





Prime Minister's Development Initiative for North East Region (PM-DevINE) Visit of Shri K. Moses Chalai, IAS, Secretary, Department of Public Enterprises with CMDs at 3DPCoE, Guwahati





































#### Discussions On Virtual Surgery Planning At Cachar Cancer Hospital and Research Centre, Silchar, Assam





## 3DP CoE Provides Models, Guides & Implant to CCHRC for Mandible Surgery

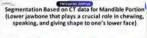


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# Digital Twin And 3D Printing Assistance In Sternum Implant For Cachar Cancer Hospital

#### Segmentation Based on CT data for Sternum And Rib Portion







The Implant is Prepared Using the Sternum and Rib





Sternum top surface Use To design the Implant

Complete Designing sternum implant

#### 3D metal Printing After the Sternum Implant design







After the 3d metal Printing Implant

After Post Processing the Final 3D metal Printing Sternum Implant



Sternum 3d printed Implant























## **REVIEW OF INDUSTRY 4.0 PROJECTS BY CS, MANIPUR**





























#### NRL Team Visit at 3dpcoe, Tech City, Guwahati





#### Visit by officials of BPCL at 3DPCOE, Tech City, Guwahati







#### Visit by Officials of GRSEL at 3DPCOE, Tech City, Guwahati























#### **Government of India**



# Workshops

P.C.P.S. Girls Polytechnic Students at 3DPCoE, Guwahati







Faculty and Students of Assam Skill University at 3DPCoE, Guwahati







5 Days Training course on Digital Design and 3D Printing Technology at Assam University, Silchar

























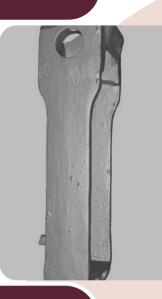




## Demonstration for Railway Usecase







## **Demonstration for Mining Usecase**



## Demonstration for Refinary Usecase





























### Ministry of Development of North Eastern Region,

#### **Government of India**



# 3D Printing Spoke Visit by Dima Hassao Youth at Assam University Silchar



Lab visit by Computer Science Department,
Assam University Silchar





Discussion on Digital Twin and 3D Printing Technology in presurgery planning at Silchar Medical College



















