



DHARMSINH DESAI UNIVERSITY, NADIAD
FACULTY OF TECHNOLOGY
MECHANICAL ENGINEERING DEPARTMENT

The Department of Mechanical Engineering does believe that the inculcation of technical knowledge in students is not possible only through books and theory lectures. The department makes sure that students also gain the technical knowledge through industrial visits, technical events, exhibitions, and competitions. To fulfill this objective, the department is currently running ISHRAE student chapter, SAE student chapter, and Mechanical Engineering Student Association (MESA). The purpose of an ISHRAE student chapter is to get more students interested, concerned, and involved in pursuing a career in the emerging field of heating, ventilating, air conditioning and refrigeration. The SAE student chapter connects the students to the automobile engineering community and makes them aware with advances in automobile technologies. MESA is a student body that arranges various technical and non-technical activities throughout the semester to make the academic energetic and enthusiastic.

[Indian Society of Heating, Refrigerating and Air Conditioning Engineers \(ISHRAE\)](#)

[Mechanical Engineering Student Association \(MESA\)](#)

[Society of Automotive Engineers \(SAE\)](#)

ISHRAE DDU Student Chapter

The ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers) DDU student chapter was inaugurated on 12th September – 2015. It provides the platform for student members to gain knowledge about state-of-the-art developments and technologies in ever-growing and highly demanding field of HVAC & R.

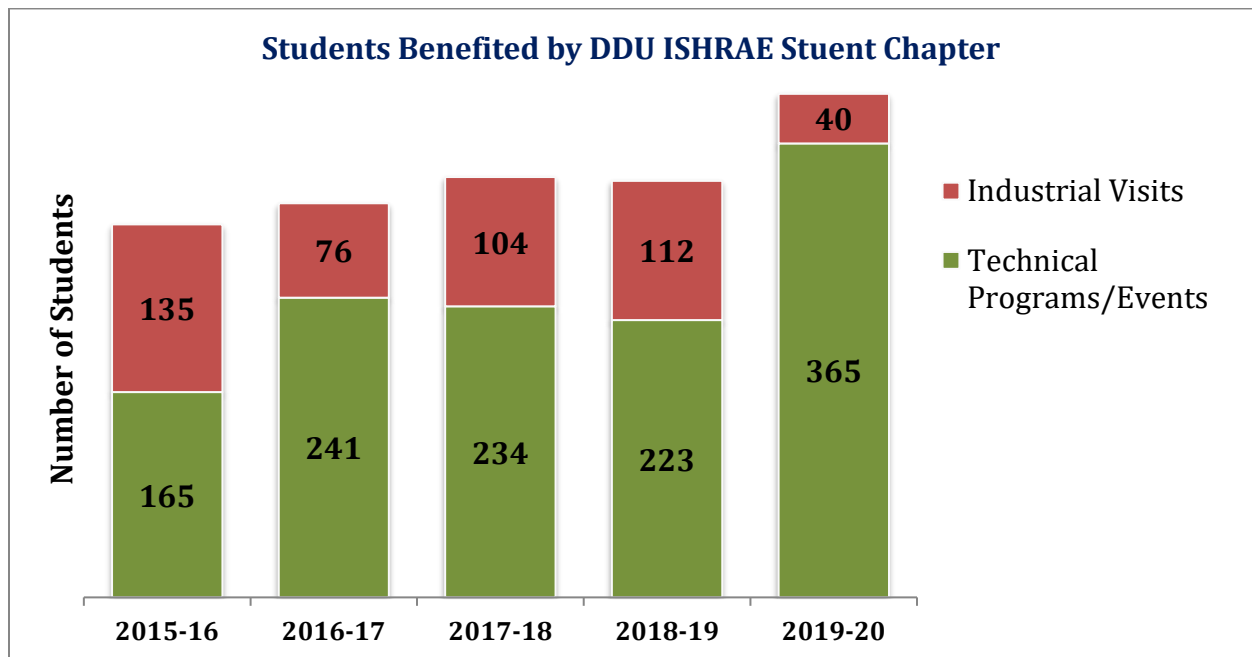
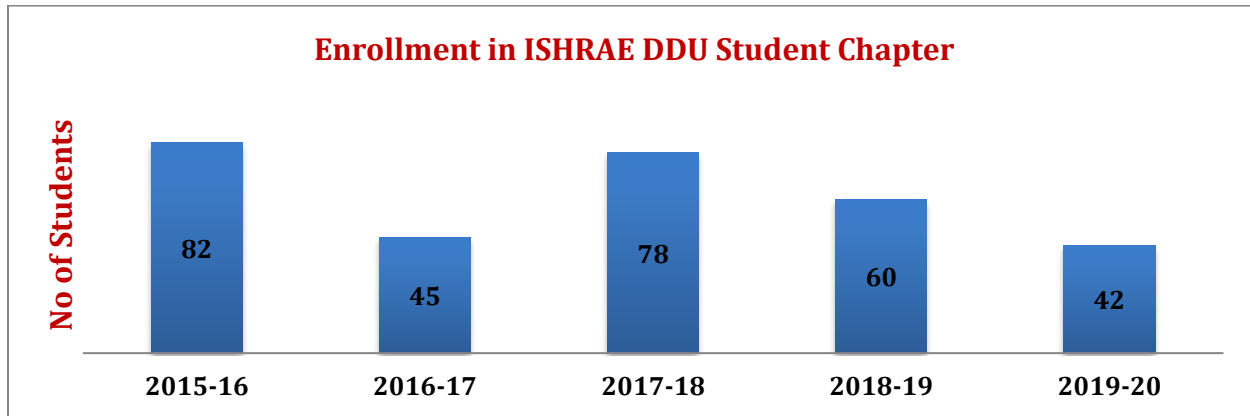
The ISHRAE DDU student chapter organizes various events such as national level HVAC design competition, industrial visits, quiz competition, and expert lectures for student members to convert them in competent professionals for HVAC & R industry.

Prof. C. M. Fadadu is the coordinator of the chapter.

List of Events Organized (2015 onwards)

Sr. No.	A.Y Year	Name of Event
1	2020-21	National Student Design Competition 2020-21 Topic: <i>Design of Air-conditioning system for an IT company for better indoor air quality</i>
2	2018-19	Industrial Visit at Johnson controls - Hitachi Air-conditioning India Ltd – Kadi, Gujarat
3	2018-19	Industrial Visit at Amul chocolate plant – Mogar, Anand, Gujarat
4	2018-19	aQuest quiz-2018
5	2017-18	Industrial Visit at ICE Make Refrigeration Ltd. – Ahmedabad, Gujarat
6	2017-18	Industrial Visit at Voltas Ltd, Dadara, Gujarat
7	2017-18	QUIZO – 2018 (HVAC quiz competition by ASHRAE)
8	2016-17	Industrial Visit at Sugam dairy – Vadodara, Gujarat
9	2015-16	aQuest Facebook quiz- 2016
10	2015-16	ISHRAE Job Junction

Till June - 2020, cumulatively 365 students are benefited from various technical programs and industrial visits.



Glimpse of the Events Organized under ISHRAE DDU Student Chapter



A group photo of DDU students at Hitachi Air-conditioning India Ltd



A group photo of DDU Students at Amul Chocolate plant



A Group photo of DDU students at Voltas Ltd



DDU students
 Ms. Khyati Paghdar and Mr. Bhargav Rathod
 won the QUIZO – 2018 and a cash prize worth
 20000 INR.



DDU student Ms. Dhruvi Patel won the aQuest
 Facebook quiz



DDU students
 Mr. Viren Viradiya and Mr. Monik Zalavadiya
 secured a 2nd runner up in QUIZO-2018

Mechanical Engineering Student Association (MESA)

The DDU Mechanical Engineering Student Association (MESA) has been established on 5th April – 2021. DDU MESA is run by the students for the students to promote and enhance mechanical engineering knowledge among students. The association aims to ensure all-round student development with practical learning.

To accomplish this mission, DDU MESA will organize various events for student members of association such as:

- Workshops like Robotics, Automation, Aero-modelling, 3D printing etc.
- Industrial Visit
- Industrial Training like Casting, Car racing, Six-sigma belts, IoT, etc.
- Sponsor seminars with outside speakers of interest on topics in Mechanical field.
- Competition like Quiz, Group Discussion and debate.
- Discussion on various papers like Research paper, Review paper and patent.
- Various Robo-Competitions during Felicific week.
- Availability of various e-books and past year papers on MESA website.
- Publishing annually newsletter including student's achievements and alumni.
- Knowledge about other competitions in world like BAJA, Hyperloop Pod Competition, etc.
- Discussion about SSIP cells for students' facility.
- Facilitates to connect current students to notable Alumni in the field.

Prof. M. M. Chavda is the coordinator of the chapter.

For more details visit:



<https://www.linkedin.com/company/ddu-mesa>

SAE Student Chapter

The SAE student chapter was inaugurated on 19th January 2013. The SAE student chapter helps the student members to get familiar with various automobile vehicles related aspects such as design, manufacturing, controls, and safety. It also fosters the creativity in student members by encouraging and guiding them for competitions where student can develop, design, and manufacture prototype vehicle that can operate on land, in water or in air.

The SAE student chapter organizes various events such as expert lectures, workshops, and industry visits for student members to keep them in touch with current practices in automobile industry and to realize them the future of the expanding automobile industry.

Prof. P. V. Dixit is the coordinator of the chapter.