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Ph.D. Guided: 05

Ongoing 08

M.Tech Guided: 57

Projects
Modernization of CAD Laboratory^{9th} Plan under Scheme Modernization and Removal of Obsolescence (MHRD) Sanction letter No. 4-1-99, F.23-10/98 TS.1- 10 Lakhs
Prediction Of Machine Setting Parameters And Roller Configuration For Continuous Bending Of Conical Shells On 3-Roller Bending Machine. Sanctioned by DST, vide SR/S3/MERC-0026/2007 dtd 25 sept 2007 Rs. 27,96,480/-

Patent
Title: Roller bending machine for continuous bending of blanks in to constant and varying cross section shells/sections

Application No: 1446/MUM/2010 A

Date of Filing: 07-05-2010, Publication Date: 06-08-2010

Agricultural Biomass based Potential Materials- Springer , PP 51-72

Book Chapter
Title of chapter: "Natural Fiber reinforced Composites: Potential, Applications, and Properties"

Publications:

Journal: International 30 National : 05

(Proceedings) International: 24 National: 24

Area of Interest Composite material: characterization and machining

CAD/CAE/ Reverse engineering

Courses Mechanical technology, CAD, CAE, Rapid Prototyping,
Advance Tool design

Short Term Courses & Training Programme Attended: 20

Expert Lectures delivered: 27

Laboratory In-charge: Simulation Lab/ CAD lab/ Reverse Engineering Lab

PG Incharg M.Tech. IPED Programme
CAD CAM

STTP/Workshops organized : 20

Organizing National Conference: 02

- 1 National conference on Advances in Materials and Product Design (AMPD-2010) , 22-23, November 2010 at Mechanical Engg Deptt of SVNIT, Surat
- 2 National conference on Advances in Materials and Product Design (AMPD-2017) , 10-11, March 2017 at Mechanical Engg Deptt of SVNIT, Surat

Organizing International Conference: 01

- 1 Internationaal National conference on “Advances in Materials and Product Design” (AMPD-2015), 10-11, January 2015at Mechanical Engg Deptt of SVNIT, Surat

Administration:

TEQIP-II, Coordinator vide order no: TEQIP-II/ Core Committee/2011-12/72 dated 31/1/2012 to july 2017 (Project ended 31st March 2017)

Nodal Officer Procurement TEQIP-I (2005-10)

Consultancy Work:

Title	Organization
Energy Audit	Bhavin Textiles, Pandesara, Surat
Variation in Yarn tension Problem	Garden Silk mills, Surat
SVNIT & Alidhra Weave tech, Surat	Alidhra Weave tech, Surat
“ CAD Problems for Inventor”	ESSAR STEEL , HAZIRA, SURAT April , 2008
Software Verification of Pressure vessel design	CAD House, Surat(Sep 2008)
Software Verification of Pressure vessel design	CAD House, Surat (Feb 2009)
Geometric modeling and finite element analysis of Fuel accumulator of MIG29	Indian AirForce , OJHAR, NASIK Assignment Completed 22Oct 2016