

Company Overview

Shreeja Bio-Tech is a leading renewable energy company specializing in Waste-to-Energy (WTE), Bio-CNG (CBG) plant designing, and large-scale turnkey project execution. With a strong focus on cutting-edge biogas technology, anaerobic digestion, and carbon reduction strategies, we provide end-to-end solutions for industries, municipalities, and private enterprises looking to transition towards sustainable energy sources.

Our expertise in high-efficiency biogas plants, advanced feedstock preparation, and hybrid gas purification systems enables us to deliver innovative solutions that maximize energy recovery while reducing environmental impact.

Mission

“To develop, innovate, and implement world-class renewable energy solutions that transform organic waste into high-value, sustainable energy resources while promoting environmental responsibility.”

Vision

“To establish Shreeja Bio-Tech as a global leader in Waste-to- Energy and Bio-CNG production, delivering cost-effective, sustainable, and high-performance solutions that contribute to a cleaner, greener future.”

Our Strengths

- **Industry Leaders in Waste-to-Energy** – Proven expertise in designing and executing bio-CNG and effluent treatment projects.
- **Advanced Bio methanation Technology** – Implementing Modified UASB, CSTR digesters, and Hybrid Water Scrubbing & PSA systems.
- **Turnkey Solutions from Concept to Commissioning** – Engineering, installation, commissioning, and post-implementation support.
- **Sustainable & Scalable Projects** – Focused on optimizing renewable energy resources for long-term economic and environmental benefits.
- **Strong National & International Presence** – Executing and managing large-scale waste-to-energy plants in India, Malaysia, and other global locations.

Core Focus Areas

- ❖ **Waste-to-Energy Research & Development** – Innovating new bio methanation technologies and anaerobic digestion advancements.
- ❖ **Renewable Energy Solutions** – Expertise in bio-CNG, biomethane, and integrated organic waste-to-energy models.
- ❖ **CBG Plant Designing & Optimization** – Specialization in custom, scalable, and high-efficiency compressed bio-gas (CBG) plants.
- ❖ **Turnkey Project Execution** – Complete waste-to-energy solutions, including engineering, procurement, and commissioning.
- ❖ **Hybrid Biogas Upgradation Systems** – Industry-leading Water Scrubbing & PSA hybrid systems for methane purification.
- ❖ **Pioneer in R&D for next-generation Waste-to-Energy** solutions, integrating automation & AI-based monitoring systems.
- ❖ Focused on optimizing plant efficiency, gas yield, and long-term sustainability for renewable energy facilities.

Pooja Pankaj Khatri – Partner, Finance Manager

Pooja Khatri, a **seasoned professional in advanced statistics and business management**, serves as the **Finance Manager** of Shreeja Bio Tech. With her strong leadership skills and strategic mindset, she oversees the **entire company's operations**, ensuring smooth execution of projects, financial planning, and workforce management. Her expertise in **business analytics and decision-making** strengthens the company's ability to achieve long-term success.

PROFILE OF PARTNER & FINANCE MANAGER – POOJA PANKAJ KHATRI

Name: Pooja Pankaj Khatri

Designation: Partner & Finance Manager

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

Experience: 7+ Years in Finance, Analytics & Academic Leadership

PROFESSIONAL SUMMARY

Pooja Pankaj Khatri is a **seasoned finance and business management professional** with strong academic roots in **advanced statistics** and over **seven years of experience** in teaching, administration, and business leadership. As a founding **Partner and Finance Manager** at **Shreeja Biotech**, she plays a pivotal role in shaping the company's strategic and financial direction.

Known for her **analytical acumen, decision-making precision,**

and **leadership in operational control**, Mrs. Khatri ensures that all projects are financially sound, administratively robust, and organizationally aligned for long-term success. Her ability to streamline budgets, allocate capital efficiently, and oversee operations makes her one of the driving forces behind Shreeja Biotech's rapid growth.

CORE COMPETENCIES

- Corporate Financial Planning & Budget Allocation
- Project Finance & Loan Documentation
- Cost Analysis & Resource Optimization
- Team Leadership & Human Resource Oversight
- Legal Documentation & Vendor Management
- Strategic Forecasting & Business Planning
- Performance Monitoring & KPI Evaluation
- Stakeholder Communication & Bank Relations

KEY RESPONSIBILITIES AT SHREEJA BIOTECH

- Overall leadership in **financial planning, forecasting, and reporting**
- Preparation of **project documentation for banks, investors, and government schemes**
- Oversight of **daily operations**, workforce management, and vendor communications
- Ensuring **regulatory compliance**, grant utilization, and fund disbursement tracking
- Leading discussions with **lenders, auditors, and legal advisors** for

project finance

- Supervising commercial negotiations, budget controls, and cash flow

IMPACT & VISION

With her **education in M.Com. and specialization in advanced statistics**, Mrs. Pooja Khatri bridges the gap between finance and operations seamlessly. Her focus on data-driven strategies, accountability, and organizational discipline enhances the credibility of every project undertaken by Shreeja Biotech.

As the company's financial anchor, she is committed to ensuring that Shreeja's bio-energy ventures remain transparent, compliant, and scalable across India and internationally.

PROFILE OF FOUNDER & PARTNER – PANKAJ HEMANT KHATRI

Name: Pankaj Hemant Khatri

Designation: Founder & Partner

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

Experience: 15+ Years in Education, Innovation & Bio-Energy Technologies

VISIONARY LEADER IN GREEN ENERGY INNOVATION

Pankaj Hemant Khatri is the **visionary founder and strategic force** behind **Shreeja Biotech**, a leading renewable energy enterprise based in Surat, Gujarat. With a strong academic foundation in **English and Business**

Administration, and over **15 years of progressive leadership experience**, Mr. Khatri has positioned himself as a **pioneer in India's bio-CNG movement**.

His journey is built on a mission: **to blend science, sustainability, and smart engineering into real-world solutions for India's energy and agricultural future**. Under his leadership, Shreeja Biotech has designed and executed advanced solutions for **Bio-CNG production, fertilizer recovery, carbon sequestration, and waste-to-wealth circular models**.

CORE COMPETENCIES

- Bio-CNG Plant Design, Finance & Execution
- Thermochemical & Anaerobic Digestion Process Development
- Semi-Cryogenic Biogas Upgradation & CO₂ Recovery Systems
- Government Liaisoning & Financial Institution Coordination
- Industrial Automation & Engineering Process Oversight
- Legal Structuring, MoUs, DPRs & Technical Tender Documentation
- Teaching, Leadership & Team Mentoring (15+ Years)

MAJOR INTERNATIONAL ENGAGEMENT

Client: Ajil Biofuel Sdn. Bhd. (Malaysia)

Role: International Technical Consultant

Project: 2.4 MWe Biogas Plant (Raub, Pahang, Malaysia)

Scope: Feasibility, Engineering, Procurement, Commissioning, Optimization, and Technical Support

Technology: CSTR-MBR using Palm Oil Mill Effluent

Contract Value: ₹2.55 Crore

Duration: 2023–2024

This engagement further proves Mr. Khatri's global credibility in **project execution, stakeholder management, and scientific application** of anaerobic technologies.

CONTRIBUTIONS TO SHREEJA BIOTECH

As Founder & Partner, Mr. Khatri is directly responsible for:

- Ideating and developing India's first **semi-cryogenic Bio-CNG upgradation system** (patent-pending)
- Leading bank finance proposals and government grant applications under MNRE
- Establishing R&D workflows for **Napier Grass slurry optimization, Screwpress preprocessing, and CO₂ commercialization**
- Creating strategic partnerships, e.g. with **Augustina Tradelink Sdn. Bhd.** for international technology support

SCIENTIFIC & INNOVATIVE EDGE

Mr. Khatri's proprietary contributions in the area of **semi-cryogenic gas separation**—using multi-stage compression, precision chilling (-20°C), and molecular separation—have opened scalable new avenues in **biogas purification to 98% methane**. His proposed extraction and commercialization of **food-grade CO₂** aligns with industrial and medical

markets in the ₹45–₹55/kg price band.

These innovations make Shreeja Biotech’s technology not just competitive, but **future-ready and internationally relevant**.

LEGACY & PURPOSE

Pankaj Khatri’s vision of **technology as a tool for “Ram Raja”**—where **nature, humanity, and energy** coexist harmoniously—has driven his lifelong commitment to the cause of renewable solutions. His leadership in Shreeja Biotech assures that every project is built on values of **ethics, efficiency, and environmental prosperity**.

HEAD OF PLANT DESIGN & IMPLEMENTATION – ANAND KAPADIYA

Name: Anand Kapadiya

Designation: Head – Plant Design & Implementation

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

Experience: 20+ Years

PROFESSIONAL SUMMARY

Anand Kapadiya is a veteran **Mechanical Engineer** with over **20 years of hands-on experience** in conceptualizing, designing, and implementing large-scale **waste-to-energy** and **Bio-CNG projects** across India and Southeast Asia. His deep domain expertise in **biomass gasification, anaerobic digestion, and biogas purification technologies** makes him one of the most sought-after

professionals in the renewable energy sector.

He is currently serving as the **Head of Plant Design & Implementation** at **Shreeja Biotech**, leading a multidisciplinary team of engineers and technicians to deliver technically advanced and economically optimized Bio-CNG projects.

CORE COMPETENCIES

- Process Design and Engineering of Bio-CNG and Biogas Plants
- Specialized in Semi-Cryogenic Gas Upgradation and CO₂ Recovery
- Mechanical Layouts, P&ID, Utility Design, and 3D Plant Modeling
- Equipment Sizing, Thermodynamic Simulation, and Process Optimization
- Project Feasibility Assessment and CAPEX Planning
- End-to-End Plant Commissioning and Technical Audit
- Cross-border Technical Collaboration (India, Malaysia)

LEGACY & VISION

Anand Kapadiya's contribution to India's sustainable energy ecosystem is backed by two decades of expertise, consistent innovation, and outcome-oriented project execution. His leadership at Shreeja Biotech assures project financiers, government bodies, and stakeholders of the company's strong technical foundation and futuristic outlook.

HEAD OF PLANT DESIGN & IMPLEMENTATION – HARSH PATEL

Name: Harsh Patel

Designation: Structural Engineer

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

Experience: 5+ Years

PROFESSIONAL SUMMARY

Harsh Patel is a highly skilled and dynamic **Structural Engineer** with over **five years of professional experience** in the field of civil and structural design,

analysis, and execution. Based in Surat, Gujarat, he has worked across a broad range of projects, including **industrial infrastructure, bio-energy facilities, commercial buildings, and high-load structural systems.**

With a sharp focus on sustainable engineering and cost-efficient construction, Mr. Patel brings practical knowledge, innovative solutions, and strict adherence to international codes and safety standards. He is now officially associated with **Shreeja Biotech** as the **Lead Structural Engineer** responsible for overseeing structural planning, designing, analysis, and execution of the **Bio-CNG plant infrastructure.**

CORE COMPETENCIES

- Structural Design of RCC, Steel, and Composite Buildings
- AutoCAD, STAAD.Pro, ETABS, Revit Structures
- Load Calculations, IS Code Compliance, Soil & Foundation Studies
- Pre-Engineered Building (PEB) Structures
- Earthquake-resistant and wind-load-tolerant design principles
- Cost Estimation and Quantity Surveying (BOQ)
- Project Coordination with Civil and MEP Teams
- Civil Works Execution Monitoring

COMMITMENT TO EXCELLENCE

Mr. Harsh Patel is committed to delivering **durable, economically viable, and compliant** structural solutions for complex bio-energy installations. His association strengthens Shreeja Biotech's ability to meet the highest benchmarks in the industry, assuring stakeholders and financial institutions of the plant's **technical integrity and build quality.**



PROFILE OF CIVIL ENGINEER – DHANESH HARESH PORIYA

Name: Dhanesh Haresh Poriya

Designation: Civil Engineer

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

Experience: 6+ Years

PROFESSIONAL SUMMARY

Dhanesh Haresh Poriya is an experienced and resourceful **Civil Engineer** with over **six years of professional expertise** in construction management, site execution, infrastructure development, and large-scale civil works. Based in Surat, Gujarat, he has consistently delivered high-quality engineering results across industrial, commercial, and renewable energy projects.

He is currently associated with **Shreeja Biotech** as a **Civil Engineering Specialist**, entrusted with the complete civil works development for Bio-CNG plant infrastructure — from earthwork planning to execution monitoring.

CORE COMPETENCIES

- RCC and Industrial Building Construction
- Site Planning, Execution, and Supervision
- BOQ Preparation and Quantity Estimation
- Project Scheduling, Resource Planning, and Cost Control
- Earthwork, Roadworks, and Structural Foundations
- Quality Control & Adherence to IS Codes and Safety Norms
- Coordination with Structural, Mechanical & Electrical Teams
- Billing, Contractor Management, and Site Reporting

COMMITMENT TO QUALITY

Mr. Poriya's robust experience and dedication to precision construction ensure that all civil works under Shreeja Biotech are built to withstand operational loads, environmental conditions, and long-term usage. His presence assures investors, clients, and partners of the project's structural and executional strength.

PROFILE OF PROJECT MANAGER – VISHAL BABUBHAI KAKU

Name: Vishal Babubhai Kaku

Designation: Project Manager

Affiliated Company: Shreeja Biotech

Location: Surat, Gujarat, India

PROFESSIONAL SUMMARY

Vishal Babubhai Kaku is a dedicated **Project Manager** with a background in commerce and over **four years of diverse experience** managing projects across the **renewable energy, infrastructure, and utility sectors**. A graduate in **Bachelor of Commerce (B.Com)**, he brings a practical, financially responsible, and execution-focused approach to every assignment.

At **Shreeja Biotech**, he plays a key leadership role in managing the **implementation and operational control** of Bio-CNG and other green energy projects. His ability to coordinate between technical teams, suppliers, clients, and compliance authorities ensures timely execution and delivery of turnkey solutions.

CORE COMPETENCIES

- Project Planning & Execution Control

- Renewable Energy Infrastructure Supervision
- Supply Chain & Vendor Management
- Stakeholder Coordination & Documentation
- Financial Forecasting & Budget Adherence
- Compliance Handling and Government Liasioning
- Timeline & Workflow Management
- Turnkey Project Delivery and Site Auditing

ROLE IN SHREEJA BIOTECH

As the **Project Manager** of Shreeja Biotech, Mr. Vishal Kaku is responsible for:

- Managing **daily progress, team activities, vendor deliveries**, and quality assurance
- Ensuring proper execution of **timeline-based civil, mechanical, and electrical activities**
- Coordinating with government departments and compliance agencies
- Budget monitoring, inventory tracking, and resolving on-site issues
- Preparing **progress reports, documentation, and audit coordination** for clients and financial institutions

PROFESSIONAL STRENGTH & VISION

Mr. Kaku's structured approach to **project execution and stakeholder alignment** makes him a valuable asset in time-bound and result-driven project environments. His focus on accountability, accurate documentation, and on-ground coordination guarantees consistent project success for Shreeja Biotech's renewable energy ventures.

Past Work Experience

Head Office
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Taman Putra Kajang, 43000,
Kajang, Selangor, Malaysia
Tel:+60387413465
Fax:+60387404465
Website:www@ajilbiofuel.com

Terengganu Office
3189 K.Tingkat1,Permint Hamoni,
Jalan Batas Baru, 20300 Kuala Terengganu, Terengganu, Malaysia
Tel:+6 09 6222340/ 6222331
Fax:+6 09 6234299



Certificate No.: ABPL/WOW/CC/24F

Date: 30/11/2024

WORK COMPLETION CERTIFICATE

To Whom It May Concern

This is to certify that Mr. Pankaj Hemant Khatri has successfully completed the scopes mentioned in Work Order No.: ABSB/WO/24F Dated: 21/09/2023 for providing Technical Consultancy Services for Installation & Implementation of Biogas Plant at Raub, Pahang (Malaysia).

The scope of work included:

- Feasibility Study, Feed Stock Analysis & Site Assessment
- Engineering Design & Equipment Specification
- Vendor Coordination, Procurement & Supply
- Installation, Supervision & Commissioning
- Process Optimization
- Training & Operational Guidance
- Ongoing Technical Support & Maintenance Advisory

The project was completed satisfactorily as per the agreed timeline and quality standards.

We appreciate Mr. Pankaj Hemant Khatri's dedication, professionalism, and technical expertise in delivering this project successfully.



For Ajil Biofuel Sdn. Bhd.
Authorized Signatory: Brad Lee
Designation: Director
Date: 30/11/2024

WHY CHOOSE SHREEJA BIOTECH?

At Shreeja Biotech, we believe in building a sustainable energy future powered by technology, innovation, and impact-driven execution. Here's why leading banks, investors, and industrial partners are choosing us:

✓ Expertise in High-Efficiency Biogas Plants

We are industry leaders in advanced Bio-CNG and waste-to-energy plant development, backed by in-house engineering and real-world project success. Our processes are designed to deliver high gas yields, long-term reliability, and efficient resource recovery.

✓ Hybrid & Smart Biogas Upgradation Systems

We offer custom-engineered purification systems, including:

- Water Scrubbing
- Pressure Swing Adsorption (PSA)
- Semi-Cryogenic Cooling Separation Technology (up to 98% methane purity)

These ensure maximum methane recovery and enable monetization of byproducts like CO₂ and fertilizer-grade slurry.

✓ Turnkey & Customized Solutions

From feasibility to funding, and from design to commissioning — Shreeja Biotech provides end-to-end solutions tailored to:

- Feedstock variability (Napier Grass, agricultural waste, food waste, etc.)
- Land conditions and scale
- Client budget and ROI models
- MNRE, NABARD, and CGTMSE-based financing frameworks



✓ Sustainability & Carbon Credit Focus

We don't just deliver gas — we enable carbon-negative operations through:

- CO₂ recovery and resale
- Organic fertilizer production
- Digitized monitoring and emission tracking
- Scope for participation in carbon credit markets (VCU, Gold Standard)

✓ Strong International Presence

Shreeja Biotech is currently executing and consulting on Bio-CNG and renewable energy projects in Malaysia and India, with active partnerships in Southeast Asia. Our vision is global — our technology is scalable — and our commitment is local.

For Shreeja Biotech

Authorized Signatory:



Shreeja Biotech
Partner

Mr. Pankaj Khatri, Partner

Email ID: khatrip.009@gmail.com