

# BRIJESH KUMAR

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## Present Communication Address:

CIPET, Bhubaneswar  
B/25, CNI Complex, Patia  
Bhubaneswar - 751024  
Odisha (India ).

**Preferred Location:** Anywhere in the Globe.

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**Objective:** I would like to dedicate all my knowledge and strength to develop my career as a Material Science Engineer and also would like to be a successful professional through concentrated effort, creativity and teamwork.

## Scholastics

| Qualification  | College/University   | Year of passing | Class/Division |
|--|--|-----------------|----------------|
| M.Sc.TECH 5 Years Integrated<br>(Material Science & Engineering) | Central Institute Of Plastics Engineering & Technology (gov of India)<br>Bhubaneswar/ Utkal University | 2017            | 65%            |
| 12 <sup>th</sup>   | Uttar Pradesh Board  | 2012            | 74.5%          |
| 10 <sup>th</sup>   | CBSE Board   | 2010            | 6.8 CGPA       |

**Work Experience:** Project Assistant ( ODIQUEST) 6 Months .

**Job Responsibilities:** To provide general Administrative support to Project under the direction of Project Manager , basically produce proposal, plans , reports and maintain project file and database.

## Equipment Exposure

### MATERIAL PROCESSING

#### PLASTIC PROCESSING:

Injection Molding, Extrusion Molding, Blow Molding, Thermoforming, Calendering, Rotational Molding, Compression Molding, Transfer Molding, Plastic Foam Molding, Sintering.

**CERAMIC PROCESSING:** Glass forming process ,Drawing, hot and cold pressing, Fiber forming, Blowing. Powder pressing, Slip casting, Hydroplastic forming, Extrusion, Sintering, Jiggering, Sol-gel processing, Ceramic coating, Fusion casting, Drying & Firing.

**COMPOSITE PROCESSING:**

Hand layup, Resin Transfer Molding (RTM), Reaction Injection Molding (RIM), Vacuum-assisted resin Transfer Molding (VARTM) ,Compression molding, Injection molding, Filament winding, Pultrusion, Tube rolling ,Centrifugal casting, Extrusion.

**METAL PROCESSING:**

Casting Molten Metals into a given shape (foundry) Hammering or Pressing metals into the shape of a die , Welding and Cutting sheet metal, Sintering (compressing and heating materials in powder form), Shaping metals on a Lathe.

**PRODUCT TESTING**

- Universal Testing Machine (UTM) , Rockwell Hardness and Melt Flow , Index Testers, Ultrasonic Testing, Stress and Strain relations and Analysis, Tensile, Compression, Shear, Torsion, Impact Test, Creep Test, Fatigue, Fracture Toughness Test.

**MATERIAL CHARACTERIZATION**

- Differential Scanning Calorimeter(DSC), Thermo Gravimetric Analysis (TGA), Differential Thermal Analysis(DTA), Spectroscopy, Scanning Electron Micrograph (SEM), Transmission Electron Micrograph(TEM).

**Academic Projects**

- **M. Sc.Tech ( Material Science & Engineering ) 10<sup>th</sup> sem:**
  - ⊖ **Title :** Mechanical Properties of Fiber Reinforced Polymer Composite Doors
  - ⊖ **Guide Name :** Mrs. N. PATNIAK ( Managing Director)
  - ⊖ **Organization:** M/s FiberSpace Composite Pvt. Ltd.  
A/25 CNI Complex Patia Bhubaneswar Odisha

**Vocational Training (M.Sc. Tech)**

- M/s Fiber Composite Private Limited, Chandaka Industrial Estate, Bhubaneswar, Odisha.  
Period-16 June 2014 to 21 June 2014.

- Maa Bimala Polymers Private Limited, Bhubaneswar, Odisha.  
Period- 2 November 2014 to 2 December 2014.
- Entrepreneurship Development Programme Under Ministry of MSME.  
Period-13 February 2015 to 27 February 2015.
- Lingraj Pipes Private Limited , Bhubaneswar, Odisha.  
Period -7 June 2015 to 7 July 2015.
- Dazzle Pvt. Ltd. (Water Treatment Plant) Bhubaneswar , Odisha.  
Period -20 December 2016 to 29<sup>th</sup> December 2016.
- Certificate Course in FIRE SAFETY of three months with 70 % marks.
- Certificate Course in Startupindia Learning Program , April 16 , 2017.

### **Presentations**

- ✓ **Poster:** Participated Poster Presentation in the International Conference on “**Advancement in Polymeric Materials**” (APM - 2013).
  - Attended the Advancement in polymeric materials LARPM, CIPET.
  - **Seminar :**
    - ⊖ **M.Sc. Tech : Solid Waste Recycling**

### **Computer Proficiency**

- Basic computer knowledge.
- Power Point Presentation & MS-Office.

**Interest in Area :**      Research & Development in Material Science & Engineering field.

- Quality Control & Testing of Material.
- Synthesis and Blending of polymers.
- Plastic Processing & Composite processing.
- Metal Processing & Ceramic Processing.

**Languages Known:**

| Language | Read | Write | Speak |
|----------|------|-------|-------|
| English  | Y    | Y     | Y     |
| Hindi    | Y    | Y     | Y     |
| Oriya    | N    | N     | Y     |

**Personal Skill:**

- A dynamic individual with highly motivated & positive attitude towards life.
- Extremely energetic, flexible, quick learner, Punctual, eager to work in group, & **willing to go anywhere for the job, if required.**

**Hobby** : Playing Cricket, Watching movies, listening to Music,  
Playing computer games.

**Motto** : Protection of good Destruction of bad .

**Personal Details:**

**Date of Birth** : 12<sup>th</sup> February, 1993.  
**Father's Name** : Rajendra Prasad Yadav.  
**Mother's Name** : Vimala Yadav.  
**Marital Status** : Single  
**Blood Group** : 'A' +ve  
**Passport No.** : P0331920 valid upto 2026.  
**Nationality** : Indian

**Permanent Communication Address:**

**Vill. & P.O.** : L 2 A 1163/13  
**P.S.** : A Block Indiar Nagar Lucknow  
**Dist.** : Lucknow  
**PIN Code** : 226016  
**State** : Uttar Pradesh (India ).

**Declaration:**

I declare that all the information stated above are true to the best of my knowledge & documents can be arranged in or around your place.

Place -Bhubaneswar

signature: .....

Brijesh Kumar