

## EDUCATIONAL QUALIFICATION

YEAR	QUALIFICATION/DEGREE	INSTITUTE/SCHOOL	PERFORMANCE
2020-Till date	Master of Technology (Mechanical Engineering)	Indian Institute of Technology, Kanpur	7.75 (CPI)
2015-19	B.Tech (Mechanical Engineering)	Muzaffarpur Institute of Technology, Muzaffarpur	72.96 %
2013-15	Class XII (BSEB Patna)	SRI Ambika H/S Ami Saran	77.20 %
2013	Class X (BSEB Patna)	F.N.S Academy, Patna	77.80 %

## EDUCATIONAL EXPERIENCE AND PROJECTS

<b>MTech-THESIS</b> (Supervisor-Professor Avinash Kumar Agarwal) Co-supervisor-Dr.Amir F.N. Abdul Manan)	<p>Topic: <b>Life Cycle Assessment (LCA) and Total Cost of Ownership (TCO) of different engine and fuel technology</b></p> <p>Tools Using: <b>Microsoft Excel, OriginPro2021b, GREET, OpenLCA</b></p>
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## During MTech so far-

- Calculated and analyzed **Total Cost of Ownership (TCO) of BEV and ICEV for Delhi and Mumbai**
  - Received "**Best Paper Award-2021**" for contributing paper in Sixth International Conference on **Sustainable Energy and Environmental Challenges (VI-SEEC)**
- Written a book chapter named "**Review of Life Cycle Analysis Studies of Less Processed Fuel for Gasoline Compression Ignition Engines**" published in the book named "**Gasoline Compression Ignition Technology**" whose publisher is **Springer Singapore**, co-authors: **Dr. Amir F. N. Abdul-Manan, Dr. Gautam Kalghatgi, Dr. Avinash Kumar Agarwal**

## RELEVANT COURSE WORKS

Alternative fuels and Advanced in IC Engines   Computational Fluid Dynamics and Heat transfer   Conduction and Radiation   Combustion   Viscous flow theory   Convection   Micro-Scale Thermal Engineering   Human, Environment and Sustainable Development
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<b>BTech PROJECT</b> (2019)	Topic: <b>HYDRAULIC CRANE</b>
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## INTERSHIPS AND TRAINING

- Place – "**Honda Cars Dealership Workshop**" at Muzaffarpur (Bihar)
- Topic- **Automobile parts and maintenance**
- Learnings** - General maintenance and repair skills of automobile car, such as engine repair, brakes work, maintenance and inspection, car electrical system and electronics, steering system, suspension system, HVAC

<b>SKILLS -</b>	<ul style="list-style-type: none"> <li><b>HARDWARE:</b> Electronic Control Unit (ECU), Data Acquisition System (DAQ), Exhaust Emission Particle Sizer Exhaust Emission Analyzer for regulated Species,</li> <li><b>SOFTWARES:</b> GREET, OpenLCA, MYSQL, OriginPro2021b, MS Suite: Word, Excel, PowerPoint</li> <li><b>PROGRAMMING:</b> PYTHON, MATLAB</li> <li><b>MANAGERIAL:</b> Mess Manager, Organizing Team Member</li> </ul>
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## EXTRACURRICULAR ACTIVITIES AND RESPONSIBILITIES

- Served as a **Mentor** in **PRAYAS (Social group)**, which work for economically constraint students near IIT Kanpur
- Served as a **Volunteer** in **BALAKSHYA (Social group)**, which work for economically constraint students near MIT Muzaffarpur during BTech
- Managed Mess** of a hostel at MIT Muzaffarpur for two years during BTech
- Served as a **Member** of **JUNOON (Cultural group)** at MIT Muzaffarpur during BTech

<b>INTEREST</b>	<b>Badminton, Cricket, Chess, Geo-politics</b>
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