



BISWAJIT BARIK

Application Engineer CAD/CAM | 3D Printing

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CORE SKILLS

- Digital CAD/CAM Workflows
- CAD Design using EXOCAD
- 3D Printing Technology
- Laboratory Digital Workflow Setup & Optimization
- Milling Workflow & CAM Integration
- Clinical Application Support & Troubleshooting
- Product Demonstration & Technical Training
- Technician Training Programs
- Software Implementation & Support
- Team Management & Technical Coordination
- IT Support, Healthcare Process & Data Management

MAJOR PROJECTS & KEY ACHIEVEMENTS

3D Printing Centre of Excellence (3DPCOE) Tech City, Guwahati | PM-DevINE Scheme, Ministry of Development of North Eastern Region (MDoNER), Government of India

- Supported the establishment and implementation of a Digital Lab under the 3D Printing Centre of Excellence (3DPCOE) project at Tech City, Guwahati.
- Contributed to the setup of advanced digital workflows and technology infrastructure across the North Eastern Region.
- Supported the implementation of digital dental workflows across 8 centres in the North East region.
- Worked on complete digital dentistry workflows including intraoral scanning, CAD designing, 3D printing, post-processing, and manufacturing processes.
- Provided technical support and application expertise for advanced technologies including Stratasys, Formlabs, Medit, DOF scanners, and EXOCAD workflows.

- Conducted hands-on training, product demonstrations, and technical sessions for dental technicians, dentists, students, and healthcare professionals across the North Eastern Region.
- Supported AMTRON's government healthcare technology initiatives by implementing digital dentistry solutions and technology-driven healthcare workflows.
- Collaborated with clinicians, technical teams, and stakeholders for successful deployment and optimization of digital dental solutions.

EDUCATIONAL QUALIFICATION

- Master of Science (M.Sc.) in Chemistry Fakir Mohan University, Odisha
- Bachelor of Science (B.Sc.) in Chemistry Fakir Mohan University, Odisha
- Post Graduate Diploma in Computer Applications (PGDCA)
- Certification in Data Science (IT) Fakir Mohan University, Odisha
- Higher Secondary Education (12th) Council of Higher Secondary Education (CHSE), Odisha
- Secondary Education (10th) Board of Secondary Education (BSE), Odisha

TECHNICAL EXPERTISE

Digital Dentistry & CAD/CAM

- EXOCAD DentalCAD – Crown, Bridge, Implant, Denture & Restorative Workflows
- 3Shape Dental System
- Dental Wings
- Digital Dental Workflow Management

3D Scanning & Digital Impression

- Medit Intraoral Scanner Workflow
- DOF Dental Scanner Workflow
- Digital Impression Processing
- Scan Data Management & Optimization

3D Printing Technologies

- Stratasys Dental 3D Printing Solutions
- Formlabs SLA 3D Printing Workflow
- Phrozen Dental 3D Printing Systems
- Dental Model Printing, Surgical Guide & Prosthetic Applications
- Resin Handling, Post-Processing & Workflow Optimization

CAD/CAM Manufacturing

- Dental Milling Workflow
- CORiTEC Milling Systems
- iCAM CAM Software Workflow
- Digital Manufacturing Process Integration

Software & IT Skills

- PreForm
- Materialise Magics
- Cura
- Microsoft Office Suite

- Basic Python & SQL
- Data Analysis & Process Automation

Application & Training Skills

- Product Demonstration & Technical Training
- Dental Lab Installation & Workflow Setup
- Clinical Application Support
- Troubleshooting & Customer Support

CERTIFICATIONS

- Certification in Data Science (IT) – Fakir Mohan University, Odisha
- Post Graduate Diploma in Computer Applications (PGDCA)

PERSONAL DETAILS

Nationality: Indian

Languages Known: English, Hindi, Odia, Bengali