



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. For more details, please click on the link on the respective student chapters.

[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.

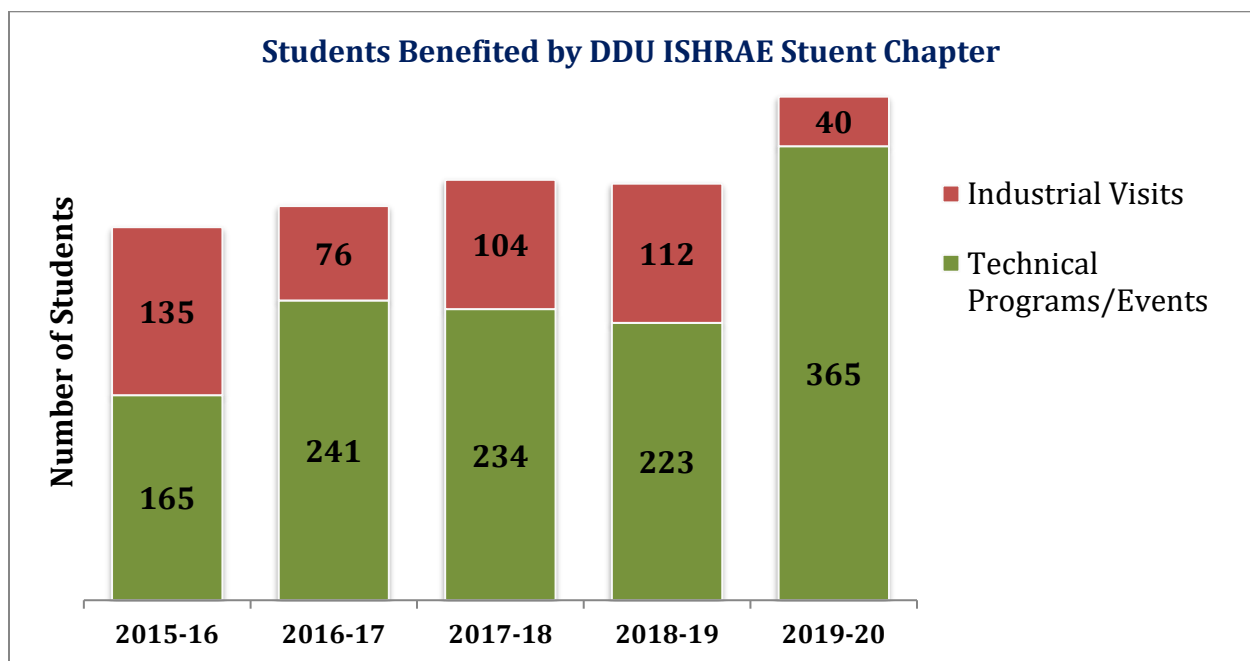
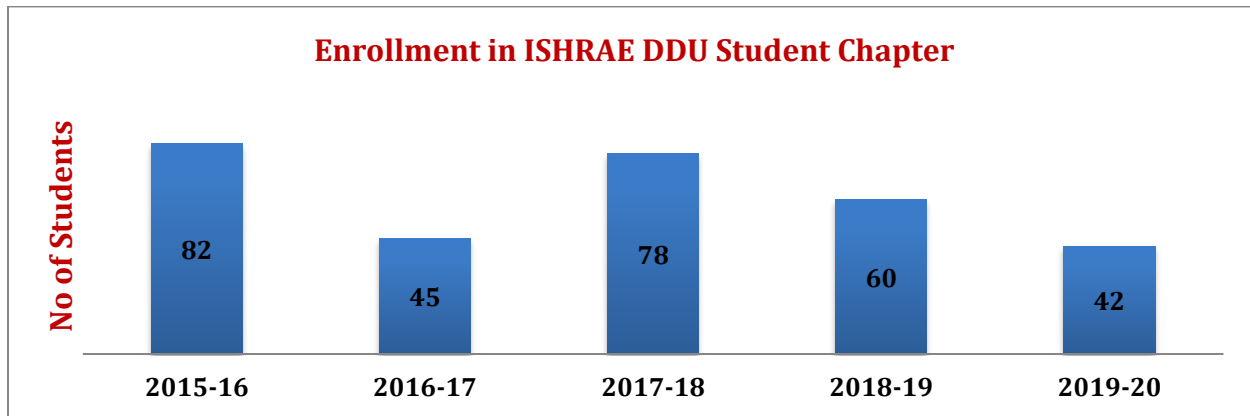
The ISHRAE DDU student chapter organizes various events such as national level HVAC design competition, industrial visits, quiz competition, and expert lectures for student members to convert them in competent professionals for HVAC & R industry.

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	2021-22	National Student Design Competition 2021-22 Topic: <i>Design of Air-conditioning and ventilation system for a multi-facility hospital building that pertains to comfort colling, ventilation and better indoor air quality.</i> * 2 students are placed in IMEG Corporation (Ahmedabad branch) based on this work.
2	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> * The team was WINNER at national level and received 20000 INR Cash prize by ISHRAE HQ – New Delhi.
3	2018-19	Industrial Visit at Johnson controls - Hitachi Air-conditioning India Ltd – Kadi, Gujarat
4	2018-19	Industrial Visit at Amul chocolate plant – Mogar, Anand, Gujarat
5	2018-19	aQuest quiz-2018
6	2017-18	Industrial Visit at ICE Make Refrigeration Ltd. – Ahmedabad, Gujarat
7	2017-18	Industrial Visit at Voltas Ltd, Dadara, Gujarat
8	2017-18	QUIZO – 2018 (HVAC quiz competition by ASHRAE)
9	2016-17	Industrial Visit at Sugam dairy – Vadodara, Gujarat
10	2015-16	aQuest Facebook quiz- 2016
11	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

Champions of ISHRAE DDU Student Chapter



Mr. Hardik Radadiya,

Mr. Prem Modi,

Mr. Jay Patel and

Mr. Mohmmmed H. Bhanpurwala

have won the National Student Design Competition – 2021 and also received 20000 INR Cash prize by ISHRAE HQ – New Delhi



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.

To become member of the DDU MESA club the fees structure is as follows:

1000 Rs for 1st year students

750 Rs for 2nd year students

500 Rs for 3rd year students

Details of Governing Body of DDU MESA

Designation	Name of Person	Contact no.
President	Aishwarya Chauhan MH Sem-VII	---
Vice President	Purvik Patel MH Sem-VII	9265607680
Secretary	Tasmay Joshipura MH Sem-V	7016639374

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.