

CHAMOS MATRUSANSTHA DEPARTMENT OF MECHANICAL ENGINEERING







Ministry of Human Resource Development Government of India





VISION

"To provide state of art education in mechanical engineering supported by research and development to cater industrial and social needs."

STUDENTS ACHIEVEMENTS

Glimpse of 2020 Placement



Keyur Savaliya Company: Adani Power Annual Package: 4.1 Lacs



Vraj Patel Company: Adani Power Annual Package: 4.1 Lacs



9091

POWER LIMITED

Yogesh Tharani Company: Torrent Power Annual Package: 3.2 Lacs

GATE: All INDIA RANK



Rutvik Lathia Passout:2017 GATE AIR: 5



Chirag Chaudhary Passout:2018 GATE AIR: 151



Arth Patel Passout:2019 **GATE AIR: 1256**





MAJOR RECRUITERS















GUJARAT STATE

TBEA

Always Reliable

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FERTILIZERS &

CHEMICALS LTD.

























Kloeckner DESMA Machinery Pvt Ltd

















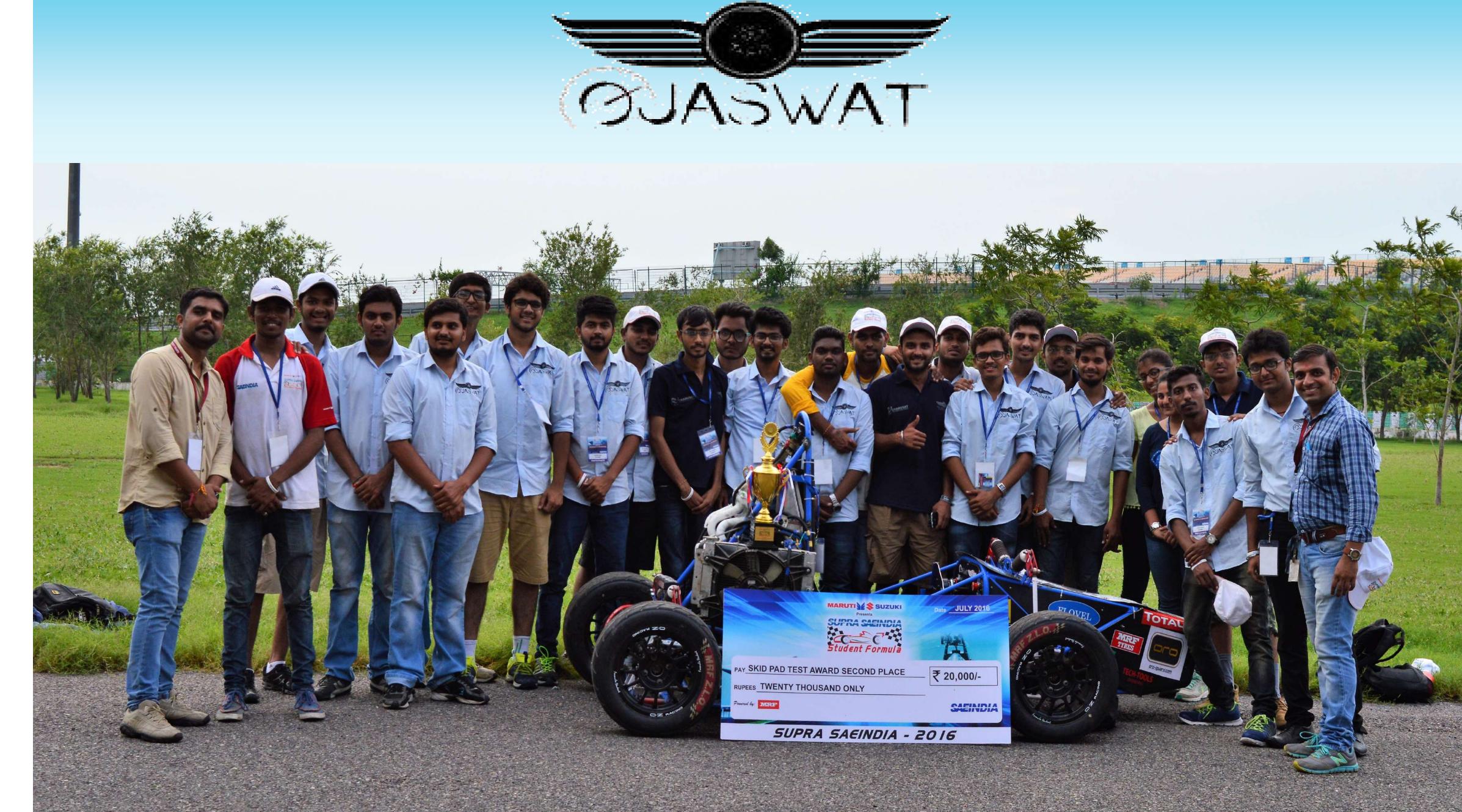








TEAM OJASWAT



MEMBERSHIP OF PROFESSIONAL SOCIETIES







- * SAE- Society of Automotive Engineers India
- * ISHRAE -Indian Society of Heating, Refrigerating and Air Conditioning Engineers

EVENTS









PRIME MOUS

























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VISION

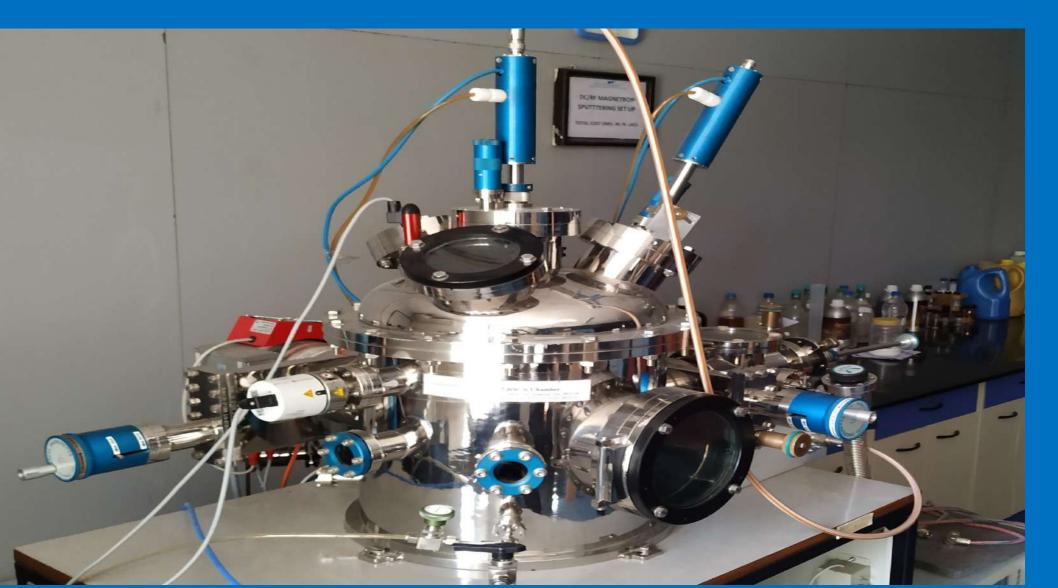
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CENTER OF EXCELLENCE



RESEARCH FACILITIES

- » Research Laboratories:
- * E-Foundry Cell
- * Surface Engineering Lab
- * Material Processing Lab
- * Manufacturing & Technology Lab
- * Material Testing & Characterizing Lab



- » Testing Facilities:
 - * Piezo Based Tool Dynamometer
 - * 3D Microscope & UTM (50kN Capacity)
 - * Surface Roughness Tester
 - * 3D Printer & 3D Laser Scanner
 - * Wear and Friction Monitor
- * CNC Vertical Machining Centre
- * High Performance Fuzzy Logic EDM
- * Goniometer & Magnetron Sputtering M/c
- * Thermal Imaging Camera
- * Multi-fuel, VCR Engine Test Rig

FACULTY ACHIEVEMENT

- * Publications of Journals and Conference papers: 300 +
- * Research Projects:-
- SMART Foundry 2020
 - Funded By: Technology System Development Program (TSDP) scheme of DST
- Time –Varying Performance Evaluation of Boundary Mould Elements
 Funded By: Research Promotion Scheme (RPS) of AICTE
- Experimental Investigation of Nano fluid Thermal Conductivity Enhancement
 Funded By: Minor Research Project Scheme of GUJCOST
- Tribological and Wettability Studies of Nano Structured Thin Films
 Funded By: Research Promotion Scheme (RPS) of AICTE
- "E-Foundry" in collaboration with IIT Bombay
 Funded By: National Knowledge Network (NKN), and GOI

FUND/GRANT RECEIVED

* Consultancy and Funded Research Projects:

* Lab Development Grant (MODROBS-AICTE): ₹ 35 Lac

* Faculty Development Programs : ₹ 2.90 Lac

PROGRAMS OFFERED

B.TECH M.TECH Ph.D.

Mechanical
Engineering
(120 Seats)

M.TECH Ph.D.

Research Scholars
(40 Pursuing)

OUTSTANDING ATTRIBUTES

- * CBCS (Choice Based Credit System)
- * CHARUSAT Sponsored Summer Internship at L&T Power Training Institute Vadodara
- * CDPC (Career Development & Placement Cell)
- * Student Counselling
- * Project & Dissertation work in reputed research organisation like ISRO, BARC, PRL, IPR etc.

TEACHING METHODOLOGIES & LEARNING

- * Students Centric Learning
- * ICT Based Learning
- * Group /Team learning
- * Project Based Learning
- * e-Learning
- * Use of Learning Management System

STUDETNS SUPPORT AND BEST PRACTICES

- * Use of NPTEL, COURSERA, Google Classroom, SWAYAM, Edmodo and Video Lectures
- * Competitive Exams Assistance like TOEFL, GRE, GATE, CAT, Professional Readiness Program
- * Alumni Association and Parent-Teacher Association
- * Soft Skill Summer Training Programs
- * Health Check-up

INDUSTRY/FIELD VISITS



EVENTS/WORKSHOP/SEMINAR













www.charusat.ac.in

₹ 1.2 Crore

