHEL BIN NOOR

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## ACADEMIC CREDENTIALS

### Bachelor of Science in Mechanical Engineering (March 2015- October 2019)

Department of Mechanical Engineering, Chittagong University of Engineering and Technology, Bangladesh.

CGPA: 3.67/4.0 (Ranked 10th out of 130 students in the department)

## ENGLISH PROFICIENCY (NOVEMBER 12, 2020)

IELTS Score: 7.5 (Listening 8.5; Reading 7.5; Writing 7; Speaking 7)

## GRADUATE RECORD EXAMINATION (SEPTEMBER 02, 2021)

Score: 313

Quant: 163, Verbal: 150,

AWA: 4.0

## RESEARCH INTERESTS

Computational Materials Science, High Temperature Materials, Carbon-based Nanomaterials, Heat Transfer Between Materials

## RESEARCH EXPERIENCES

One-year Undergraduate Thesis and Project under the supervision of Dr. Md. Abu Mowazzem Hossain, Assistant Professor, Department of Mechanical Engineering, Chittagong University of Engineering and Technology. During this period, we successfully conducted- **Comparative Steady- State Thermal Analysis of Two-Wheeler Engine Cylinder by Varying Its Material.**

## PUBLICATIONS

- 1) **F. Bin Noor**, A. Hossain, and A. Habib, "Experimental Evaluation with Comparative Steady- State Thermal Analysis of Two-Wheeler Engine Cylinder by Varying Its Material," Presented at the 5th International Conference on Mechanical Engineering and Renewable Energy (ICMERE19), 11-13 December, 2019. Chittagong, Bangladesh. (Paper Id-ICMERE19-253)
- 2) **F. Bin Noor**, B. Mallick, A. Habib, and N. Bin Noor, "Comparison of Performance And Cost of Wind And Solar Hybrid System For Saint-Martin Island Using Homer Software," Presented at the 5th International Conference on Mechanical Engineering and Renewable Energy (ICMERE19), 11-13 December, 2019. Chittagong, Bangladesh. (Paper Id-ICMERE19-039)
- 3) B. Mallick, R. K. Das, **F. Bin Noor**, S. C. Banik, and A. Habib, "Performance Enhancement of an Automobile Radiator by Using a Nozzle Arrangement," International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol. X, no. X, pp. 1–6, 2019.
- 4) A. Habib, K. Bhuiya, **F. Bin Noor**, and B. Mallick, "Biodiesel Production From Castor Seed Oil As An Alternative," Presented at the 5th International Conference on Mechanical Engineering and Renewable Energy (ICMERE19), 11-13 December, 2019. Chittagong, Bangladesh. (Paper Id-ICMERE19-186)
- 5) **F. Bin Noor**, B. Mallick, A. Habib, "Heat storage system: A modern way to reuse and recycle energy to reduce thermal pollution," Presented at the International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE18), 23-24 December, 2018. Khulna, Bangladesh. (Paper Id-ICMIEE18-187)

## AWARDS/HONORS

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- 1) Education Board scholarship during B.Sc. (4 years).
- 2) Departmental award for being in the top 10% students (Ranked 10<sup>th</sup> out of 130 students).

## JOB EXPERIENCE

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Position	Department	Institution
Production Engineer (March 2020-Present)	Production Department, Re-heating Furnace and Rolling Module.	BSRM STEELS LTD, Chittagong, Bangladesh.

## TRAININGS & INTERNSHIPS

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- 1) **Dec '18- Jan'19:** Carriage & Wagon Workshop, Bangladesh Railway, Chittagong, four weeks internship program at Bangladesh Railway based on 'functionalism of different equipment of the railway's workshop, knowledge on different machines, machine tools, technical process & their operating procedures'.
- 2) Bangladesh Steel Rolling Mills (BSRM) Ltd. Fourteen days internship program at BSRM based on '**Industrial automation and production system.**'

## TEACHING EXPERIENCES

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- 1) **Lecturer of Physics (Part-time) (2015-2019)** at "Fetus Science Care" (A Coaching Center for Higher secondary School)
- 2) **Lecturer of Physics (Part-time) (2018-2020)** at "Redox University Admission Care" (An organization that helps students to get admitted in their undergraduate university by appearing entrance examination).

## EXTRACURRICULAR ACTIVITIES

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- **Research Development Coordinator** (September 2018- September 2019), IEEE Student Branch CUET.
- **Research & Publication Secretary** (September 2018-September 2019), Andromeda Space & Robotics Research Organization (ASRRO).
- **Joint Finance Secretary** (January 2018-September 2019), Chittagong Student Forum, CUET.

## SOFTWARE SKILLS

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- **Programming Languages:** Fortran, C, Python
- **Simulation software:** ANSYS, COMSOL, MATLAB, LAMMPS.
- **Designing software:** AutoCAD, SOLIDWORKS
- **Others:** Microsoft Office, Latex.