



**SIDDHARTH VISHWAKARMA | MASTER OF TECHNOLOGY**  
**FOOD PROCESS ENGINEERING, AGRICULTURAL AND FOOD ENGINEERING**  
**DEPARTMENT, INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, INDIA**



**Academic Qualification:**

Year	Degree	Institute/ Board	CGPA/ Percentage
2019	M. Tech. (Food Process Engineering)	Indian Institute of Technology Kharagpur	9.00/ 10 (On going)
2017	B. Tech. (Agricultural Engineering)	Jawaharlal Nehru Agricultural University Jabalpur	7.46 / 10
2013	Senior School Certificate Examination	Central Board of Secondary Education	80.4 %
2011	Secondary School Examination	Central Board of Secondary Education	7.2 / 10

**Projects undertaken:**

Institute	Project Title and Objectives	Year	Under the Guidance
M.Tech., IIT Kharagpur	<b>Process Technology for the development of Milk Tablets</b> <ul style="list-style-type: none"><li>❖ Design of tablet making machine.</li><li>❖ Optimization of solubility parameters.</li><li>❖ Sensory, physical and chemical analysis of developed milk tablets.</li></ul>	2018-2019	<b>Professor H N Mishra</b> Department of Agricultural and Food Engineering , Indian Institute of Technology Kharagpur
B. Tech., Jawaharlal Nehru Agricultural University Jabalpur	<b>Study of different types of Sensors used in Agriculture</b> <ul style="list-style-type: none"><li>❖ Exhaustive search about sensors used in different areas of agriculture.</li><li>❖ Review of efficient sensors used in farming.</li></ul>	2016-2017	<b>Professor K. B. Tiwari</b> Department of Farm Machinery and Power Engineering, Jawaharlal Nehru Agricultural University Jabalpur

**Research Interests:**

Hyperspectral Imaging assessment of food quality; Non- thermal processing of foods; Dairy Processing operations and Packaging Technologies; Novel Technologies in Food Processing; Post harvest operations; Food Analysis; Food Safety and Quality.

**Conference:**

International Conference on Recent Advances in Food Processing Technology

August 17 -19, 2018

- ❖ Presented poster on Design of Milk tablet making machine in Food Engineering Section at Indian Institute of Food Processing Technology Thanjavur, India.

### **Major course/lab work information**

Food Chemistry and Microbiology | Advanced Mechanical Operations in Food Processing | Instrumentation and Control in Food Industries| Non-Thermal Processing of Food | Food Process and Product Technology | Grain Storage Principles and Structures| Advanced Thermal Operation in Food Processing | Computer Programming | Refrigeration & Air Conditioning| Food Plant & Equipment Design | Mass Transfer Operations in Food Processing| Food Analysis Laboratory | Food Chemistry & Microbiology Lab | Food Engineering Lab – I and II.

### **Training/ Internships underwent:**

#### **Centre for Research and Industrial Staff Performance**

07-01-2015 to 07-01-2016

- ❖ Completed 1-month training on AutoCAD and worked upon designing of different models.
- ❖ Completed 1-month training on JAVA (J2SE) and learned the basics of JAVA language and then worked upon NetBeans and SQL DBMS.

#### **INDIAN INSTITUTE OF SOIL & WATER CONSERVATION RESEARCH CENTRE, DATIA**

June 1-30, 2016

- ❖ Methods to determine the capacity of ponds, flow rate of channels and plane table surveying.

#### **Environmental Planning and Coordination Organization (EPCO)**

March 21-22, 2017

- ❖ Climate Change Impact on Industry, Environment, Agriculture & Modernization of society.

### **Skills and Expertise:**

**Soft Skills:** Determined, focused, hardworking and believe in team-work; Highly dedicated towards accomplishing goals; Good Presentation skills; Good communication skills; Can communicate well in English.

### **Technical Skills:**

- ❖ Programming Languages: C, Python and JAVA (Basic).
- ❖ Software Packages: SOLIDWORKS, Microsoft Office and AutoCAD.

### **Awards and achievements:**

- ❖ Presented a seminar on Smart Organic Gardening at IIITDM Jabalpur, India and won the John Deere Best Innovation Award in Agriculture.
- ❖ Got 2nd position in the 50th Foundation Day of JNKVV, Jabalpur by presenting a PowerPoint presentation on 'Online vegetable selling' methods.
- ❖ Qualified GATE 2017 examination in Agricultural Engineering paper with All India Rank (AIR) 50.
- ❖ Recipient of M. Tech scholarship from Ministry of Human Resource Development, Govt. of India for the academic year 2017 – 2019.

**Extracurricular activities:**

- ❖ Got 2nd position in Inter-university Table Tennis Competition 2017 held at Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur.
- ❖ Chess competition winner at Shri Swami Shalagramacharya Gurukul.
- ❖ Work as a team leader in 'SMART ORGANIC GARDENING' unofficial project for the conference at IIITDM Jabalpur, India.
- ❖ Member of winner team in the Quiz competition at D.A.V. Centenary Public School, Kuteshwar, India.

**Personal and mailing details:**

Date of birth: February 7<sup>th</sup> 1996

Languages known: English and Hindi.

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