

DHARMSINH DESAI UNIVERSITY



ANNUAL REPORT 2021-22



Dharmsinh Desai University
College Road, Nadiad, Gujarat -387 001; Ph 02682520502, Fax 0268 2520501
Website: www.ddu.ac.in



You have the right to perform your prescribed duty (Karma), but are not entitled to the its fruits (Phala), as it is not in your control. Considering yourself to be the cause of the results of your activities is errorsome. Therefore, do your prescribed duty without the desire of fruit or the fear of faliure.

कर्मण्येवाधिकारस्ते मा फलेषु कदाचन ।
मा कर्मफलहेतुर्भूर्मा ते सङ्गोऽस्त्वकर्मणि ॥

Shreemad Bhagavad Gita, Chapter II, Verse 47

Vision

“To become a multi-disciplined and learner-oriented university. To closely associate with and responsive to the industry. To create supportive and caring environment for staff and students. To improve R&D activities in areas of national priority”.

Mission

The University shall undertake programmes and projects for development of human resources, both through formal and non-formal delivery systems, in areas of professional pursuits in all walks of human endeavors, with accent on relevance, value addition, societal needs and futuristic pilot projects.

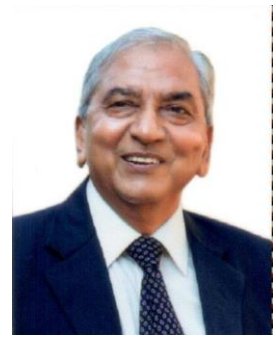
Quality Policy

The University is for individuals who wish to advance in the workplace, and emerge as competent professionals and noble citizens. The University meets these needs by delivering applied and professional programmes, primarily at the graduate and higher level, that anticipate and respond to the changing world and global economy. We are committed to the highest level of quality, teaching excellence and applied research that pursues solutions to real world problems.

Contents

Chapter	Section	Title	Page No
1		From Vice Chancellors Desk	1.1
2		Executive summary	2.1
	2.1	The Faculty of Management and Information sciences	2.3
	2.2	The Faculty of Pharmacy	2.5
	2.3	The Faculty of Dental science	2.6
	2.4	Dr N D Desai Faculty of Medical Science and Research	2.7
	2.5	The Faculty of Technology	2.9
3		Research and development	3.1
	3.1	Papers published in National and international Journals	3.1
	3.2	Papers presented in National and international conferences	3.10
	3.3	Patents registered Granted	3.14
	3.4	Projects	3.15
	3.5	Skill development Programs Organized	3.16
4		National Education policy	4.1
5		Extension activities	5.1
	5.1	Environmental protection related activities	5.2
	5.1.1	Tree plantation	5.2
	5.1.2	Cleanup campaign	5.3
	5.1.3	Energy conservation activities	5.4
	5.1.4	Rallies Organized	5.5
	5.2	Health care related activities	5.7
	5.2.1	Oral Health checkup camp	5.7
	5.2.2	Food and Nutrition	5.9
	5.2.3	Distribution of masks	5.10
	5.2.4	Blood donation camp	5.12
	5.2.5	De addiction	5.14
	5.3	Celebration of National and International days	5.16
	5.3.1	Independence day	5.16
	5.3.2	Republic day	5.18
	5.3.3	Sardar Patel Birth anniversary celebration	5.19
	5.3.4	Azadika amrut Mahostsav	5.21

	5.3.5	National youth day	5.22
	5.3.6	World cancer day	5.25
	5.3.7	World Yoga day	5.27
	5.3.8	World no Tobacco day	5.34
	5.3.9	Shaheed Divas	5.37
	5.4	Celebration of Indian culture	5.39
	5.4.1	Gurupurnima celebration	5.39
	5.4.2	Saraswati Vandana	5.40
	5.4.3	Women's day and women's security	5.41
6		Cultural Programs	6.1
7		Sports	7.1
8		Placement activities	8.1
9		Convocation	9.1



Dear stakeholders

It gives me great pleasure to present the annual report of Dharmsinh Desai University (DDU) for the academic year 2021-22. As the Vice-Chancellor of this esteemed institution, I am privileged to share with you the achievements and milestones that we have accomplished during this period.

At DDU, we have continued our relentless pursuit of academic excellence and holistic development of our students. Our faculty members, staff, and students have demonstrated exceptional dedication and commitment towards our shared vision of fostering a culture of learning, innovation, and research. Throughout the year, our focus has been on enriching the learning experience for our students. We have implemented various initiatives to enhance the quality of education and ensure that our curriculum remains relevant and aligned with industry standards. We have also incorporated innovative teaching methodologies, encouraging interactive and experiential learning.

Research and innovation remain integral to our university's identity. We have witnessed remarkable advancements in our research activities across diverse disciplines. Our faculty members and students have made significant contributions to their respective fields, publishing research papers in renowned journals and securing prestigious grants and funding for their projects. Our research centers and laboratories have played a pivotal role in facilitating technological advancements. Furthermore, we have actively fostered collaboration with industries, research institutions, and international universities. These partnerships have provided valuable opportunities for our students and faculty to engage in collaborative research, internships, and knowledge exchange programs, thereby broadening their horizons and strengthening their professional skills.

At DDU, we believe in the holistic development of our students. In addition to academic pursuits, we have provided a conducive environment for extracurricular activities, sports, and cultural events. These activities not only promote physical fitness and mental well-being but also foster teamwork, leadership, and interpersonal skills among our students. Our commitment to social responsibility and community engagement has remained unwavering. We have actively participated in numerous community development initiatives, addressing social challenges and contributing to the betterment of society. Our students have enthusiastically volunteered their time and skills, making a positive impact in the lives of the underprivileged.

I extend my heartfelt gratitude to all our stakeholders, including our students, faculty, staff, alumni, parents, and the wider community, for their unwavering support and contribution to the success of DDU. It is through your collective efforts and dedication that we have achieved remarkable milestones and positioned ourselves as a leading institution in the field of education and research. I am confident that the coming year holds even greater promise and opportunities for Dharmsinh Desai University. Together, let us continue our journey towards excellence, shaping the future of education, and making a lasting impact on society.

Dr H M Desai,
Vice-Chancellor
Dharmsinh Desai University

2.0 Executive Summary

Dharmsinh Desai University: Nurturing Excellence in Education and Research

Education plays a pivotal role in shaping the future of individuals and societies. It serves as a catalyst for progress, empowering individuals with knowledge, skills, and values that equip them to tackle the challenges of the ever-evolving world. Dharmsinh Desai University (DDU) is an esteemed institution in India that has been dedicated to providing quality education and fostering a culture of research and innovation since its inception. This comprehensive introduction will delve into the rich history, academic programs, research endeavors, and overall impact of Dharmsinh Desai University.

Dharmsinh Desai University, formerly known as Dharmsinh Desai Institute of Technology (DDIT), was established in 1968 in the city of Nadiad, located in the vibrant state of Gujarat, India. The university owes its existence to the vision of its founder, Shri Dharmsinh Dadubhai Desai, a renowned philanthropist and entrepreneur. His passion for education and commitment to community development led him to establish this institution with the aim of providing world-class technical education to the youth of Gujarat.

Dharmsinh Desai University offers a diverse range of undergraduate, postgraduate, and doctoral programs across various disciplines. The university comprises multiple faculties, including Technology, Dental Sciences, Pharmacy, Medical Science and Management. These faculties encompass numerous departments that cater to the academic and research needs of students.

The Faculty of Technology offers undergraduate programs in areas such as Civil, Mechanical, Computers, Information Technology, Electronics and Communication, and Chemical Engineering. The Faculty of Dental Sciences provides a Bachelor of Dental Surgery (BDS) and Master of Dental Surgery (MDS) programs, while the Faculty of Pharmacy offers a Bachelor of Pharmacy (B.Pharm) and Master of Pharmacy (M.Pharm) programs. The Faculty of Management equips students with essential business skills through its Bachelor of Business Administration (BBA), Master of Business Administration (MBA), Bachelor Computer applications (BCA) and Master of Computer Applications (MCA) programs.

Dharmsinh Desai University is committed to promoting research and innovation as key drivers of societal progress. The university actively encourages faculty and students to engage in

research activities and provides them with the necessary resources and infrastructure. DDU has established various research centers and laboratories that focus on cutting-edge research in fields such as nanotechnology, renewable energy, material science, computer science and Space science.

The university also encourages collaboration with industries, research organizations, and government agencies to facilitate the transfer of knowledge and technology. This approach fosters an ecosystem of innovation and entrepreneurship, enabling students and researchers to translate their ideas into practical solutions that address real-world challenges.

The Dharmsinh Desai University campus is spread over 45 acres of sprawling area, providing an ideal environment for learning, research, and personal development. The campus features state-of-the-art facilities, including well-equipped classrooms, laboratories, libraries, and sports facilities. The university prioritizes the well-being of its students and provides comfortable accommodation and a range of extracurricular activities to promote holistic growth.

The faculty members at DDU are highly experienced and accomplished in their respective fields. They bring their expertise to the classroom, ensuring that students receive a quality education that is aligned with industry requirements. The university also emphasizes practical learning through internships, industry visits, and projects, enabling students to gain hands-on experience and enhance their employability.

Dharmsinh Desai University recognizes its responsibility towards society and actively engages in community development initiatives. The university encourages students to participate in various social welfare activities, promoting values such as empathy, social responsibility, and inclusivity. DDU also collaborates with local communities and government bodies to address regional challenges and contribute to sustainable development.

Over the years, DDU has produced numerous successful alumni who have made significant contributions in their respective fields. The university's emphasis on quality education, research, and industry collaboration has equipped its graduates with the skills and knowledge necessary for professional success. DDU alumni have excelled in various sectors, including engineering, management, healthcare, and entrepreneurship, creating a positive impact on society.

Dharmsinh Desai University, with its rich history, diverse academic programs, focus on research and innovation, state-of-the-art facilities, and community engagement, has established itself as a

premier institution for higher education in India. By nurturing excellence and empowering its students, DDU continues to shape the future of education, producing skilled professionals and contributing to the betterment of society.

2.1. The Faculty of Management and Information Sciences

The Faculty of Management and Information Sciences has made remarkable progress in various areas, reinforcing its position as a leading institution in the state. The following achievements exemplify the dedication, hard work, and commitment of the faculty, staff, and students.

The Faculty of MIS experienced a substantial increase in enrolment, in terms of attracting meritorious students admitted compared to the previous year. This growth reflects the increasing recognition of our programs quality and reputation within the academic community.

The Faculty of MIS worked diligently to revamp the curriculum of all the programs to ensure it remains aligned with the evolving industry demands and fosters the development of critical skills required by future business leaders. New courses were introduced to cover emerging areas such as forensic accounting, data analytics, digital marketing, and sustainable business practices etc.

The MBA Department forged strategic partnerships with prominent and professional organizations, enabling students to gain real-world exposure and experience through internships, case studies, and guest lectures. These collaborations also facilitated research collaborations, joint events, and networking opportunities for our faculty and students.

All the departments witnessed a significant rise in successful career placements. The dedicated efforts of our career services team, along with the strong industry connections established by the department, resulted in 90% placement rate, marking a notable increase from the previous year.

The faculty members continued to contribute significantly to the academic and business communities through their research publications. Numerous scholarly articles were published in reputable journals especially scopus and web of science, further enhancing the department's reputation for research excellence.

MBA Department - Due to COVID 19 restrictions and social distancing norms seeing a opportunity to connect the all CMS-DDU alumnae whatsapp groups have been formed batch wise and instead of physical alumni meet virtual alumni meet had been conducted of MBA department so now department is well connected with their alumnae virtually by creating Alumnae whatsapp group from batch 1 to batch 23. To make students aware about the industry

and to give them opportunity to interact with industry experts, total 9 expert lectures had been conducted online-offline mode. In weekly seminar series total 28 students had participated in extempore and 3 students had given opportunity to present on the related management associated topics. Faculties have regularly passed NPTEL exams. The students have passed the final MBA exam at a rate of 98%. Student feedback had been taken for teaching learning process and as per ISO 9001-2015 requirements. Faculty members are encouraged to pursue research. Total 4 research papers in international journal had been published during the year. 1 book chapter had been published during the year by the faculty member. In the year 2021-22, one faculty member recognized as a Ph.D. guide during the year. Total 3 students had benefited by government scheme (2 students with NSP and 1 student Digital Gujarat) with total amount of Rs. 170500/- Total 30 student benefited by Institution Scheme (student scholarship) for total amount of Rs 405000/- during the year 2021-22. 1 student qualified in UGC-NET competitive exam at national level. Total 39 students got placed in industry during the year as per record of placement department. Moreover, a visit for diwali celebration to “Dikra nu ghar”, an Old Age home was organised to instil social responsiveness skills in the students.

The MCA Department continuously endeavours for all round development of students. In line with this goal, the MCA Department had organized three expert lectures and four skill development programmes on contemporary areas in the domain of computer science and applications; the sessions were delivered by renowned experts from industry and academia. Moreover, during the year, the department had established an active MoU with an IT industry of repute. Under this MoU – (a) the Department of MCA had conducted one workshop, sessions of which were delivered by experts from IT industry; and (b) final year ten students received job placement. During the year, total 65 new students were admitted and 93 students had graduated with more than 94% job placements. One student had opted for higher education under student support, 134 students from MCA Department had received institutional scholarship. One student had also received a scholarship funded by the DDU alumni association. For making students aware about future career perspectives, the MCA department had organized two career counselling seminars. To make final year students aware about latest industry trends about on demand technologies and best practices, an expert lecture on “Training & Placements: From IT Industry Perspective & How to prepare” was held. A senior alumnus of MCA department had

conducted this session. Moreover, to prepare final year students ready to appear in job placement drives, the MCA Department had organized a six-days 36 hours skill development programme on “Aptitude & GDPI preparation”; the programme was conducted by an invited external expert from industry. Moreover, the MCA faculty members delivered five state-level/national-level invited expert lectures. One faculty member was invited as a member of Board of Reviewers at an IEEE international conference. One faculty member won “The Best Research Paper” award and cash prize for successfully presenting one research paper at an international conference. Faculty members published one research paper in SCOPUS journal.

The Department of Hotel Management has been set up in accordance with skill development mission of Government of India. The department has achieved cent percent placement.

2.2. The Faculty of Pharmacy

Faculty of Pharmacy received a special grant of Rs. 1,00, 000/-from AICTE-SPICES to establish student club for development of creativity, ethics, human values and interest among the students. Under the scheme, Faculty of Pharmacy established two student clubs, 1. Nirmaan (Non-Technical), 2. InStarc (Technical). During the project duration clubs organized various 23 events focused on innovation, ideation, entrepreneurship, social responsibility, creativity, etc. Total 100 students were enrolled in the student club out of 210 students. Five student research projects were funded by SSIP worth of Rs. 1,45,000/-.

Total eleven workshop/seminar/conference were organized on research methodology, research ethics, entrepreneurship, skill development and intellectual property rights and about 1475 students were benefitted. During the year 5 students/teachers received awards / recognitions for research/innovations. Research scholars published 5 patents and 1 patent was filed. Faculty members published 4 international research papers having impact factor ranging from 0.5 to 2.0. Consultancy received for preclinical study of Rs. 60,500/-

As a part of extension service to pharmacy community, 3 refresher courses for registered pharmacist were organized which was sponsored by Gujarat State Pharmacy Council and total 663 registered pharmacist across Gujarat were participated and benefitted. 16 faculty members attended different short term training programmes. Industrial training and research/filed is much needed for the professional development of student, as part of these 63 students undergone industrial training and 12 students undergone field/research project.

Total seven programmes were organized under NSS scheme and 445 students participated. FOP signed MoUs with esteemed pharmaceutical industries like Amanta Healthcare Pvt. Ltd, Rhombus Pharma Private Ltd, J. S. Ayurved Mahavidyalaya, Montage Laboratories Pvt. Ltd., Madera Pharmaceutical Pvt. Ltd. Industry-academia collaborative research projects were carried out by 4 postgraduate students.

Fifteen Pharmacy students qualified various national/international level examinations like GPAT, IELTS etc. Eleven students get placement in various pharmaceutical industry like Emcure pharmaceuticals limited, Alembic pharmaceuticals limited, Phyto life-sciences Pvt. Ltd. Divine laboratories Pvt. Ltd.

2.3. The Faculty of Dental Science

The Faculty of Dental Science at Dharmsinh Desai University continues to embrace cutting-edge technologies to enhance dental care. This annual report highlights the growing prominence of digital intraoral scanners, cone beam computer tomography (CBCT), and CAD/CAM dentistry. These advancements offer improved accuracy, efficient treatment planning, and superior outcomes in dental restorations, making them preferred choices for clinics and dentists.

Digital intraoral scanners: Digital intraoral scanners have become an ongoing trend in the dental industry and the popularity is only getting bigger. An intraoral scanner is a handheld device used to directly create digital impression data of the oral cavity. Light source from the scanner is projected onto the scan objects, such as full dental arches, and then a 3D model processed by the scanning software will be displayed in real-time on a touch screen. The device provides accurate details of the hard and soft tissues located in the oral area through high-quality images. It is becoming a more popular choice for clinics and dentists due to short lab turnaround times and excellent 3D image outputs.

Cone beam computer tomography (CBCT): Dental cone beam computed tomography (CT) is a special type of x-ray machine used in situations where regular dental or facial x-rays are not sufficient. This type of CT scanner uses a special type of technology to generate three dimensional (3-D) images of dental structures, soft tissues, nerve paths and bone in the craniofacial region in a single scan. Images obtained with cone beam CT allow for more precise treatment planning.

CAD/CAM Laboratory: CAD/CAM dentistry is a field of dentistry and prosthodontics using CAD/CAM (computer-aided-design and computer-aided-manufacturing) to improve the design and creation of dental restorations, especially dental prostheses, including crowns, crown lays, veneers, inlays and onlays, fixed dental prostheses bridges, dental implant supported restorations, dentures (removable or fixed), and orthodontic appliances. CAD/CAM technology allows the delivery of a well-fitting, aesthetic, and a durable prosthesis for the patient.

2.4. Dr. N. D. Desai Faculty of Medical Sciences and Research

The Dr. N. D. Desai Faculty of Medical Sciences and Research at Dharmsinh Desai University is dedicated to nurturing the academic and extracurricular excellence of future doctors. The faculty employs innovative teaching methods to enhance the learning experience, including model-based learning, simulation-based learning, problem-based learning, and evidence-based learning. These approaches aim to provide a comprehensive understanding of medical concepts.

The faculty follows a robust timetable that facilitates small group learning, enabling students to actively engage in the educational process. Peer-assisted learning is widely practiced in preclinical subjects, allowing students to learn from and support each other. To encourage exceptional learners, students with fast learning abilities are motivated to undertake research activities and participate in state and national-level quiz competitions.

The faculty takes pride in the achievements of its students. Janki Dave received recognition for her excellent score in a pharmacology quiz competition, while Mitrayee Khatri was invited to AFMC-Pune for the MEDTECH HACKATHON. Ayushi's research project was selected by the Indian Council of Medical Research (ICMR). These achievements highlight the dedication and caliber of the students and their commitment to pursuing excellence.

Assessment methods have been redesigned across all subjects to evaluate the highest order of cognitive domain, in accordance with Miller's pyramid. Theory examinations now include problem-based questions, fostering critical thinking and problem-solving skills. Regular formative assessments are an integral part of the academic calendar, ensuring that students are well-prepared for summative examinations. To assist students in planning their studies, a comprehensive academic calendar is provided, outlining all important exam dates well in advance.

The faculty provides a unique learning opportunity through its affiliated hospital, where healthcare services are provided free of cost to the community. Students benefit from hands-on experience under the guidance of expert doctors in a clinical setting, including bedside teaching in small groups. Feedback is provided to students after each assessment to aid their growth and improvement.

To enhance practical skills, each subject now has a logbook that contains certifiable skills. Students must develop these essential skills and perform to the satisfaction of the faculty to obtain logbook certification, further ensuring their competence in clinical practice.

The faculty actively promotes extracurricular activities and holistic well-being. World Yoga Day was celebrated extensively, with a week-long yoga performance guided by a trainer. Another initiative, the Family Adoption Program, involves students adopting families from rural areas and taking care of their health needs. Additionally, a foundation course is conducted at the beginning of the academic year, providing students with the necessary skills to adapt to the new environment, including cardio-pulmonary resuscitation training.

The Dr. N. D. Desai Faculty of Medical Sciences and Research is committed to providing a comprehensive medical education that goes beyond traditional teaching methods. By incorporating innovative learning approaches, offering practical experiences in a clinical setting, and promoting holistic development, the faculty prepares future doctors to excel both academically and personally.

2.5. The Faculty of Technology

The BTech IT 2022 batch has achieved remarkable success in placements, with a total of 93 students being selected by various companies. The highest salary package offered to a student is Rs. 22 LPA, while the average salary package stands at Rs. 6.3 LPA. Additionally, three students were chosen through HackwithInfy, a national-level programming contest by Infosys. One student received an offer for the power programmer role, and two students were offered the specialist programmer role by Infosys. Moreover, two students secured the TCS Digital role through TCS Codevita, a national-level coding competition, and three students were selected via TCS Ninja, a national-level aptitude test.

The students' performance in competitive exams has been impressive. Three students achieved a GATE score above the 90th percentile, thirteen students obtained a GRE score above 300, two

students scored above 100 in TOEFL, twenty students achieved an IELTS band above 7, one student scored above the 90th percentile in CAT, and two students scored above the 95th percentile in SNAP. Furthermore, many students excelled in competitive programming, with over ten students earning 5-star ratings on Hackerrank, and more than twenty students achieving 4-star ratings. Noteworthy students include Shyam Makwaka, who attained a 5-star rating in problem-solving on Hackerrank and a 4-star rating on CodeChef, and Gohil Bhagyarajsinh, who achieved a 5-star rating in problem-solving on Hackerrank and solved over 300 problems on LeetCode. Additionally, five students successfully completed the certification program offered by Infosys under the InfyTQ initiative.

The Department of Information Technology organized a GUJCOST sponsored Short-Term Training Program (STTP) on "Recent Advancements in Deep Learning," which attracted 51 participants. In terms of research publications, the faculty members have contributed six papers to national and international conferences, as well as two papers to national and international journals. The faculty members have also served as reviewers for conferences and journals on 19 occasions. Moreover, 22 faculty members actively participated in various STTPs.

The ISA Students Section of the Instrumentation and Control Department organized a series of five webinars featuring esteemed foreign speakers. These webinars covered topics such as Control Systems, SMIIoT, Recent Trends in the Development of Process Control Industry, Cybersecurity in Process Control, and Risk Management in Today's Internet World. These informative sessions provided valuable insights to the students.

We are proud to announce that Jaykumar Mistry, a seventh-semester B.Tech student specializing in IC, has been awarded a scholarship of USD 1400 from the ISA Process Measurement and Control Division. This recognition highlights Jaykumar's outstanding potential for contributing to the automation, instrumentation, and systems field. The placement season for the BTech IC 2022 batch was a success, with a total of 51 students securing positions in various companies. The highest salary package offered was Rs. 8 LPA, and the average salary package stood at Rs. 5.09 LPA. This accomplishment reflects the competence and market demand for our IC graduates.

In terms of academic achievements, two students from the IC department have successfully completed their Ph.D. degrees in IC engineering. Their dedication and hard work have led to significant contributions in their respective research areas.

Moving on to the accomplishments of our esteemed faculty members of **IC department** here is a summary. The faculty members have collectively published four papers in national and international conferences, with one faculty member receiving the best paper award. Additionally, they have published six papers in national and international journals, showcasing their commitment to advancing knowledge in the field of IC. Moreover, our faculty members have been invited as reviewers for conferences and journals on seven occasions, highlighting their expertise in the subject matter. Eighteen faculty members actively participated in various STTPs/Workshops/Seminars/NPTEL courses to enhance their teaching and research capabilities. Furthermore, IC department faculty members have guided two Ph.D. students, demonstrating their commitment to nurturing research talent. Additionally, one faculty member has served as a member of other universities' Board of Studies, participated in recruitment processes, and served as an RPC/DPC member for Ph.D. students. The IC Department continues to excel in providing quality education, research opportunities, and industry engagement, ensuring the holistic development of our students and faculty members.

Students in **Department of Civil Engineering** have benefited from various scholarships and free ships provided by the institution, government, and non-government bodies. Under the Merit-Cum-Means Scholarship for Professional and Technical Courses, four students were awarded a total sum of Rs 48,000. Additionally, one student received Rs 50,000 through the AICTE - Swanath Scholarship Scheme, and the S R Jindal Scholarship Scheme, both funded by the government, supported nine students with Rs 2,52,000. Furthermore, the S R Jindal Scholarship Scheme, funded by the Sitaram Jindal Foundation, provided financial assistance to seven students, amounting to Rs 88,500. Lastly, through the Mukhyamantri Yuva Swavalamban Yojana Scholarship, 50 students were granted a total of Rs 6,15,000.

Our students have also achieved notable accomplishments. Avani Kanabar was selected in the Shashtra Seema Bal of the Indian Navy, highlighting her dedication and talent. Eight students from the Civil Engineering department secured placements in reputable organizations such as Worley India, Gujarat Narmada Valley Fertilizers & Chemicals Ltd, Gujarat Fluro chemicals,

and Deepak Nitrite Limited. Furthermore, four students qualified in the GATE exam in the field of Civil Engineering, showcasing their academic excellence. Thirteen students opted for higher education, indicating their commitment to furthering their knowledge and expertise.

In terms of faculty achievements, the department's faculty members have made significant contributions. They have published one paper in national and international conferences and three papers in national and international journals, demonstrating their commitment to research and scholarly work. Additionally, nine faculty members are currently pursuing Ph.D. degrees, further enhancing their expertise in the field. The faculty members have actively participated in 28 FDPs/STTPs/Refresher courses, ensuring they stay updated with the latest advancements in Civil Engineering. The Environment Engineering Laboratory has been NABL Accredited since September 2021, while the Material Testing Laboratory achieved NABL Accreditation in June 2022. Moreover, 17 students have been trained in Civil Engineering software as part of their industrial training, providing them with practical skills and industry exposure. The department also conducted an expert lecture to enrich the learning experience of the students.

The department has also provided valuable testing and consultancy services. The Structural Design Centre generated revenue of ₹ 26,32,214/- and catered to major clients such as HLL InfraTech Services Ltd., Nani Daman, Gujarat, the Public Works Department, Work Division-I, Daman, Nani Daman, Gujarat, and RKC Infrabuilt Pvt. Ltd., Diu, Gujarat. Material Testing Services generated revenue of ₹ 15,91,160/- and served the Roads & Building Department, Gujarat.

Civil engineering department's faculty members have taken on key roles within the University. Prof. K. N. Sheth serves as the Dean of the Faculty of Technology, Prof. M. A. Patel as the Estate Officer, and Prof. S. S. Khandelwal as the Training and Placement Officer. Their involvement contributes to the overall development and progress of the department and the university as a whole.

In the academic year 2021-22, a total 100 students from the **CE department** got placed in various companies through campus recruitment with an average salary 10.36 LPA. One of the students from the department Khadija Sidhpuri received an offer from Bloomberg, London with the salary 75 LPA. 17 students from the department got placed in Amazon with 25 LPA salary.

Apart from campus recruitment, the students also did well in competitive exams like GATE, GRE and TOEFL. Total 15 students qualified for GATE 2022 and one student Dhaval Chavda secured admission in IISC, Bangalore. Harsh Joshi scored 327 out of 340 in the GRE exam. Students also achieved good rankings in the competitive coding contests. Department student Shyam Makwana secured Global rank 708 and India rank 107 in Google Hashcode 2021 contest. Yash Amethiya, published a paper titled “Comparative analysis of breast cancer detection using machine learning and biosensors” in Intelligent Medicine Journal, Elsevier.

The Department of Electronics and Communication Engineering (EC) has witnessed remarkable activities and achievements among its students and faculty members. Starting with students' placement, a total of 123 companies approached the department for training and placement opportunities. Out of the graduating batch, 73 students secured placements before the convocation day (9th May 2022), while 24 students opted for higher studies. The highest salary package offered was 6 LPA, with an average salary of 4 LPA.

Among the 3rd-year B.Tech. EC students, 55 students successfully completed their summer internships in well-known industries specializing in VLSI and Embedded Systems during Sem-VI. Ms. Neha Chaubey was honored with the Best Paper Award in the International Conference CMOS2-2022 for her paper published in the Springer proceedings. Additionally, Mr. Finaviya Harikrishna and Mr. Miyani Divyesh cleared Level 2 in the e-yantra Robotics competition (eYRC) organized by IITB. Furthermore, 10 students utilized funding of Rs. 46,185 from SSIP to complete their projects. The students also participated in a fully sponsored Cloud Base workshop on RISC-V and Open-FPGA Fundamentals organized by e-infochips, Ahmedabad.

In the final year, Ms. Arinuma Panjabi achieved 6.5 bands in the IELTS-2022 examination. Mr. Tirth Halvadia and Mr. Lakshit Unadkat secured 7.5 and 7.0 bands, respectively, in the same examination. Mr. Darshil Modha scored 323 out of 340 marks in the GRE Exam and achieved an overall band score of 8 in the IELTS exam. Ms. Luhana Nishita scored 303 out of 340 marks in the GRE Exam and also secured AIR 34 in the online National Engineering Olympiad 5.0. Ms. Cheruvullil Sruthi achieved 79.84 percentile in CAT-2021 Examination, 94.0284 percentile in the SNAP Test conducted by Symbiosis International, and 227 marks out of 360 in the NMAT Exam conducted by GMAC. Similarly, Ms. Verma Preeti secured 89.94 percentile in the CAT-2021 Examination, 80.1 percentile in the XAT Exam conducted by Xavier School of

Management, and 234 marks out of 360 in the NMAT Exam conducted by GMAC. Moreover, Mr. Viraj Kotak, Ms. Shah Isha, and Ms. Kulkarni Nikita secured AIR- 443, 2947, and 3995, respectively, in the GATE-2022 exam.

The faculty members of the EC department have also made notable contributions and achievements. Dr. Purvang Dalal's patent (384083) was granted by the Indian Patent Office on 10-12-2021. The department's faculty members have published six papers in international journals of repute, with Prof. Hetal Shah's publication in IEEE Transactions on Wireless Communications, which has an impact factor of 6.8. Dr. Mitesh Limachia and his team organized an ATAL FDP on Recent Advances in VLSI Design and Systems, supported by AICTE fund of Rs. 93,000, with 89 participants from 15 states of India. The department conducted three three-day STTPs and one five-day STTP, benefitting a total of 453 participants. Four one-day seminars were organized with the participation of 268 students. An industrial visit to e-infochips, Ahmedabad, was arranged for 64 students.

Additionally, one Ph.D. scholar under the guidance of Dr. Nikhil Kothari successfully defended their thesis and was awarded their degree. Three faculty members were granted AGP movement from Rs. 8000 to Rs. 9000, recognizing their contributions. The department also augmented its infrastructure by procuring 35 new systems with i5-16GB configurations, thereby enhancing the computing resources available.

The Department of Chemical Engineering has been actively engaged in various activities and projects related to mentorship, counselling, environmental audits, load studies, and technical evaluations. These endeavors highlight the department's commitment to providing holistic education and contributing to the field of chemical engineering. Here is a summary of the key activities and projects undertaken:

The department initiated a mentorship program for a group of five students, where each student was assigned a mentor who provided guidance and support throughout their graduation period. Additionally, faculty members were designated as class counsellors to address any queries or problems, although no significant issues were reported by the students.

Recognizing the importance of supporting slow learners, the department formed groups to assist students who required additional support in their studies. These groups aimed to help these students progress effectively in their regular coursework.

Furthermore, the department facilitated summer internships for more than 30 students, providing them with valuable industry exposure. The department also collaborated with the placement team to guide and encourage students to seize placement opportunities. As a result, 107 students secured industry jobs, while eight students chose to pursue higher studies.

In the realm of environmental conservation, the department conducted environment audits for 15 chemical process units in Gujarat. These audits were conducted under the Environmental Audit Scheme introduced by the Hon'ble High Court of Gujarat and the guidelines of the Gujarat Pollution Control Board. Notable units audited included Bharat Rasayan Ltd., Gujarat Fluro Chemicals Ltd., Coromandel International Ltd., Indian Oil Corporation Ltd. (IOCL), Sun Pharma, Grasim Industries Ltd. (Cellulosic Division), and Gujarat Narmada Valley Fertilizers & Chemicals Ltd. The audits followed accredited methods for sampling and analysis of pollutants. Additionally, the department undertook environment load studies for over 12 industries that had undergone modifications or expansions in their products. These studies aimed to assess the environmental impact of these changes, particularly in terms of effluent, air pollutants, and solid/hazardous waste. The department also evaluated the adequacy of environment management systems (EMS) implemented by more than 10 chemical units as a post-Environment Impact Assessment criterion. This evaluation focused on assessing the effectiveness and compliance of the EMS in place.

Moreover, the department conducted soil remediation studies for over 10 contaminated sites that had been affected by unauthorized dumping of solid/hazardous waste, effluent discharge, and intermediate material. The objective of these studies was to develop strategies to mitigate environmental damage and restore the contaminated sites.

Lastly, the department carried out technical evaluations of air pollution control measures and the effluent treatment plant for M/s. ArcelorMittal Nippon Steel India Limited. These evaluations involved assessing various factors such as design specifications, operating efficiencies, particle size distribution (for air pollution control measures), and stage wise sampling and analysis (for effluent treatment plant assessment).

The department has provided training for around 50 students sponsored by PI industries. This is part of extension activity under as part of anchor institute. More than 2 lac man hours of training has been provided by the department till date. These activities and projects undertaken by the

Department of Chemical Engineering demonstrate its dedication to mentorship, student support, environmental conservation, and industrial assessments. The department's efforts contribute to the overall development and progress of the field of chemical engineering.

Department of Mechanical Engineering (MH) have some remarkable activities and achievements for the year 2021-22. A total of 51 companies visited our campus for the placement of MH students and selected 65 students for various positions. Out of graduating batch, 7 students have opted for higher studies and 14 opted for entrepreneurship. The highest salary package offered was 7.5 LPA, with an average salary of 3.85 LPA. From those who opted for higher studies, Ms. Aishwarya Chauhan secured admission in State University of California, USA for MS in Mechanical Engineering. Mr. Maharshi Yagnik secured admission in Schulic school of engineering, University of Calgary Canada for MSc in Mechanical and Manufacturing Engg. Mr. Neel Patel secured admission in Lakehead University, Canada for MS in Mechanical Engineering. In final year, Mr. Abhishek Rajput scored 425 AIR and 91 percentiles in GATE-2022 exam. Ms. Aishwarya Chauhan and Mr. Purvik Patel have published a research paper in an international journal of engineering and research technology on “Hyperloop: V Mode of Transportation”. Mr. Abhishek Rajput, Mr. Utpal Rathod and Mr. Akshat Solanki received a certificate of appreciation for submitting an innovative design of air-conditioning and ventilation system for a multispecialty hospital building under ISHRAE National Student Design Competition-2022. Mr. Harsh Soni, Ms. Swara Dixit, Mr. Meet Mehta and other eight students have been awarded with six-sigma black belt certificate accredited by ASCB, USA. A total of 31 students undergone training in ‘Lean Six Sigma Green Belt’. Mr. Kamal Talpada received certificate of participation in HERO campus challenge season-7 organized by Hero MotoCorp Limited. Total 78 students of second and third year of MH Engg. have undergone training in DDUBR COE on hydraulics, pneumatics, sensorics and PLC.

The faculty members of the MH department have also made significant contributions and achievements. A total of 10 research papers are published in conferences or journals during the year. One of department faculty, Prof. Pranav R. Mehta has published 7 SCI research papers during academic year 2021-22. Moreover, all research papers are published in Q1, Q2 high impact journals. He is a recognized reviewer in reputed journals like Elsevier Solar Energy Journal (I.F. 7.188), Springer and Oxford University Press. Prof. Pranav Mehta has also made

international collaboration for research work in different countries such as Australia, Egypt, Turkey and U.A.E. Prof. Pravinkumar N. Tank has published a research paper in Taylor and Francis with impact factor of 5.3. Prof. Kavir R. Shah published a patent titled 'Weighing Scale System & Method of Trading of Commodities' in the Indian Patent Office on 03-12-2021. Prof. Krunal K. Shah, have secured rank in top 2% among 1378 candidates in Introduction to Research NPTEL inline course during Aug-Oct 2021. Prof. Divyang G. Bohra and his team organized DST sponsored FDP on 'Computational Approach Towards Thermal Engineering' and received very good response of 110 participants.

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3.0 Research and Development

3.1 Research papers Published by Faculty members and students of Dharmsinh Desai University during the academic year 2021-22

S. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal
1	Variation in organic crystallite unit for different rank Indian coals by X-ray diffraction	Yash Jaiswal Pal, Sunder Lal; Kush, Lav; Jaiswal, Harsh;	Chemical Engineering	International Journal of Oil, Gas and Coal Technology
2	A Comparative Analysis of Upper Airway Space with Lateral Cephalogram and Cone Beam Coputed Tomography in North Gujarat Population	Nikunj Prajapati Gunjan Shah Ajay Kubavat, Khyati Patel, Manish Desai, Devang Pandya	Orthodontics & Dentofacial Orthopae	International Journal of Health Sciences
3	A comparative evaluation of the color stability of commercially available provisional restorative materials after immersion in different media.	Jagruti Gadhvi Somil Mathur, Meena Shah, Akanksha Trivedi, Manan Shah, Takshil Shah	Prosthodontics and Crown & Bridge	Journal of Research and Advancement in Dentistry

4	A comparative study of body potential transient profile of Maxwellian plasma models	Ashish B.Pandya Nikhil J. Kothari;Rizwan H. Alad	Electronics and Communication	International Journal of Numerical Modelling: Electronic Networks, Devices, and Field
5	A metaheuristic approach for interval type-2 fuzzy fractional order fault-tolerant controller for a class of uncertain nonlinear system	Himanshukumar R. Patel Vipul A. Shah	Instrumentation and Control	Automatika Journal for Control, Measurement, Electronics, Computing and Communications
6	A new approach for pulse amplitude measurement using Lagrange's interpolation for radiation or particle detectors	Arpit Patel Himanshu S. Mazumdar Bhumi,Patel	Research & Development	Advance in Space Research
7	A Novel Modified Post Ramal Sling Eversion Approach For The Treatment Of Subcondylar Fractures	Haren Pandya Hiren Patel, Hitesh Dewan, Bijal Bhavsar, Urvi Shah, Parth Suthar, Smit Vithalani	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
	A Novel Technique for Accuracy in Horizontal, Vertical and Axial Bracket Placement in Orthodontic Bonding	Alka Banker Bhagyashree Desai Varshin Vala	Orthodontics & Dentofacial Orthopae	The Journal of Contemporary Dental Practice

8	A Prevalence Of TMD In Undergraduate Dental Students A Survey In Gujarat India	Hiren Patel Hiren Patel, Hitesh Dewan, Bijal Bhavsar, Urvi Shah, Kartik Dholakia, Hirak Patel, Harshad Nakum	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
9	A Questionnaire study on SARS-CoV-2: An analysis regarding professional and personal well-being of Dental Surgeons during the pandemic.	Gunjan Barot Shalini Gupta	Periodontology	Journal Of Health Sciences
10	A Questionnaire survey on understanding of the possible factors that could contribute to the student's successful performance in the clinical posting during undergraduate training	Gunjan Barot Krupa Amin, Shalini Gupta	Periodontology	JIDA - Journal Of Indian Dental Association
11	A review on synthetic investigation for quinoline- recent green approach	Ashish Patel Vashisth Bhavsar Stuti Patel, Meshwa Mehta, Yug Patel, Rushil Patel	Department of Pharmacology	Green Chemistry Letters and Review

12	Antecedents of online brand experience and its consequences: A study on amazon e-commerce	Mitesh Jadav Naresh K Patel Dharmsinh Desai University	MBA	NeuroQuantology
13	ASIC Implementation of BI RISC-V, A 32 bit RISC V core on 28 nm Technology node	Manish K Patel Mitesh J. Limachia	Electronics and Communication	Dickensian Journal
14	Bearing Capacity of Isolated Square Skirted Foundation on Cohesionless Soil: An Experimental and Analytical Study	Samir.P. Parmar R.M.Patel	Civil Engineering	Journal of Advances in Geotechnical Engineering
15	Biodentine A Bandage to Dentine: A Review	Darshil Sodha Dipti Choksi, Barkha Idnani, Nishtha Chauhan	Conservative Dentistry and Endodont	International Journal Dental and Medical Sciences Research
16	Collagen in Health and Disease -A Review	Shamila Shetty Shrinidhi Ballal,Nishith RK,Megha Vanasi	Periodontology	International journal of innovative sciences and research technology
17	Comparison on different storage of Big Data Tools: Comparative Study	Hetal Shah Jaydeep Rauji	MCA	International Journal of Scientific and Research Publications
18	Composition-dependent tunability of thermoelectric properties at low temperature for Pr-doped LPFCO double perovskite	Yash Jaiswal L Kush;S. Srivastava; C. Sasikumar; S.K. Vajpai; Y. Srivastava,	Chemical Engineering	Journal of Materials Science: Materials in Electronics
19	Dental implant biomaterials	Naman Vaidaya Deesha Chhaya, Vasumati Patel, Harita	Conservative Dentistry and Endodont	International Journal of Health Sciences

		Shah Krutika Chudasama, Shivani H. Doshi		
20	Design and Simulation of Energy-Efficient Offset-Cancelling Sense Amplifier in 20-nm FinFET Technology	Mitesh J. Limachia	Electronics and Communication	International Journal of VLSI Design, Microelectronics and Embedded System
21	Development and Validation of RP-HPLC Stability indicating method for simultaneous estimation of Doultgravir and Lamivudine in Bulk and Pharmaceutical Dosage form.	Khushboo Patel Tejas B Patel Ujaskumar Shah, Hirak Joshi, Jayvadan K Patel	Department of Pharmaceutics and Pharmaceutical Technology	Journal of Pharmaceutical Research International
22	Development, Validation and forced Degradation study of Emtricitabine and Tenofovir Alafenamide in its Pharmaceutical Dosage form using RP-HPLC	Khushboo Patel Tejas B Patel Ujaskumar Shah, Hirak Joshi, Jayvadan K Patel	Department of Pharmaceutics and Pharmaceutical Technology	Journal of Pharmaceutical Research International
23	Digital Modulation/Demodulation Techniques on FPGA	Pallavi G. Darji	Electronics and Communication	International Journal of Novel Research and Development
24	Endodontic management of mandibular premolar with vertucci's type iv and type v root canal system – A case	Riddhi Doshi Dipti Choksi, Barkha Idnani, Neel Patel	Conservative Dentistry and Endodont	International Journal of Dental Science and Innovative Research (IJDSIR)
25	Endodontic management of radix entomolaris - A case series	Jaini Thakkar Dipti Choksi, Barkha Idnani, Riddhi Doshi	Conservative Dentistry and Endodont	International Journal of Dental Science and Innovative Research (IJDSIR)
26	Evaluation of online teaching methodology followed by dental institutes in the state of gujarat during covid 19 pandemic.	Vaibhavi Joshi Somil Mathur, Rakesh Makwana, Snehal Upadhyay, Takshil Shah	Prosthodontics and Crown & Bridge	Vidhya Journal
27	Experimental investigation of critical heat flux, pressure drop and heat transfer coefficient for the flow boiling	P. N. Tank Arunkumar Sridharan, S. V. Prabhu	Mechanical Engineering	Experimenal Heat Transfer

	in a horizontal lobed channel with R-123			
28	Fog Computing Algorithms: A Survey and Research Opportunities	Shaifali Malukani C. K. Bhensdadia	Computer Engineering	Applied Computer Systems
29	Fuzzy Logic Based Metaheuristic Algorithm for Optimization of Type-1 Fuzzy Controller: Fault-Tolerant Control for Nonlinear System with Actuator Fault	Himanshukumar R. Patel Vipul A. Shah	Instrumentation and Control	IFAC-PapersOnLine
30	Fuzzy-based metaheuristic algorithm for optimization of fuzzy controller: fault-tolerant control application	Himanshukumar R. Patel Vipul A. Shah	Instrumentation and Control	International Journal of Intelligent Computing and Cybernetics
31	Gradient-based optimizer for economic optimization of engineering problems	Pranav Mehta Betül Sultan Yildiz, Sadiq M. Sait and Ali Riza Yildiz	Mechanical Engineering	Materials Testing
32	Hunger games search algorithm for global optimization of engineering design problems	Pranav Mehta Betül Sultan Yildiz, Sadiq M. Sait and Ali Riza Yildiz	Mechanical Engineering	Materials Testing
33	Impact of work function variations on data stability of FinFET based 6T SRAM cell	Mitesh J. Limachia Nikhil J. Kothari R.A.Thakkar	Electronics and Communication	Journal of VLSI Design Tooles & Technology
34	India's Social Stock Exchange (ISSE) – A 360° Analysis - Today's commitment for tomorrow's action	Divyesh Patel Naresh K Patel Dharmsinh Desai University	MBA	Journal of Sustainable Finance & Investment
35	Knowledge, Attitude, and Behaviour for choosing oral hygiene aids among students of Dharmsinh Desai Institute, Nadiad, Gujarat	Akil Desai Vasumati Patel, Shalini Gupta, Hiral Purani, Jinal Patel, Devang Lathiya	Periodontology	Journal of health sciences
36	Management of endo-perio lesion using chorionic membrane and cancellous bone autograft: a case report	Devang Lathiya Vasumati Patel, Shalini Gupta, Tushar Gangani, Meghna Pujara, Nirjara Doshi	Periodontology	Journal of health sciences

37	Ma3nta ray foraging optimization algorithm and hybrid Taguchi salp swarm-Nelder–Mead algorithm for the structural design of engineering components	Ali Riza Yildiz Pranav Mehta	Mechanical Engineering	Materials Testing
38	Measuring Online Brand Experience & it's impact on Consumer Satisfaction and Loyalty	Mitesh Jadav Naresh K Patel Dharmsinh Desai University	MBA	
39	Mucormycosis of Jaws – Literature Review and Current Treatment Protocols	Hitesh Dewan Hiren Patel, Haren Pandya, Bijal Bhavsar, Urvi Shah, Surya Singh	Oral and Maxillofacial Surgery	National Journal of Maxillofacial Surgery
40	Non Hodgkin's Lymphoma Of Face Involving Hard Palate - A Rare Case Report And Review Of Literature	Deepa Brhambhatt Neha Vyas, Nitu Shah	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
41	Online Brand Experience; Scale development and validation	Mitesh Jadav Naresh K Patel Dharmsinh Desai University	MBA	International Journal of Early Childhood Special Education
42	Optimal Methodology for Water Recycling and Reusability of Multiproduct Batch Plant	Jaydeep M. Jivani Dr.M.S.Rao;Dr.A.P. Dhanwani	Chemical Engineering	Water-Energy Nexus
43	Optimal Wireless Technology Selection Approach for Sustainable Indian Smart Grid	Jignesh G. Bhatt Omkar K. Jani, V.S.K.V. Harish	Instrumentation and Control	Strategic Planning for Energy and the Environment (SPEE) Journal
44	Performance based optimal selection of communication technologies for different smart microgrid applications	Jignesh G. Bhatt V.S.K.V. Harish, Omkar K. Jani, Gaurav Saini	Instrumentation and Control	Sustainable Energy Technologies and Assessments
45	Post covid 19 complication- mucormycosis :- a case report	Nirjara Doshi Vasumati Patel,Shalini Gupta,Sarita Mori,Anal Trivedi,Akil Desai	Periodontology	Journal of health sciences
46	Post-Expansion and End of Treatment Outcome of Semi-Rapid Maxillary Expansion with Modified Removable Appliance	Alka Banker Bhagyashree Desai Malvi Thakkar, Sarandeep S. Huja	Orthodontics & Dentofacial Orthopae	Indian Journal of Dental Research

47	Prevalance of Habit related oral lesion in patient visiting college in central gujurat	Priti Shah Mona Shah , Kevin parikh & Hetul Patel	Oral Medicine & Radiology	Journal of Reasearch and Advancement in Dentistry
48	Prevalence and Pattern of Third Molar Impaction: A Retrospective Study of Orthopantomograms	Pratap Movaniya Hirak Patel Shravan Joshi, Falguni Mafat Sodha, Sweetu Patel, Anjana Toliya	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
49	Reactive Extraction of Acetic Acid by Using Tri-Butyl-Phosphate with Different Diluents	Yash Jaiswal A.K. Shakya ; S.L. Pal; S. Srivastava	Chemical Engineering	Chemical Data Collections
50	Resin infiltration: a micro-invasive approach to white spot lesions	Aabha Rawal Dipti Choksi, Barkha Idnani, Darshil Sodha	Conservative Dentistry and Endodont	International Journal of Dental Science and Innovative Research (IJDSIR)
51	Resources and Components for Gujarati NLP Systems: A Survey	Nikita P. Desai Vipul K. Dabhi	Information Technology	Artificial Intelligence Review
52	Salivary Duct Retention Cyst Of Parotid Gland: A Report Of A Rare Case	Haren Pandya Hiren Patel, Hitesh Diwan, Bijal Bhavsar, Urvi Shah, Harsh Dave	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
53	Smart Helmet with Notification Screen, Alcohol Detector and Bluetooth Speaker	Yash Pandav Shweta Gaur Darshan Siroya, Keyur Gajera	Instrumentation and Control	Journal of Emerging Technologies and Innovative Research
54	Software Defined Networking Challenges and Consequences	Vivek J. Vyas	MCA	International Journal Of Engineering Trends And Applications
55	SPT, SCPT, and DCPT Correlation for SC, CL, and SM-SC Soils: A Case Study of Nadiad Soil	Chintan Patel Samir P Parmar	Civil Engineering	International Journal of Advanced Research in Civil & Structural Engineering
56	Strength and feasibility aspects of concrete mixes induced with low-cost surfactant functionalized graphene powder	Sejal Dalal Purvang Dalal, Vimal Gandhi, Atindra Shukla	Civil Engineering	Asian Journal of Civil Engineering

57	Successful Non-surgical management of a large periapical lesion using Calcium Hydroxide as an intracanal medicament- A Case Report	Neel Patel Dipti Choksi, Barkha Idnani, Jaini Thakkar	Conservative Dentistry and Endodont	International Journal of Dental Science and Innovative Research (IJDSIR)
58	Technique for balanced load balancing in cloud computing environment	Narayan A. Joshi	MCA	International Journal of Advanced Computer Science and Applications
59	The Experimental Failure behaviour of a Prestressed Concrete Electricity Transmission Pole: A Case Study for Kannauj Soil, Uttar Pradesh, India	Samir.P. Parmar	Civil Engineering	Journal of Engineering Analysis and Design
60	To Evaluate The Efficacy Of Buprenorphine For Postoperative Analgesia After Lower Third Molar Surgery: A Comparative Split Mouth Study	Deepa Brhambhatt Shishir Shah, Neha Vyas, Nitu Shah	Oral and Maxillofacial Surgery	Turkish Journal of Oral and Maxillofacial Surgery
61	Triaxial Test on Soil - Important Insights for Stress-Controlled and Strain-Controlled Test	Samir.P. Parmar	Civil Engineering	Journal of Earthquake Science and Soil Dynamics Engineering
62	Type-2 fuzzy logic applications designed for active parameter adaptation in metaheuristic algorithm for fuzzy fault-tolerant controller	Himanshukumar R. Patel Vipul A. Shah	Instrumentation and Control	International Journal of Intelligent Computing and Cybernetics
63	Use of pterygium sutures and diode laser in second-stage implant procedure for single implant- retained overdenture	Anal Trivedi Vasumati Patel, Shalini Gupta, Hiral Purani	Periodontology	Indian journal of health and research
64	3D Printing In Endodontics	Nishtha Chauhan Dipti Choksi, Barkha Idnani, Aabha Rawal	Conservative Dentistry and Endodont	International Journal of Dental Science and Innovative Research (IJDSIR)

3.2. International Conference papers presented by faculty and students of Dharmsinh Desai University during the Academic year 2021-22

S. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference
1	Ashish B.Pandya Nikhil J.Kothari,Rizwan Alad Suryakant Gupta	A Comparative Analysis of Differential Charging for Triple Junction of Space-Grade Materials in Single and Double Maxwellian Plasma Models	The 16th Spacecraft Charging and Technology Conference	The 16th Spacecraft Charging and Technology Conference
2	Alpita Makwana Dr. Haresh Suthar, Heta Shah, Shashank shah	A Review of Solenoid Plunger Movement Detection Method	PiCET-2022	International Conference on Engineering & Technology(PiCET-2022)
3	Sunil K. Vithlani Vipul K. Dabhi	A Survey of Architecture and Applications of Big Data Analytics in Agriculture		Virtual Workshop on Data Science for Agriculture and Natural Resources Management 2021
4	Bhavika M Patel Niraj M Pathak; Elbaz I. Abouelmagd	Analysis of third order resonant periodic orbits in perturbed circular restricted three body problem	MMCITRE2022	MMCITRE2022
5	Sejal Dalal Purvang Dalal	Assessment of Seismic Performance and Vulnerability of a 20-Storeyed Reinforced Concrete Moment-Resisting Frame Designed by Direct Displacement-Based Design and Force-Based Design	Recent Advances in Earthquake Engineering . Lecture Notes in Civil Engineering	Springer Nature Singapore Pte Ltd.
6	Dhara J. Ladani Nikita P Desai	Automatic stopword identification technique for Gujarati text	2021 International Conference on Artificial Intelligence and Machine Vision (AIMV)	International Conference on Artificial Intelligence and Machine Vision (AIMV)

7	Hariom Pandya Brijesh Bhatt	Cascading Adaptors to Leverage English Data to Improve Performance of Question Answering for Low-Resource Languages	Proceedings of the 18th International Conference on Natural Language Processing (ICON)	Proceedings of the 18th International Conference on Natural Language Processing (ICON)
8	Riya P Javia Mukesh M. Goswami Suman K Mitra	Character Segmentation from Handwritten Gujarati isolated words using Deep Learning		18th India Council International Conference (INDICON)
9	Vishal Singh Ng Prabir Kumar Mitra, Bhuwan Joshi, Ramitendranath Bhattacharyya, Aweek Sarkar, Dhanya M B, Manju G, Anil Kumar, Partha Konar	Deep learning towards Solar flare prediction		
10	Divyesh Patel Naresh K Patel	Disecting the financial statement with surgical precision		ISDSI
11	Ashish B.Pandya Nikhil J.Kothari,Rizwan Alad Suryakant Gupta	Efficient Computation of Differential Charging Time Scales between Cover Glass and Spacecraft Body in Severe GEO Plasma Environment	Appllied Space Enviornments	Appllied Space Enviornments
12	Keyur M.Patel Dr. Rizwan Alad;Prof. Ashish Pandya;Dr. Suryakant Gupta	Electrostatic Analysis of GSAT-19 Satellite Structure for Absolute Charging	The 16th Spacecraft Charging and Technology Conference	The 16th Spacecraft Charging and Technology Conference
13	Ms. Jenee Christian None Kinjal J.Parikh, KuldeepRajpoot, Rakesh KumarTekade	Environmental and safety aspects of bionanotechnology		

14	Siddharth Modi Meka Srinivasa Rao TCSM Gupta	Evaluating probabilistic chances of overpressure induced mechanical explosion: A case study of hydrogenation of heavy base oils	Advances in Sustainable Development	Advances in Sustainable Development
15	Akbar K.B. Samir.P.Parmar	Experimental and analytic study of the uplift capacity of a horizontal plate anchor embedded in geo-reinforced sand	IGGEC-21	IGGEC-21
16	P. N. Tank Gajendra Kumar, Arunkumar Sridharan, S.V. Prabhu	Experimental study of local boiling heat transfer coefficient in the uniformly spaced transverse grooved horizontal tube with R-123	Proceedings of the 26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference, December 17- 20, 2021, IIT Madras, Chennai-600036, Tamil Nadu, India	26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference, December 17-20, 2021, IIT Madras, Chennai-600036, Tamil Nadu, India
17	Himanshukumar R. Patel	General Type-2 Fuzzy Logic Systems Using Shadowed Sets: A New Paradigm Towards Fault-Tolerant Control	2021 Australian & New Zealand Control Conference (ANZCC)	2021 Australian & New Zealand Control Conference (ANZCC)
18	Jatayu Baxi Brijesh Bhatt	GujMORPH - A Dataset for Creating Gujarati Morphological Analyzer	Proceedings of the 13th Language Resources and Evaluation Conference	Proceedings of the 13th Language Resources and Evaluation Conference
19	Himani Tiwari Dr Himani Tiwari	hybrid peripheral nerve sheath tumor of parapharyngeal space having features of neurofibroma and schwannoma	BSOMP 2022 meetings	BSOMP 2022
20	Kunjal Mistry	Latest trends in contemporary endodontics- 2022	Workshop at Narsinhbhai Patel Dental College and Hospital, Visnagar	Workshop
21	Kunjal Mistry	Magnification in Dentistry	College of Dental Sciences, Bhavnagar, Gujarat.	Workshop
22	Jatayu Baxi Brijesh Bhatt	Morpheme boundary Detection & Grammatical feature Prediction for Gujarati : Dataset & Model	Proceedings of the 18th International Conference on Natural Language Processing (ICON)	Proceedings of the 18th International Conference on Natural Language Processing (ICON)

23	Meghna Pujara	Paper- A periodontal plastic microsurgical procedure for the reconstruction of interdental papillae in maxillary anterior region- A case series	7th PeriInsight 2022 National Level Conference on Advances in Periodontal Regeneration	7th PeriInsight 2022 National Level Conference
24	Kunal J Sahitya Bhavesh Borisaniya	Pay-Per-Byte for Block Reward: A Revised Incentive Mechanism in Bitcoin	Springer Series: Lecture Notes in Electrical Engineering	International Conference on Security, Privacy and Data Analytics(ISPDA-2021)
25	Fatema Vhora Jay Gandhi, Ankita Gandhi	Q-TOMEC: Q-Learning based Task Offloading in Mobile Edge Computing	2021 International Conference on Futuristic Trends In Networks and Computing Technologies	Fourth International Conference on Futuristic Trends In Networks and Computing Technologies
26	Mitali J Doshi Niraj M Pathak; Elbaz I. Abouelmagd	Single variable regression model with error analysis for evaluation of periodic orbit in formation satellite	MMCITRE2022	MMCITRE2022
27	Narayan Joshi	Starvation free and priority oriented resource sharing in cloud computing environment	In Process	International Conference on recent advancements and innovations in computing, communication and information technologies
28	Jignesh G. Bhatt Omkar K. Jani; V.S.K.V. Harish	Weather-aware selection of wireless technologies for neighborhood area network of Indian smart grid	Lecture Notes in Electrical Engineering (LNEE)	Springer 2022 1st Indo - Serbian International Conference on Computational Intelligence for Engineering and Management Applications (CIEMA 2022)
29	Dr. Atul Patel Vimal B. Patel	A study of a Fuzzy Mathematical System		Surabhi Publication

3.3. Patents published/awarded year wise during the academic year 2021-22

S.No	Name of the Patenter	Patent Number	Title of the patent
1	N. S. Patel	201721024125	Ferrofluid Based Hydrodynamic Journal Bearing
2	Atindra Shukla	201921013332	Hybrid Clay for Capturing CO ₂
3	Purvang Dalal	362074	A METHOD OF LINK RETRANSMISSION DELAY MEASUREMENT AND CORRECTING ROUND TRIP TIME ESTIMATION USING CROSS LAYER SCHEME FOR REVISING TCP'S SENDING RATE IN WLAN
4	K. R. Shah	202021023027	Weighing Scale System & Method of Trading of Commodities
5	Dr.Himanshu S Mazumdar		AN ENHANCED OPTICAL 3D AUTO MICROSCOPE
6	Atindra Shukla	202021051878	Fuel Additive for Diesel for Improving Efficiency
7	Purvang Dalal	384084	CONCRETE WITH FUNCTIONALIZED GRAPHENE AND PREPARATION METHOD THEREOF
8	Dr. Vivek Vyas	202211008738	An AI based module to calculate the sleep patterns of the working professionals
9	Dr. Vivek Vyas	202211014158	Financial System Management of E-Commerce Sites using Machine Learning Approach to Understand the Percentage of Profit

3.4. Research project undertaken for the year 2021-22.

S No	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator	Name of the Funding agency	Funds provided (INR in lakhs)
1	Poor Man's Water Filter	Atindra Shukla	GSFC-Science Foundation	13,80,000
2	Exploitation of Photocatalyst for Degradation of Pollutants in Photocatalytic Reactor using Visible Light Irradiation	Atindra Shukla	Exploitation of Photocatalyst for Degradation of Pollutants in Photocatalytic Reactor using Visible Light Irradiation	9,00,000
3	Hydrogenation of Heavy Base Oils	Meka Srinivasa Rao	APAR Industries	40,000
4	An accurate, environment friendly and fully automatic ppb level arsenic analyzer	Himanshu S. Mazumdar	Scheme for Young Scientists and Technologists,SEED Division	21,94,701
5	Stable Nanodispersion of Alccofine for Industrial Applications.	Atindra Shukla	Alcolab India LLP	3,59,000
6	Investigation and Improvement of Soda Ash Quality	Atindra Shukla	GHCL	1,00,000
7	Development and characterisation of herbal ciggarette for the treatment of ashthma	Dinal Patel	SSIP	1,62,000
8	Development and evaluation of herbal formulation containing extract of bacopa monniera	Tejas Patel	SSIP	33,000
9	Development of in-situ Sustained release herbal medicine for Otitis media	Mansi Dholkia	SSIP	32,000
10	Effects of various edible oils in high fat diet induced hyperlipidemia in rats	Arun Soni	SSIP	48,000
11	Evaluation of hypo-endrogenic effect Mesua ferrea linn in experimentally induced PCOS in female rats	Arun Soni	SSIP	1,50,873

12	Evaluation of spasmolytic effect of Psidium guajava chicken ileum preparation	Arun Soni	SSIP	1,60,355
13	Modelling and Prediction for Control of Plasma Disruptions in Tokamak using Machine Learning	Himanshu S. Mazumdar	National Fusion Programme(NFP-IPR)	29,30,100
14	Design, Development and Optimization of Mesua Ferrea Linn loaded albumin nanoparticles and its effect on lipid peroxidation in cervical cancer	Tejal Soni	SSIP	32,000
15	Development of engineered colon specific nanocomposite film for microbially control delivery system	Tejal Soni	SSIP	25,000
16	Development of novel surface modified plan derived Exosome-like Nanoparticle encapsilated with anti-cancer drug for the treatment of Adeno Cell Cancer	Tejal Soni	SSIP	35,000
17	Development of topical herbal gel of cabbage leaves and turmeric for treatment of Breast Engorgement	Mehul Patel	SSIP	25,000
18	In vitro evaluation of acaricidal effect of various natural ingredients and formulation of thereof	Punitkumar Bhatt	SSIP	28,000

3.5. Skill Development programs organised during the year 2021-22

S.No	Name of the workshop/ seminar	Number of Participants	Duration of the program
1	Chemical Plant Operator course	58	05-11-2022 to 31-07-2022
2	Implementation of National education Policy(NEP) 2020	121	04-12-2021 to 04-12-2021
3	Equity & Inclusion	120	30-07-2021 to 30-07-2021
4	Multidisciplinary & Holistic Education	111	08-02-2021 to 08-02-2021
5	Skill, Entrepreneurship Development & Employability: Challenge and Opportunities	102	08-03-2021 to 08-03-2021

6	Effect of NEP on Youth Empowerment And Sports Development	102	08-04-2021 to 08-04-2021
7	Indian Knowledge System, Languages, Arts and Culture	96	08-05-2021 to 08-05-2021
8	Quality Education, Accreditation And Teacher Development	104	08-06-2021 to 08-06-2021
9	Research Innovation And Ranking	70	08-09-2021 to 08-09-2021
10	Use Of Technology In Education	90	08-10-2021 to 08-10-2021
11	SSIP Sensitization	146	18-08-2021 to 18-08-2021
12	Rotary Endodontics	45	21-06-2021 to 22-06-2021
13	Activities at R&D Center, DDU	49	26-02-2022 to 26-02-2022
14	MATLAB-Simulink basics and LTE/5G System Implementation	102	06-10-2021 to 06-12-2021
15	VLSI Systems-A Desinger's point of view	150	15-06-2021 to 19-06-2021
16	Applications of Machine Learning in Wireless Communications & Computer Vision	161	24-06-2021 to 26-06-2021
17	Mathematical Modeling & its Enginnering Applications	40	29-07-2021 to 31-07-2021
18	“Entrepreneurship Skill Development in Pharmaceuticals and Healthcare	130	23-02-2022 to 23-02-2022
19	A Webinar on “Redesign Yourself: Out of Box Thinking”	146	25-02-2022 to 25-02-2022
20	A pitching event for PoCs developed by the students and an interaction	30	28-02-2022 to 28-02-2022

21	"Women Scientists in Health Care Innovations"	203	03-08-2022 to 03-08-2022
22	Oral Presentation on Innovative Product/Prototype/Process Etc.	63	25-04-2022 to 25-04-2022
23	How to Plan for A Start-Up in Pharmaceuticals and Healthcare"	61	05-04-2022 to 05-04-2022
24	One Week training program on raspberry pi, PLC, LabVIEW and MATLAB	59	05-02-2022 to 05-09-2022
25	Oral and Maxillofacial Surgeons Day	312	02-12-2022 to 02-12-2022
26	Demystifying Aligners in Orthodontics	100	31-07-2021 to 31-07-2021
27	Introduction to In-house aligner for Orthodontics & Digital Orthodontic Appliance	100	09-07-2021 to 09-07-2021
28	Fundamental in invisalign	100	08-10-2022 to 08-10-2022
29	Mental and physical health awaremess by dr. krushna pathak	235	04-05-2022 to 04-05-2022
30	CDE Webinar on "Microsurgery in Periodontics" by Dr. Nymphea Pandit	500	12-08-2021 to 12-08-2021
31	Basics of Dental Photography	254	31-01-2022 to 31-01-2022
32	World Oral health awarenss week(7 events) - PCD	326	19-03-2022 to 27-03-2022
33	Flash mob at OPD area on World oral health day	326	19-03-2022 to 27-03-2022
34	Teacher's training program	326	19-03-2022 to 27-03-2022

4.0 New Education Policy (NEP) 2020

Dharmsinh Desai University (DDU) recognizes the transformative potential of the New Education Policy (NEP) 2020 and has organized a series of seminars and workshops to explore the various aspects and implications of this policy. These events aim to engage educators, students, and other stakeholders in discussions and deliberations on key topics related to NEP 2020.

Multidisciplinary & Holistic Education: One of the key focuses of NEP 2020 is promoting multidisciplinary and holistic education. DDU organized a seminar to delve into this aspect, emphasizing the integration of different disciplines and the holistic development of students. The seminar explored the implementation challenges, pedagogical approaches, and best practices to provide a well-rounded education experience.

Skill, Entrepreneurship Development & Employability: Challenge and Opportunities: DDU conducted a workshop to discuss the significance of skill development, entrepreneurship, and employability in the context of NEP 2020. The session explored the challenges and opportunities in aligning the curriculum with industry requirements, fostering entrepreneurship skills, and enhancing students' employability.

Effect of NEP on Youth Empowerment And Sports Development: Recognizing the role of sports in holistic development, DDU organized a seminar to examine the impact of NEP 2020 on youth empowerment and sports development. The session discussed strategies to promote sports in the education system, create infrastructure, and foster a culture of physical well-being among students.

Indian Knowledge System, Languages, Arts, and Culture: To preserve and promote Indian knowledge systems, languages, arts, and culture, DDU organized a workshop to explore ways to integrate them into the curriculum. The session focused on preserving traditional knowledge, promoting regional languages, and fostering cultural understanding among students.

Quality Education, Accreditation And Teacher Development: DDU organized a seminar to discuss the importance of quality education, accreditation, and teacher development under NEP 2020. The session addressed the need for accreditation mechanisms, teacher training programs, and continuous professional development to ensure high-quality education delivery.

Research Innovation And Ranking: To foster research and innovation in higher education, DDU conducted a workshop to discuss the role of NEP 2020 in promoting research culture,

interdisciplinary collaborations, and enhancing institutional rankings. The workshop explored strategies to facilitate research excellence and promote innovation in academic settings.

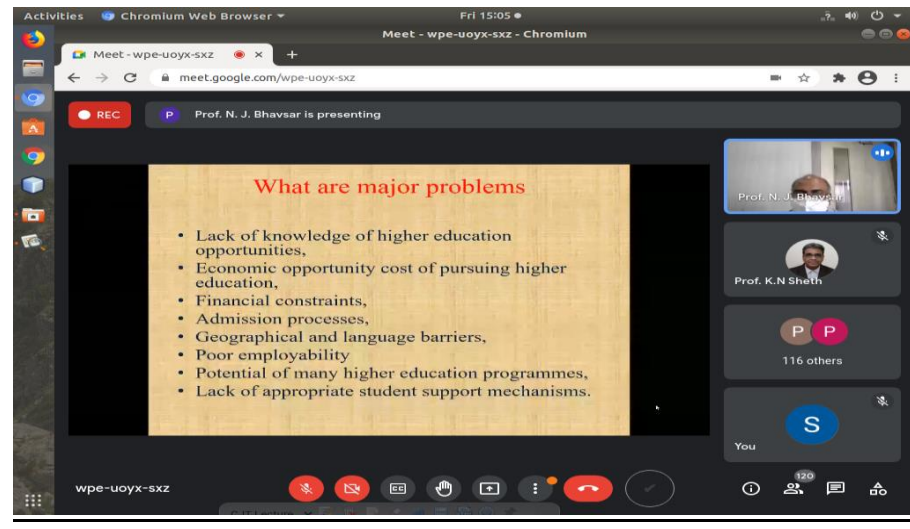
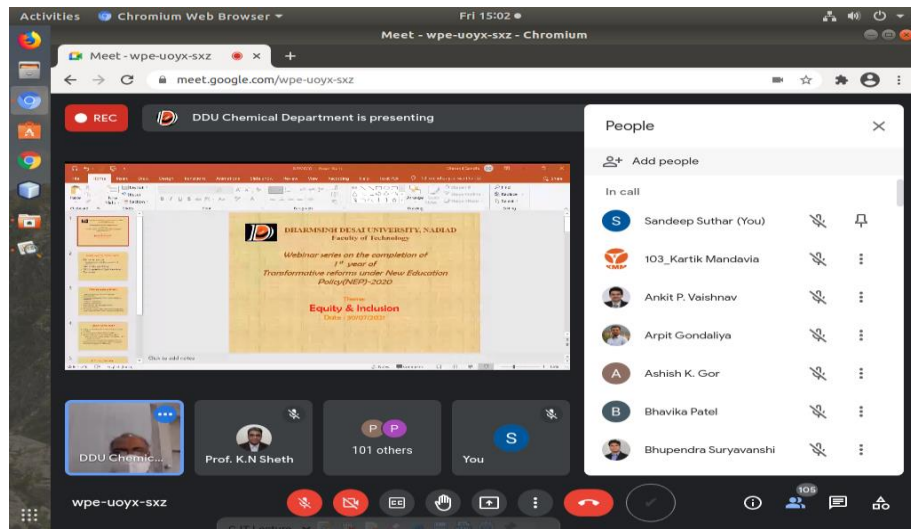
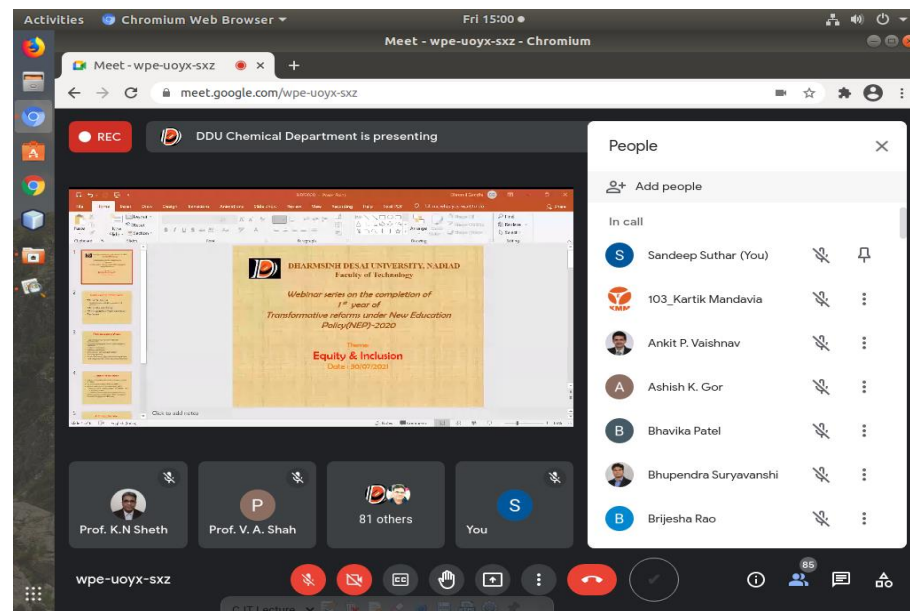
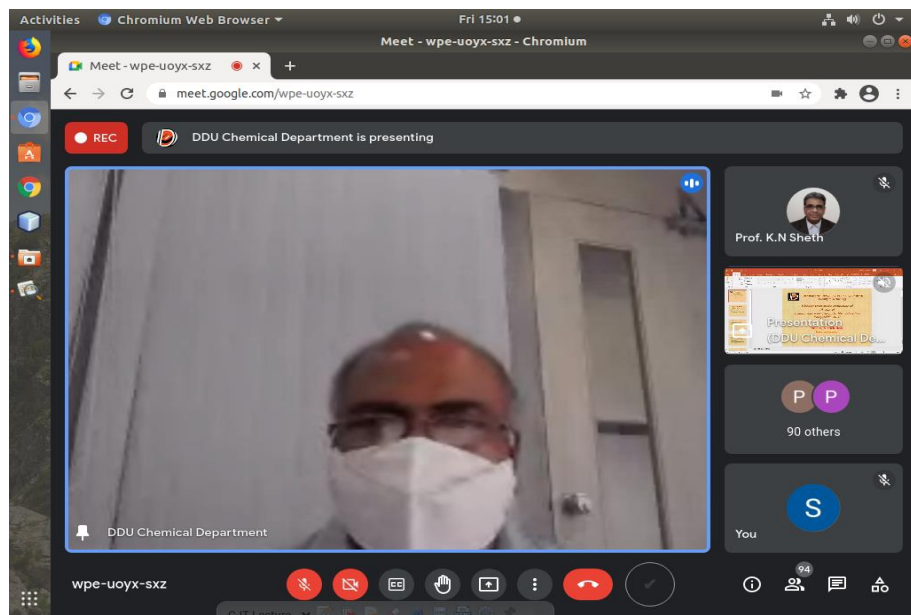
Recognizing the significance of technology in education, DDU organized a seminar to explore the integration of technology in teaching and learning processes as per NEP 2020 guidelines. The session focused on leveraging digital tools, online learning platforms, and innovative teaching methods to enhance educational outcomes.

The seminars and workshops conducted at DDU on various aspects of NEP 2020 provided a platform for meaningful discussions and insights into the policy's implementation. These events facilitated collaboration, shared best practices, and encouraged stakeholders to actively engage in transforming the educational landscape in line with NEP 2020. By addressing the key topics outlined in the workshops and seminars, DDU demonstrates its commitment to aligning with the vision of NEP 2020 and contributing to the holistic development of students and the advancement of the education system as a whole.

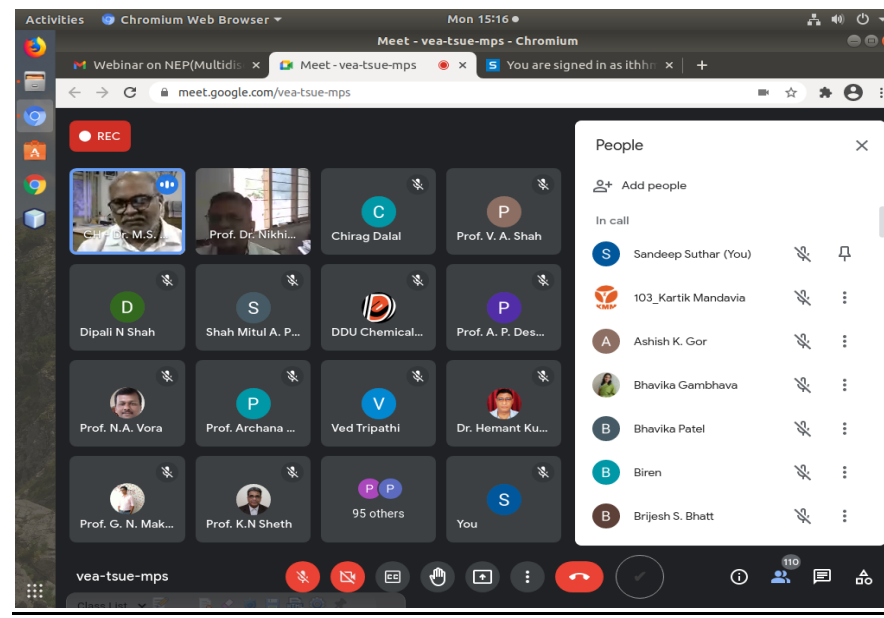
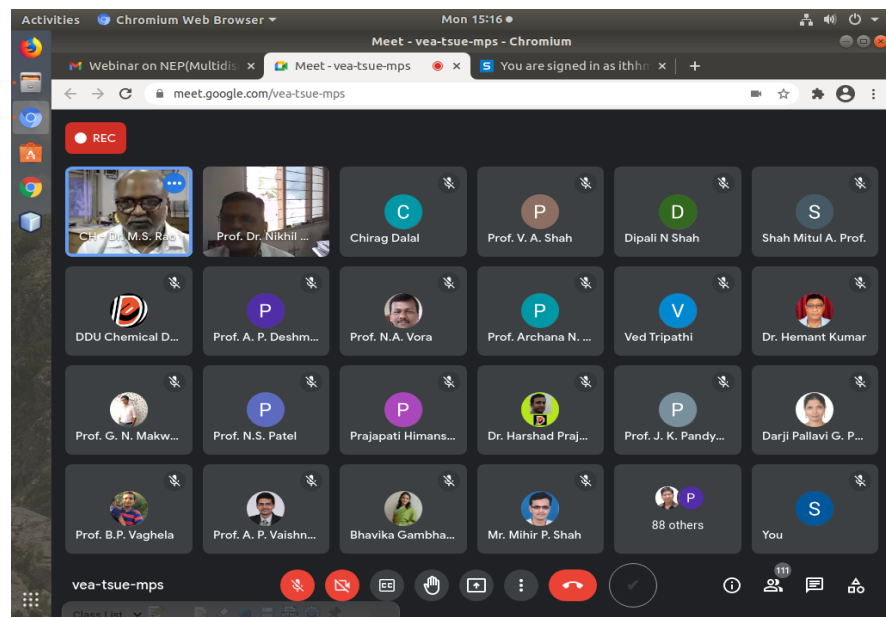
**Action report on Theme based webinar series on completion of the 1 year of Transformative reforms
under New Education Policy(NEP)-2020**

Sr. No.	Date	Theme	Name of the activity organized at institute level (Based on Theme)	No. of participated	Description of the activities
1	30.07.21	Equity & Inclusion	Webinar with the title “Equity and Inclusion ” was organized	120	Dr. M.S.Rao delivered the talk
2	02.08.21	Multidisciplinary & Holistic Education	Webinar with the title “Multidisciplinary & Holistic Education” was organized	111	<u>Dr. Nikhil Kothari has delivered the talk</u>
3	03.08.21	Skill, Entrepreneurship Development & Employability: Challenge and Opportunities	Webinar with the title “Skill, Entrepreneurship Development & Employability: Challenge and Opportunities” was organized	102	<u>Dr. B.S.Bhatt has delivered the talk</u>
4	04.08.21	Effect of NEP on Youth Empowerment And Sports Development	Webinar with the title “Effect of NEP on Youth Empowerment And Sports Development” was organized	102	<u>Dr. V.G.Gandhi has delivered the talk</u>
5	05.08.21	Indian Knowledge System, Languages, Arts and Culture	Webinar with the title “Indian Knowledge System, Languages, Arts and Culture ” was organized	96	<u>Dr Chetan S Bhatt, Dean placement and industry institute interaction has delivered the talk on 6/8/21</u>
6	06.08.21	Quality Education, Accreditation And Teacher Development	Webinar with the title “Quality Education, Accreditation And Teacher Development ” was organized	104	<u>Dr. C K Bhansdadia, Dean accreditation and approvals has delivered the talk</u>
7	09.08.21	Research Innovation And Ranking	Webinar with the title “Research Innovation And Ranking” was organized	70	<u>Dr H.S.Mujumadar, Dean R&D has delivered the talk</u>
8	10.08.21	Use Of Technology In Education	Webinar with the title “Use Of Technology In Education ” was organized	90	<u>Dr. Purvang Dalal, Dean IT and net working has delivered the talk</u>

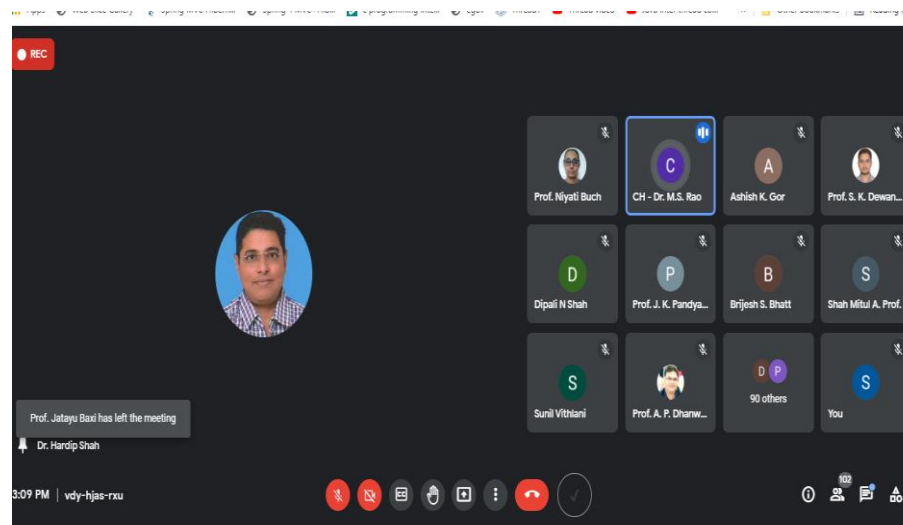
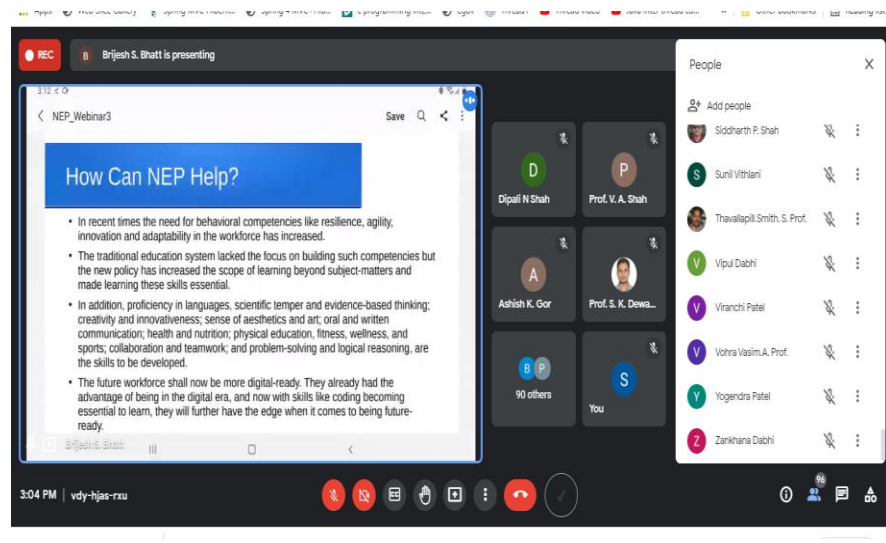
A program on Equity & Inclusion organized on 30.07.21



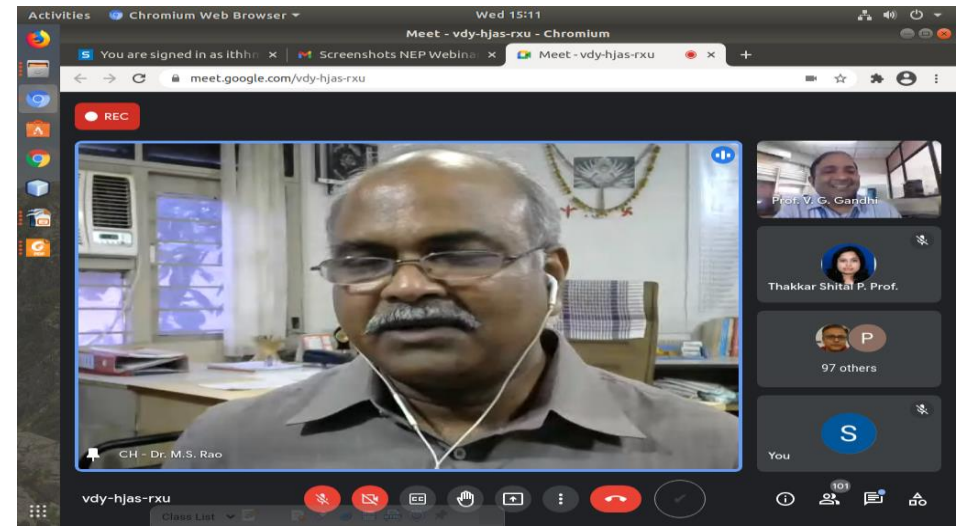
Multidisciplinary & Holistic Education organized on 02.08.21



Skill, Entrepreneurship Development & Employability: Challenge and Opportunities organized on 03.08.21



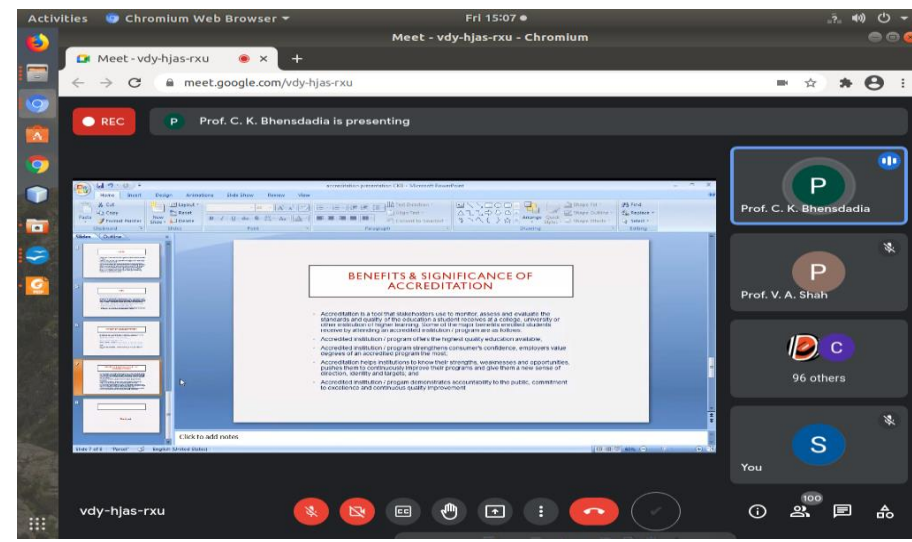
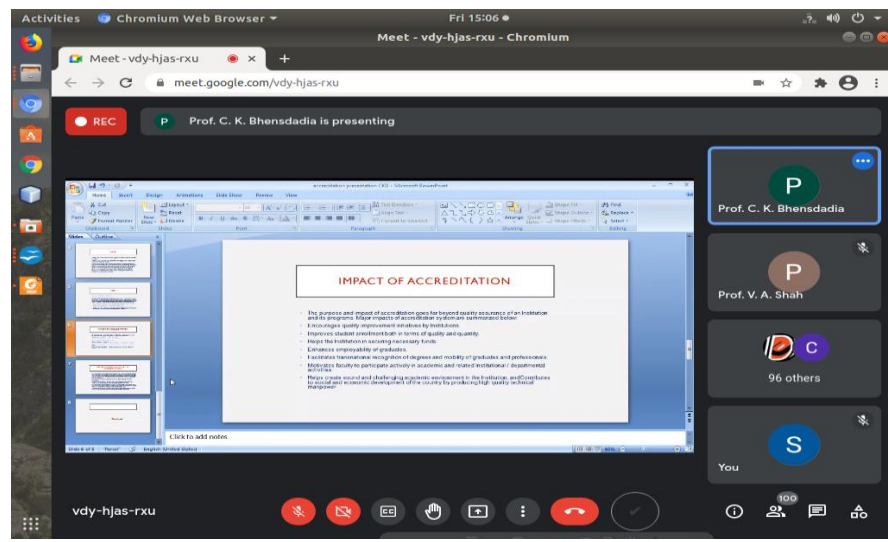
04.08.21 : Effect of NEP on Youth Empowerment And Sports Development



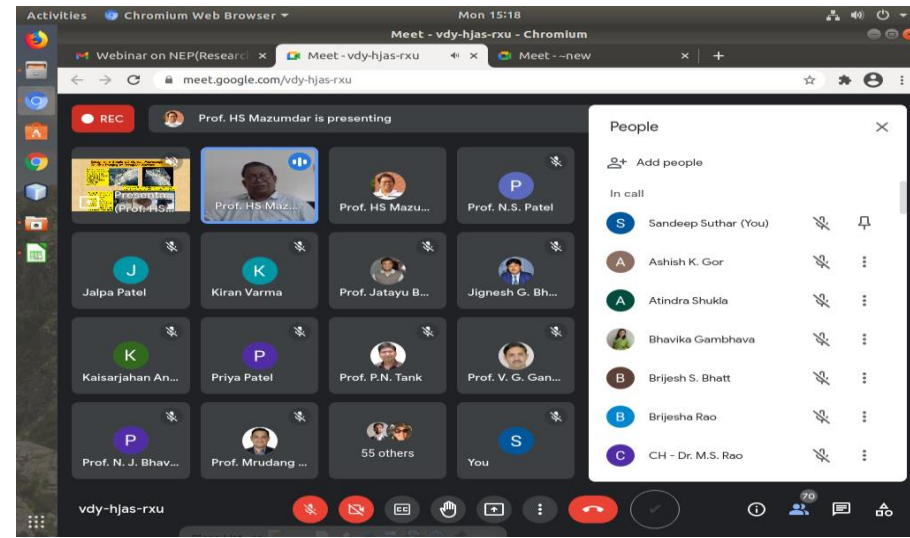
Indian Knowledge System, Languages, Arts and Culture organized on 05.08.21 :



Quality Education, Accreditation And Teacher organized on 06.08.21



Research Innovation And Ranking organized on 09.08.21



Use of Technology In Education organized on 10.08.21

National Educational Technology Forum (NETF)

Learning, Assessment, Planning, Administration.

Aim

To facilitate decision making on the induction, deployment, and use of technology, by providing the latest knowledge and research as well as the opportunity to consult and share best practices.

NETF functions

- a) provide independent evidence-based advice on technology-based interventions;
- b) build intellectual and institutional capacities in educational technology;
- c) envision strategic thrust areas in this domain; and
- d) articulate new directions for research and innovation.

Use of Technology in Education



Purvang Dalal

Digital India Campaign

To transform the entire nation into a digitally empowered society & knowledge economy.

Education will play a critical role in this transformation.

Technology will play an important role in the improvement of educational processes and outcomes;

Explosive pace of technological development
creativity of tech-savvy teachers and entrepreneurs

Relationship between Technology and Education at all levels is bidirectional.

Use of Technology in Education



Purvang Dalal

5.0 Extension Activities

Dharmsinh Desai University, believes in holistic development and community engagement. At DDU, we firmly believe that education should extend beyond the boundaries of the classroom, encompassing a wide range of extension activities that foster personal growth, social responsibility, and environmental consciousness. Through our diverse range of extension activities, we aim to create a positive impact on society and nurture well-rounded individuals

One of the key areas of focus for us is environmental protection. We actively engage in various activities that promote sustainability and conservation. Tree plantation drives are regularly organized on and off-campus, contributing to the greening of our surroundings. In addition, we conduct energy conservation campaigns to raise awareness about the importance of using energy efficiently. Clean-up campaigns and rallies serve as platforms to educate the community about waste management and the significance of a clean environment

We take pride in celebrating national and international days that hold immense historical and cultural significance. Our university commemorates occasions like Independence Day and Republic Day with great enthusiasm, fostering a sense of patriotism among our students. We also organize events to honor the legacy of national heroes such as Sardar Patel and participate in Azadika amrut Mahotsav. Furthermore, we observe days like National Youth Day, World Cancer Day, World Yoga Day, World No Tobacco Day, and Shaheed Divas, where students actively engage in activities that promote health awareness, physical well-being, and social causes.

Healthcare-related activities are given utmost importance at DDU. We organize dental checkup camps, ensuring the oral health of our community. Furthermore, we actively participate in social welfare initiatives by distributing fruits to the underprivileged and organizing mask distribution drives, especially during times of health crises. Our blood donation camps save lives and provide students with the opportunity to contribute to society directly. Additionally, we focus on addiction liberation activities, conducting awareness campaigns and providing support to individuals struggling with various forms of addiction

At Dharmsinh Desai University, we believe that extension activities are crucial for the overall development of our students. By participating in these activities, you will not only gain knowledge but also learn valuable life skills such as teamwork, leadership, and social responsibility. We encourage all our students to actively engage in these extension activities, as they play a vital role in shaping you into well-rounded individuals and responsible citizens

5.1 Environmental protection related activities

5.1.1. Tree plantation

NSS Unit of Faculty of Dental Science, DDU celebrated “World Environmental Day (5th June) by planting saplings at college campus. The motive of this event was to direct positive impact on environment by contributing to general environmental welfare.



Tree Plantation Done By NSS Volunteers at Faculty of Dental Science, DDU, Nadiad



A Program of Tree Plantation and Tree nurturing was organized in the college campus by NSS Volunteers of Dharmsinh Desai institute of commerce college, in which enthusiastically participated.

5.1.2. Clean up campaign

Dharmasinh Desai Institute of Commerce College NSS students on 28/10/2021 carried out a clean up campaign in the college and the college campus in which the students enthusiastically participated.



The “Swacchata Pakhwada” week was celebrated on 12/7/21 by Faculty of Dental Science, Dharmasinh Desai University with great happiness and enthusiasm with NSS members. We got this opportunity due to the keen vision of our respected dean Dr. Hiren Patel. During this event, Dr. Aakash Shah very well enlightened the importance of keeping our surroundings clean. The volunteers were divided into teams and they were allotted different areas of college

to clean, which included the clinical departments, corridors, gardens, lecture halls, auditorium and locker areas. Dr. Harita, Dr. Jinal and Dr. Farhin supervised this event. The volunteers carried out this campaign with great devotion and diligence.



5.1.3 Energy conservation activities

As part of celebration of “Azadi Ka Amrut Mahostav (AKAM)”, the Ministry of Power celebrated the “National Energy Conservation Week (NECW)” from 8th to 14th December 2021. On account of this week Faculty of Dental Science, DDU conducted ‘Poster Making Event’ under the guidance of Dr. Hiren Patel (Dean, FDS, DDU). The theme of the event was ‘Energy Conservation’. 35 students of Final Year and Internship participated enthusiastically and whole event was supervised by Dr. Harita Shah and Dr. Jinal Patel.



Spreading awareness about Energy Conservation by NSS Volunteers of DDU, Nadiad

5.1.4. Rallies Organized

Various rallies are organized by students of Dharmsinh Desai University to bring in awareness in the general public.



On 2/10/2021, a rally was organized by NSS students of Nadiad Dharmasinh Desai Institute of Commerce in the vicinity of the college. In which many students of the college participated.



Slogan related to addictions liberation at adopted Mohdal Village Dated on 02/10/2021.

A Cycle Rally event was held on 3rd June-22 on the occasion of World Cycle Day. Students from various branches of Faculty of Technology participated and joined the rally. Event was

started at 9am. The rally began from Faculty of Technology Campus. The route of the rally was from FOT campus to Mahagujarat Hospital Circle and then return to FOT campus. The rally was completed at 9:45am. The positive thoughts were presented in banners during the rally to create the awareness for reducing the pollution and health benefits to the people.

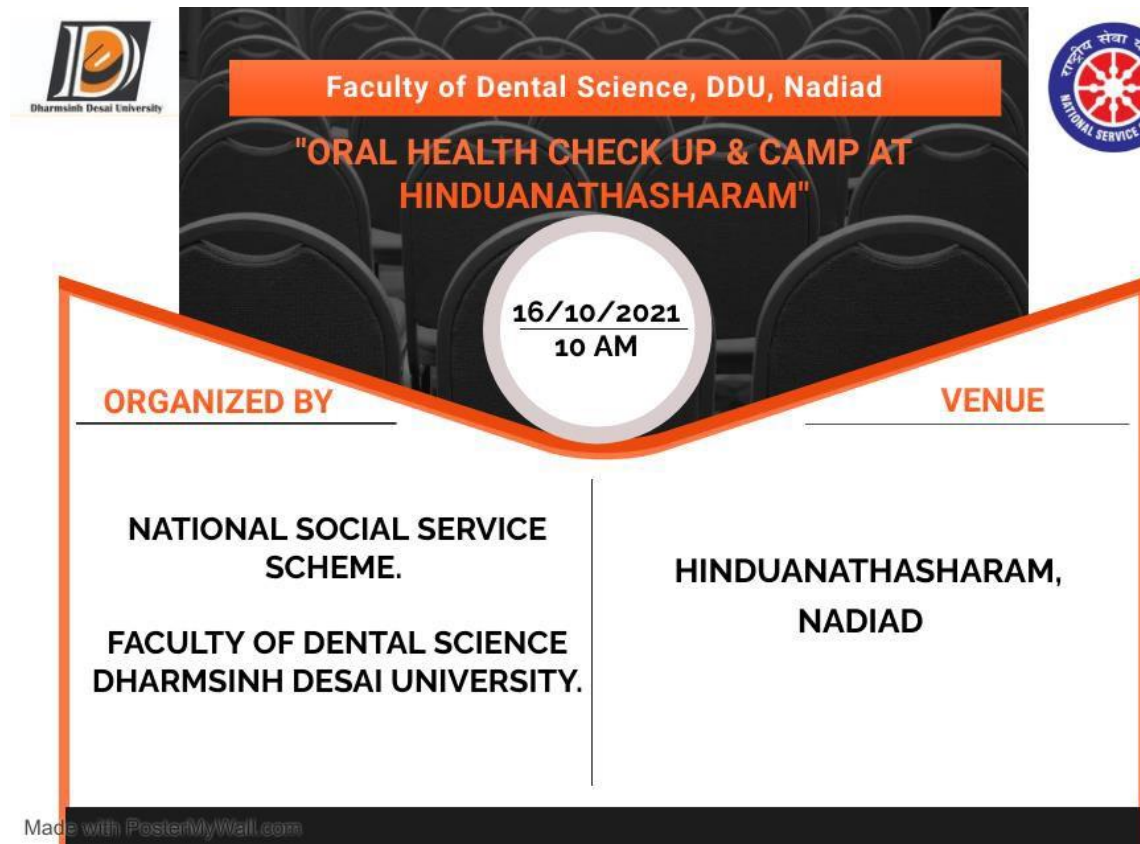


Event started from FOT Campus of DDU



5.2 Health care related activities

5.2.1. Oral Health Check-up camp



Oral health checkup camp was conducted at Hindu Anathasram, Nadiad on 16/10/21. Oral health awareness is one thing which needs to be cultivated amongst our youth and this initiative was fulfilled in this camp. Oral hygiene instructions and awareness regarding oral hygiene were given to children. 15 responsible students participated in the same and this event was supervised by Dr. Harita Shah and Dr. Jinal Patel. Number of beneficiaries was **45**.



Oral Checkup done by volunteers at Hindu Anathasharam

A Dental check-up camp was organised by Public Health Dentistry Department of Faculty of Dental Science on 18/02/2022 at Dudh Mandali, Chalali upon the invitation for the NSS activity by Dharmsinh Desai Institute of Commerce. Camp set-up was done at Village Panchayat and

was open to everyone. Local people of village underwent free dental check-up. Most of the people were having periodontitis. Overall Oral Hygiene of villagers was poor, so for further needful treatment, people were referred to Faculty of Dental Science, Dharmsinh Desai University where they provided free dental treatment to them. 39 people age between 6 to 103 years were benefited by this camp.



A Dental check-up camp was organised by Public Health Dentistry Department of Faculty of Dental Science on 19/02/2022 at Dudh Mandali, Manghroli village upon the invitation for the NSS activity by Dharmsinh Desai Institute of Commerce. Camp set-up was done at dudh mandali of village and was open to everyone. Local people of village underwent free dental check-up.

Most of the people were having periodontitis. Overall Oral Hygiene of villagers was poor, so for further needful treatment, people were referred to Faculty of Dental Science, Dharmsinh Desai University where they provided free dental treatment to them. 35 people age between 20 to 74 years were benefited by this camp.



A Dental check-up camp was organized by DDU on 19/02/2022 at Dudh Mandali, Manghroli village

5.2.2. FOOD and Nutrition

Event started with the introduction of volunteers and their background. Poster of NSS was displayed to help them to understand who we are which gave us the opportunity to spread awareness to class of 9th grade students (total beneficiaries 40 students) of mother care school. Followed by awareness on malnutrition and Anaemia. Students were made aware about Anaemia and malnutrition as a whole while clearing their myths on malnutrition. It was further discussed in detail about what nutrition needs to be taken for avoiding malnutrition, importance of vitamins and supplement and anaemia preventive measures. The interaction concluded with answering the questions of the students and by taking a quiz in which we received great response from students. NSS approaches social upliftment and spreading awareness on healthcare as a whole, this was once again in chatter.



Date of the event was 29th of September 2021. It was organized at mother care school, Opp. Shivam Petroleum, Nadiad-Utd.Road, Uttarsanda, Nadiad, Gujarat 387370 Event organisers: Faculty of Pharmacy, NSS, Dharamsinh Desai University, Nadiad. NSS volunteers involved in this event were :- Urja Khatri, Kedar Dave, Tanvi Nagrani Misha, Goswami. Time : 11:00 AM -12:15 PM



Lecture about awareness on nutrition and oral hygiene was conducted on 10/03/2022 at KumarShala , Uttarsanda which included a two way communication between school students for the same. There were 10 highly curious students who participated in this event. This event shared the importance of oral hygiene and routine oral health care in our day to day life and about the importance and awareness of nutrition in growing children. They were addressed about importance's nutrition in overall growth, advantages of taking breakfast, harmful effects of junk foods and soft drinks. This event was supervised by Dr. Harita Shah and Dr. Jinal Patel. In total number of Beneficiaries were **118**.

On 2/10/2021, a program was organized by NSS students to distribute fruits to poor and malnourished children in Maholel village. In which about 15 students enthusiastically participated. The program benefited about 50 families.



5.2.3. Distribution of Masks

Mask distribution program was conducted by the students of Nadiad Dharmasinh Desai Institute of Commerce College NSS. In which masks were distributed by students in Nadiad Mahagujarat

Hospital and Vaniyawad circle area, in which about 500 masks were distributed. About 25 NSS students participated in this Program.

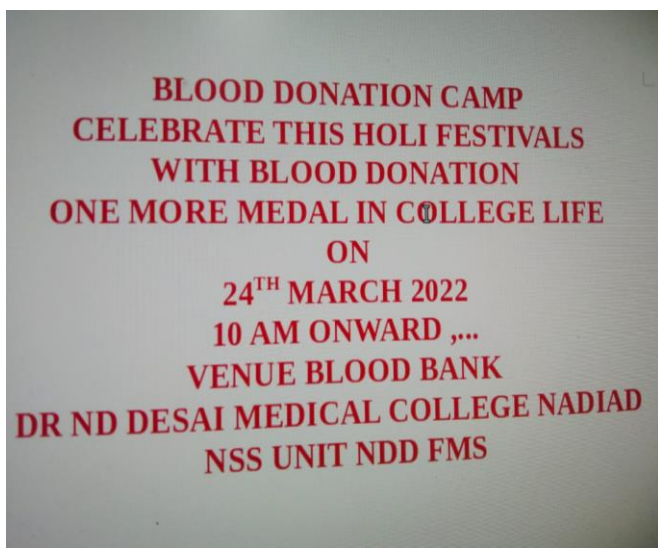


Faculty of Pharmacy, Dharmsinh Desai University had organized YOGA SEMINAR as a part of “Rashtriya Poshan Maah” program on 27/09/2021 in collaboration with NSS, DDU. In the yoga, the yoga which helps to prevent anaemia and keeps women healthy was shown on you tube and NSS volunteers showed them practically the asanas. Also, they gave awareness about anaemia and how Yoga can help in recovery. Total 31 girl students of B. Pharm with Faculty members Prof. Vipul Prajapati and Prof. Jenee Christian shown their presence in this event.



5.2.4 Blood Donation Camps

The NSS unit of Dr. N.D.Desai faculty of medicine in collaboration with pathology department celebrate this holi festival through organizing blood donation camp. The blood donation camp was held in the department of Pathology, Dr. N.D Desai hospital on 24th march 2022. The brochure of the camp was circulate among all the three years MBBS students. The event is started in morning with the candle lightening by Dean of medical collage DR.Arun Vyas. All the pathology department faculty were present during the camp. Introductory and welcome speech is delivered by HOD of the pathology department DR. Amar Shah and the all instruction were given to the voluntary donors. Forms were filled before doing the donation and all were gives tea and biscuits after the blood donation. Almost 50 units were collected after the camp.



Blood donation camp organised by Dr. N.D.Desai faculty of medicine on 24th march 2022.

The Faculty of Pharmacy had organized blood donation camp on 13th September 2021. Blood donation camp was started at 10:30 am and it was lasted up to 5:00 pm. Students from the various semester III, V and VII of the Faculty of Pharmacy, B.B.A and faculties from the Faculty of Pharmacy had actively participated in blood donation activity. The team of students and some faculties from the N. D. Desai medical college came for blood collection along with

the requirements at Faculty of Pharmacy, Dharmsinh Desai University. Twenty- two people had donated their blood on that day. The camp was successfully completed under the guidance of Dr. Amar Shah. After completion of blood donation camp, the donors were appreciated with certificate.



Blood Donation Camp was held on 23rd December-21 in collaboration with Dr.N.D.Desai Medical Hospital & Research Institute. The camp was held at center foyer, Faculty of Technology,Campus and started at 10am. An inaugural ceremony was done at the start of the event. Registrar Sir, Shri.R.K.Jain encouraged the students for the noble cause. Total 116 students donated their blood in this camp. Event was completed at 4.30pm.



Blood donation camp organized at central foyer of faculty of technology

Student of faculty of technology are one of the biggest donors of the Blood in the city of Nadiad.

In addition to these camps whenever there is an emergency we have a system of putting the request on the notice board of the institute. Rest assured the blood requirements were fulfilled.

The blood bank run by red cross also organizes blood donation camps at DDU.

5.2.5 De addiction:

Nadiad is located in tobacco growing area. This has lead to extensive use of tobacco by the population in general. Excessive use of tobacco is one of the major reasons for the oral cancer. DDU has taken steps to deal with this major health risk of people around. Dr H M Desai Oral cancer center was established as part of faculty of dental science. Awareness programs are organized in the nearby villages on regular basis.



Tobacco awareness rally organised by DDU students



Every year on May 31st, The World Health Organisations celebrate “World No- Tobacco Day”. This yearly celebration spreads awareness regarding harmful and deadly effects of tobacco use, the business practice of tobacco companies, and what people around the world can do to claim their right to health and healthy living and to protect future generations. Under the guidance of our respected Dean, Dr Hiren Patel, several activities were conducted to mark this event by Public Health Dentistry Department of Faculty of Dental Science, DDU. NSS volunteers also participated enthusiastically in this event. Several public activities were planned which includes volunteers performing skit - showing harmful effects of tobacco, NO-Tobacco pledge taken by students, patient counselling at Tobacco Cessation Centre, Public Awareness Campaign about same at public places like bus station and railway station and poster making event. Number of beneficiaries – 100



5.3 Celebration of national and internal national days of importance

Dharmsinh Desai University (DDU) is a renowned educational institution that takes pride in celebrating and commemorating important days of national and global significance. These occasions hold great importance as they not only reflect the university's commitment to fostering a sense of patriotism and social responsibility but also provide opportunities for students, faculty, and staff to come together and reflect on the values and ideals they represent.

DDU actively observes days such as Independence Day and Republic Day, honoring the sovereignty and democratic spirit of the nation. Additionally, the university pays homage to the visionary leader Sardar Vallabhbhai Patel on his anniversary, recognizing his contributions to the unity and integrity of India.

Moreover, DDU celebrates events like Azadika Amrut Mahotsav, National Youth Day, World Cancer Day, World Yoga Day, World No Tobacco Day, and Shaheed Divas, creating awareness and promoting engagement in various social, health, and cultural causes. These celebrations not only contribute to a vibrant campus atmosphere but also inspire individuals to embrace values of freedom, unity, health, and remembrance.

5.3.1 Independence Day celebrations at DDU on 15/08/2021

Dharmsinh Desai University proudly celebrated India's 75th Independence Day on August 15, 2021, with great enthusiasm and patriotic fervor. The occasion provided an opportunity for the university community to reflect on the significance of independence, pay tribute to the freedom fighters who sacrificed their lives for the nation, and renew the commitment to uphold the values of freedom, unity, and progress.

The Independence Day celebration commenced with a grand flag hoisting ceremony in the presence of the university's faculty, staff, and students. The national flag, a symbol of India's sovereignty and pride, was raised with reverence and honor. The gathering sang the national anthem, evoking a deep sense of patriotism and unity.

The chief guest of the function delivered an inspiring speech, reflecting on the importance of Independence Day and its relevance in the present context. He emphasized the sacrifices made by the freedom fighters and the responsibility of the younger generation to safeguard and contribute to the progress of the nation.

The Independence Day celebrations at Dharmsinh Desai University on August 15, 2021, were a resounding success, fostering a sense of patriotism, unity, and social responsibility among the university community. The event served as a reminder of the

sacrifices made by the freedom fighters and their vision of a free and prosperous India. As a proud institution, Dharmsinh Desai University remains committed to nurturing responsible citizens who contribute to the nation's growth and uphold the principles that our freedom fighters fought for.



Flag hoisting ceremony at DDU on 15/08/2021



Participants during the Flag hoisting ceremony at DDU on 15/08/2021

5.3.2 Republic Day celebrations at DDU on 26/01/2022

Dharmsinh Desai University celebrated the 73rd Republic Day of India with great fervor and patriotic zeal on January 26, 2022. The occasion provided an opportunity for the university community to reflect upon the importance of the Indian Constitution, honor the spirit of democracy, and renew the commitment to uphold the values enshrined in the Republic.

The Republic Day celebration commenced with a dignified flag hoisting ceremony, graced by the presence of the university's faculty, staff, and students. The national flag was unfurled, symbolizing the nation's unity, sovereignty, and integrity. The gathering stood in unison to sing the national anthem, filling the air with a sense of pride and patriotism.

The chief guest of the function delivered a thought provoking speech. He has emphasizing the significance of Republic Day and the values embedded in the Indian Constitution. The speeches highlighted the importance of democracy, fundamental rights, and the collective responsibility of citizens towards nation-building. The audience was inspired to actively participate in the democratic process and work towards the progress and development of the country.



Dignitaries of the Flag hoisting ceremony at DDU on 26/01/2022 during Republic Day celebrations at DDU

The Republic Day celebrations at Dharmsinh Desai University on January 26, 2022, were marked with immense patriotic zeal, highlighting the importance of the Indian Constitution and the values it upholds. The event instilled a sense of pride, unity, and responsibility among the university community, encouraging active participation in the democratic process and the nation's development. Dharmsinh Desai University remains committed to nurturing responsible citizens who uphold the principles of the Indian Republic and actively contribute to the progress of the country.



Participants of the Flag hoisting ceremony at DDU on 26/01/2022 during Republic Day celebrations at DDU

5.3.3 Sardar Patel Birth anniversary celebration

Dharmsinh Desai University is proud to commemorate the birth anniversary of Sardar Vallabhbhai Patel, one of India's most influential leaders and the architect of national integration. This celebration pays homage to Patel's invaluable contributions to the nation's unity and upholds his ideals of inclusivity and patriotism. With the recognition that Sardar Vallabhbhai Patel was born in Nadiad, the university seeks to honor his legacy through a series of events and activities that highlight his remarkable life and achievements.

Born on October 31, 1875, in the historic town of Nadiad, Sardar Vallabhbhai Patel emerged as a key figure in India's freedom struggle and post-independence nation-building. Fondly known as the "Iron Man of India," Patel played an instrumental role in unifying the country after the partition, ensuring the integration of over 560 princely states into the newly independent India. His unwavering determination, leadership, and commitment to the nation's welfare continue to inspire generations.

Celebrations were organised to achieve objectives of 1) to pay homage to Sardar



Vallabhbhai Patel's indomitable spirit and his contribution to India's unity and integrity. 2) Through various activities and initiatives, the celebration seeks to foster a sense of unity and patriotism among the students, faculty, and staff of the university 3) The event aims to create awareness about Patel's life, ideals, and accomplishments, enlightening participants about his role in shaping modern India and 4) By highlighting Patel's leadership qualities, the celebration strives to inspire and nurture leadership skills among the university's students, encouraging them to become catalysts of change in society. Tribute Ceremony: A solemn tribute ceremony will be held, where the university community will gather to pay their respects to Sardar Vallabhbhai Patel, reflecting on his life and contributions.

On 31/10/2021, the occasion of Shri Sardar Vallabhbhai's birth anniversary, a drawing competition was organized by the students of NSS in which about seven students participated in the drawing competition. Apart from that, the students visited the birth place of Sardar Vallabhbhai Patel at Nadiad on the occasion of his birthday. During which they got acquainted with his life and his contribution to the freedom movement.



5.3.4 Azadika amrut mahostav

In the academic year 2021-22, the university organized an elaborate celebration called "Azadika Amrut Mahostav" to commemorate India's rich heritage, culture, and the spirit of freedom. This report highlights the various events and activities that took place during the celebration.



The Azadika Amrut Mahostav at Dharmsinh Desai University spanned several days, filled with a series of events and programs that reflected the vibrancy and diversity of Indian culture. The celebration aimed to inspire patriotism and instill a sense of pride among the students and staff.

As part of the celebration of Aazadi Ka Amrut Mahotsav at Dharmasinh Desai Institute of Commerce College, under the initiative of Saptadhara Gyanadhara, an essay competition was organized on "aazadi na Amrut Perve Vishav falak par bharat". Done on 16/12/2021. 36 students of the college enthusiastically participated in this competition and write essay in the college in due time.

5.3.5 National youth day celebrations at DDU

National Youth Day was celebrated at Dharmsinh Desai University: A special Cleanliness Drive on this occasion was organized On the occasion of the 150th Birth Anniversary of Shri Swami Vivekananda Ji and National Youth Day on January 12th, a special cleanliness drive was organized by the students of the Public Health Dentistry Department, Faculty of Dental Science, DDU. The event aimed to pay tribute to Swami Vivekananda's teachings and promote cleanliness and hygiene. This report provides an elaborate account of the National Youth Day celebrations and the cleanliness drive conducted at DDU.

Under the guidance of Dr. Hiren Patel, the Dean of the Faculty of Dental Science, DDU, approximately 35 students, including both 4th-year students and interns, participated in the cleanliness drive. The event strictly adhered to the COVID-19 protocols to ensure the safety and well-being of all participants.

The cleanliness drive was organized under the supervision of Dr. Harita Shah and Dr. Jinal Patel, who played a pivotal role in planning and executing the event. Their expertise and guidance ensured the smooth and effective implementation of the cleanliness drive.

The cleanliness drive commenced with a brief introduction highlighting the significance of Swami Vivekananda's teachings and his emphasis on cleanliness and hygiene. The participants were motivated to actively contribute to the Swachh Bharat Abhiyan (Clean India Mission) and keep their surroundings clean. The students were divided into teams, and designated areas within the university campus were assigned to each team for cleaning.

Armed with gloves, masks, and cleaning equipment, the students enthusiastically swept, picked up litter, and disposed of waste in designated bins.

Furthermore, the participants actively engaged in creating awareness among the students and faculty about the importance of cleanliness and maintaining a hygienic environment. They distributed pamphlets and interacted with the university community, emphasizing the role of cleanliness in promoting good health and well-being.



Students of DDU participating in the cleanliness drive as part of the National youth day celebration on 12th of January 2022

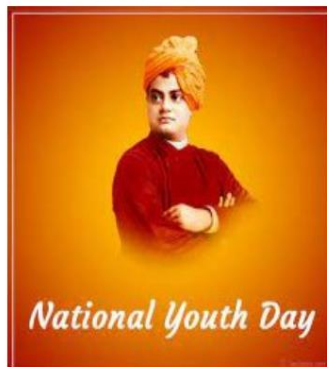


ESSAY WRITING ON

"ROLE OF YOUTH IN DEVELOPMENT OF NATION"

ON THE OCCASION OF

12TH January - BIRTH ANNIVERSARY OF SHRI SWAMI VIVEKANANDA



Important Note:

1. The essay should be written within 1000 words limit in appropriate manner.
2. The essay is to be submitted in pdf form & to be sent with Google form link provided below.
3. The essay is to be submitted on or before 9pm, 12th January 2022.

Organized By:-

**National Service Scheme, Faculty of Technology,
Dharm Singh Desai University, Nadiad**

Link for submission:

<https://forms.gle/HiDuc9SwmY4gHdca6>

5.3.6 World Cancer Day

Flashmob for Oral Cancer Awareness.

On the occasion of World Cancer Day, observed on February 4th, 2022, a special event was organized at DDU to raise awareness about oral cancer. The event featured a vibrant flashmob arranged by NSS volunteers from the Faculty of Dental Science. This report provided an elaborate account of the World Cancer Day celebration and the impactful flashmob that took place at DDU.

The flashmob, organized by the NSS volunteers, aimed to spread awareness about oral cancer among the patients. The event witnessed enthusiastic participation from the interns of the Public Health Dentistry department, who actively contributed to the public campaign. Under the guidance of Dr. Harita Shah and Dr. Jinal Patel, the flashmob was executed with precision and effectiveness.

The flashmob commenced with an engaging introduction about World Cancer Day and its significance in raising awareness and supporting cancer patients. The vibrant performance captivated the audience, which primarily consisted of around 100 patients. The NSS volunteers, adorned in colorful attire, showcased their talent through a well-coordinated dance routine. The energetic and expressive performance conveyed the importance of early detection, prevention, and treatment of oral cancer. The participants carried placards and distributed pamphlets containing essential information about oral cancer, its risk factors, and the importance of regular dental check-ups.





Public Campaign carried out by NSS Volunteers on World Cancer Day

The flashmob not only entertained the audience but also succeeded in creating a lasting impact. The patients and attendees were moved by the performance and were enlightened about the importance of oral health and cancer prevention.

The World Cancer Day celebration at Dharmsinh Desai University, marked by a captivating flashmob, proved to be an effective initiative to raise awareness about oral cancer. The enthusiastic participation of NSS volunteers from the Faculty of Dental Science, under the guidance of Dr. Harita Shah and Dr. Jinal Patel, showcased their commitment to spreading awareness and supporting cancer patients. The flashmob successfully reached out to around 100 patients, benefiting them with vital information about oral cancer and the importance of oral health. The event served as a powerful reminder of the significance of early detection, prevention, and treatment in combating oral cancer. DDU's efforts in organizing such events demonstrate its commitment to creating a socially responsible and health-conscious community among its students and staff.

5.3.7 World Yoga day celebrations at DDU.

Dharmsinh Desai University (DDU) celebrated World Yoga Day with great enthusiasm, recognizing the importance of yoga in promoting physical and mental well-being. DDU is pioneer in introducing Yoga in its curriculum more than two decades ago. This report highlights the significance of health and World Yoga Day, providing a brief history of the event and detailing the celebrations organized at DDU.

Health is a fundamental aspect of our lives, encompassing physical, mental, and emotional well-being. It plays a crucial role in enabling individuals to lead fulfilling and productive lives. World Yoga Day, observed on June 21st each year, serves as a global platform to raise awareness about the benefits of yoga and its positive impact on health.

Yoga is an ancient practice that originated in India and encompasses physical postures (asanas), breathing exercises (pranayama), and meditation. It promotes strength, flexibility, balance, and mental clarity. The practice of yoga has gained immense popularity worldwide due to its ability to reduce stress, improve concentration, enhance immune function, and foster overall well-being.

DDU organized vibrant celebrations on World Yoga Day to encourage students, faculty, and staff to embrace yoga and prioritize their health. The event aimed to educate and inspire individuals to incorporate yoga into their daily lives.

The celebrations commenced with a presentation on the history, philosophy, and benefits of yoga. This session provided participants with valuable insights into the ancient practice and its relevance in the modern world.

Following the presentation, yoga sessions were conducted by experienced instructors who guided the participants through various asanas and breathing techniques. The sessions were designed to cater to different levels of expertise, ensuring inclusivity and participation from individuals with varied yoga experience.

The celebrations also included interactive workshops on yoga and meditation, where participants had the opportunity to deepen their understanding and practice. These workshops focused on specific aspects of yoga, such as mindfulness, stress management, and holistic well-being.

Furthermore, DDU organized panel discussions featuring experts in the field of yoga and health, who shared their knowledge and experiences. These discussions offered valuable insights into incorporating yoga into daily routines, addressing common health concerns, and promoting holistic wellness.

Meditation

Nadiad, GJ, India
Dharamsinh Desai University, Nadiad
Lat 22.679381, Long 72.881745
06/21/2022 10:08 AM

Meditation Practice by NSS Volunteers at Faculty of Dental Science, DDU, Nadiad.

5.28



NSS Volunteers practicing different Yoga asana at Faculty of Dental Science, DDU, Nadiad





Yoga day celebration at faculty of commerce on 21 June 2022

Yoga is derived from the Sanskrit word "Yuja," which means "to unite," and refers to the integration of body and mind. It is an ancient type of mental, physical, and spiritual exercise that aids in mental and physical fitness. Yoga is an ancient Indian discipline that stretches back to pre-vedic times. To celebrate world yoga day faculty of technology at DDU organised some events.



The yoga Session organised at Narayan Bhavan



Demonstration of various Yogasan by the experts and followed by participants

On the international yoga day, faculty of medicine organized yoga session for faculty as well as for students. The session started early in the morning around 8.30 am and proceed further with the welcoming speech, orientation on health and yoga and then it would lead to practical session by our guest Dr.Yogita Parikh, Physiotherapist and yoga trainer from Sneh Physiotherapy clinic, kathlal, kheda. She taught different Asanas and its importance on different systems of the body and gave hand on training of that. Session was ended around 11 o'clock and token of appreciation was given to Yogitanmam from women cell of NDDFMSR.

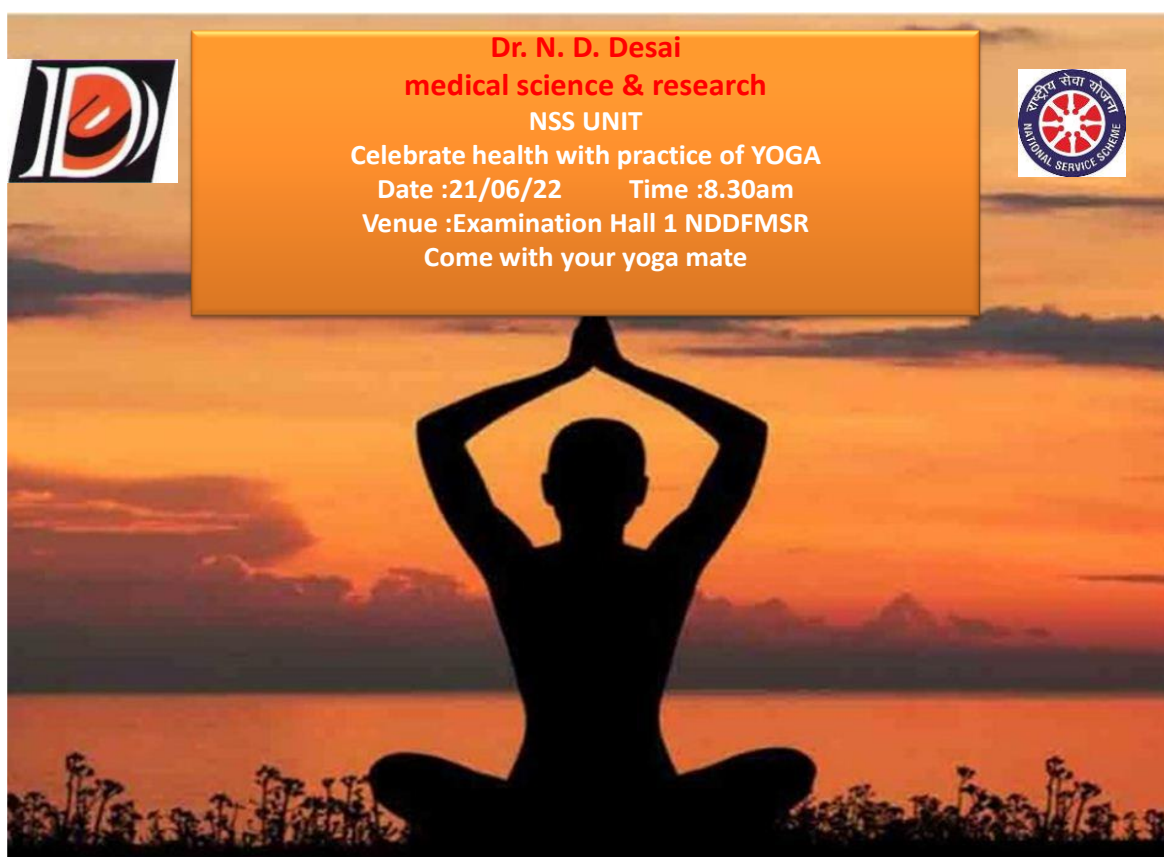


Group photo of the participants with the Yoga trainer





Practical session for different Asanas



BroucherPrepared on the occastion of word Yoga day by NDDMSR students

5.3.8 World No Tobacco Day

World No Tobacco Day is observed on May 31st each year at Dharmsinh Desai University, serving as a global initiative to raise awareness about the harmful effects of tobacco use and its link to various health issues, including cancer.

Tobacco use, in any form, poses severe risks to human health and is a leading cause of preventable diseases, including cancer. The harmful chemicals present in tobacco products have been identified as carcinogens, increasing the likelihood of developing various types of cancer, including lung, oral, throat, esophageal, and pancreatic cancer.

1. **Lung Cancer:** Tobacco smoking is the primary cause of lung cancer, accounting for the majority of cases worldwide. The harmful substances in tobacco smoke, such as nicotine and tar, damage lung tissues, leading to the uncontrolled growth of cancer cells.
2. **Oral Cancer:** Tobacco use, particularly in the form of chewing tobacco or smoking cigarettes, significantly increases the risk of oral cancer. The chemicals in tobacco products irritate the oral cavity, damaging the cells and increasing the chances of cancerous growth in the mouth, tongue, and throat.
3. **Throat and Esophageal Cancer:** Tobacco smoke, along with its toxic components, directly contacts the throat and esophagus when inhaled. This exposure leads to cellular changes, inflammation, and DNA damage, contributing to the development of cancer in these areas.
4. **Pancreatic Cancer:** Tobacco use has been linked to an increased risk of pancreatic cancer. The toxins present in tobacco can enter the bloodstream and affect the pancreas, potentially leading to the formation of cancerous cells in this vital organ.

On World No Tobacco Day, various initiatives are undertaken globally to raise awareness about the consequences of tobacco use and encourage individuals to quit smoking. These initiatives include public awareness campaigns, educational programs, cessation support services, and policy advocacy to reduce tobacco consumption.

Dharmsinh Desai University has organized events and activities to highlight the dangers of tobacco use and its association with cancer. These activities include awareness campaigns, poster presentations, seminars by healthcare professionals, and interactive sessions to help smokers understand the benefits of quitting and seek support.

Every year on May 31st, The World Health Organisations celebrate “World No-Tobacco Day”. This yearly celebration spreads awareness regarding harmful and deadly effects of tobacco use, the business practice of tobacco companies, and what people around the world can do to claim their right to health and healthy living and to protect future generations. Under the guidance of our respected Dean, Dr Hiren Patel, several activities were conducted to mark this event by Public Health Dentistry Department of Faculty of Dental Science, DDU. NSS volunteers also participated enthusiastically in this event. Several public activities were planned which includes volunteers performing skit - showing harmful effects of tobacco, NO-Tobacco pledge taken by students, patient counselling at Tobacco Cessation Centre, Public Awareness Campaign about same at public places like bus station and railway station and poster making event. Around 100 people directly benefited by this program.



Volunteers performing the skit on the occasion and the pledge taken by the participants



World No Tobacco Day serves as a reminder of the significant health risks associated with tobacco use, particularly its link to cancer. The consequences of tobacco use leading to cancer are undeniable, affecting millions of lives worldwide. By raising awareness about these risks and promoting smoking cessation, Dharmsinh Desai University can contribute to a healthier and tobacco-free community. It is crucial to empower individuals with knowledge, resources, and support to make informed choices and prioritize their well-being. Together, we can work towards reducing the prevalence of tobacco use and minimizing the burden of cancer-related morbidity and mortality.

5.3.9 Shaheed Divas

Shaheed Divas, also known as Martyrs' Day, is observed on different dates across various countries to pay tribute to individuals who sacrificed their lives for their country's independence, freedom, or noble causes. This report provides a brief overview of Shaheed Divas, highlighting its significance and the commemoration of martyrs.

Shaheed Divas holds immense significance in honoring the sacrifices made by brave individuals who laid down their lives for a greater cause. It serves as a reminder of their courage, selflessness, and unwavering dedication to their nation or ideals. It is a day of remembrance, paying tribute to the martyrs and expressing gratitude for their sacrifices.

Every year on March 23, India marks Martyrs' Day or Shaheed Diwas to honour the brave soldiers who gave their lives to the nation. This day serves as a reminder to be appreciative of the efforts put forth by these troops to safeguard the nation and its citizens. Shaheed diwas or Martyrs' Day has a historical significance as it commemorates the day in 1931 when Bhagat Singh, Shivaram Rajguru, and Sukhdev Thapar were hanged to death during the struggle for India's independence. In India, Mahatma Gandhi, the Father of the Nation, also remembered on this day.

The significance of Shaheed Divas extends beyond a single day, as the sacrifices of the martyrs continue to inspire generations to uphold the values of freedom, justice, and equality. Their stories serve as a reminder of the importance of preserving and cherishing the hard-fought liberties that we enjoy today.

Celebration of “Shaheed Divas” was done by NSS Volunteers of Public Health Dentistry Department, Faculty of Dental Science on 23RD of March 2022. Events like group discussion and debate on contribution of Shaheed Bhagat Singh and other freedom fighters was done by enthusiastic students. Whole event was planned to remember contribution done by freedom fighters and to teach youth about of our rich history. Around 50 students participated in this and it was done under supervision of Dr.Heena Pandya, Dr.Harita Shah And Dr.Jinal Patel.

Shaheed Divas holds a significant place in honoring the martyrs who sacrificed their lives for the greater good. The day serves as a solemn reminder of their courage and selflessness, inspiring us to cherish and protect the values they fought for. Through commemorative ceremonies and tributes, we express gratitude and pay homage to these brave souls who laid down their lives for the betterment of their nations and causes. Shaheed Divas

encourages reflection on the sacrifices made by martyrs and serves as a constant reminder of the continued importance of upholding the principles for which they gave their lives.



Celebration of Shaheed Divas at DDU, A Group Discussion about work of Shaheed Bhagat Singh



Debate on the work of Shaheed Bhagat Singh on the occasion of Shaheed divas

5.4 Celebration of Indian culture

5.4.1 Guru Purnima celebrations at DDU

Guru Purnima, a revered festival, was celebrated with great enthusiasm at Dharmsinh Desai University (DDU). The event aimed to pay homage to teachers and express gratitude for their invaluable contributions to society. Faculty, students, and staff gathered to participate in various activities, including spiritual discourses, cultural performances, and the offering of floral tributes to honor the guiding light of teachers. The celebration emphasized the significance of teachers in shaping the future generation and promoting knowledge, wisdom, and enlightenment. Guru Purnima at DDU fostered a sense of reverence and appreciation for the profound impact that teachers have on individuals and the society as a whole.

The faculty of medicine organized the celebration of Gurupurnima under the theme of Azadi Ka Amrut Mahotsava on 13/6/22. The day was started by greeting all the faculty of medicine with flower and a note of thanks, in which there was a beautiful quote written for each and every faculty. Then 1st year students of BDS prepared wall of gratitude where all the students can stick the notes in which students can write a special message for their favourite faculty who has same characteristics like what our freedom fighter have. It became very interesting when faculty came to know about their favouritism as well as their hidden quality which only students can identify in a teacher. At end of day Dean of the medical faculty and Additional dean gave a speech on the importance of teachers in life and thanked all the students for their participation.



Greeting the teachers by students and wall of gratitude prepared by students.

5.4.2 Saraswati Vandana

Saraswati Vandana, a musical tribute to the goddess of knowledge, arts, and learning, Saraswati, was organized at Dharmsinh Desai University (DDU) with great fervor. The event, held in reverence of the deity, showcased the rich cultural heritage and artistic talents of the university's students and staff.

The Saraswati Vandana began with a traditional invocation, invoking the blessings of Saraswati, followed by soul-stirring renditions of devotional songs and classical music performances. Goddess Saraswati Vandana programme. Senior professor K.A.Patel delivered lecture on importance of vasant panchmi in the life of mankind and in the nature.

The event not only celebrated the divine presence of Saraswati but also highlighted the importance of knowledge, creativity, and artistic pursuits in shaping individuals and society. It served as a platform for students to showcase their talents and develop a deeper connection with their cultural roots.

The Saraswati Vandana at DDU created an atmosphere of spiritual enlightenment and artistic expression, fostering a sense of appreciation for the pursuit of knowledge and the arts. It reinforced the university's commitment to nurturing holistic development by promoting the values and significance of cultural traditions.



5.4.3. International Women's Day and Women security

International Women's Day, celebrated on March 8th each year, holds immense importance in highlighting the achievements, challenges, and contributions of women worldwide. It serves as a platform to advocate for gender equality and women's empowerment in all spheres of life.

The day emphasizes the significance of women's rights, equal opportunities, and the need to address issues such as gender-based violence and discrimination. It aims to create awareness and inspire action towards building a more inclusive and equitable society.

One crucial aspect emphasized on Women's Day is women's security. Ensuring the safety and well-being of women is a fundamental right that needs to be upheld. It requires collective efforts from individuals, communities, and institutions to create a safe environment free from harassment, violence, and fear.

By addressing women's security concerns, we can enable women to freely pursue their aspirations, contribute to society, and achieve their full potential. It involves implementing effective laws, promoting awareness, providing support systems, and fostering a culture that respects and values women's rights.

International Women's Day serves as a reminder that women's empowerment and security are essential for a progressive and inclusive society. It calls for sustained efforts to break down barriers, challenge gender stereotypes, and create a world where women can thrive with dignity, respect, and equal opportunities.

The Women's Security Program was organized by Nadiad Suraksha Setu Sanstha under Fit India Moment on the occasion of Amrut Mahotsav of Independence. The aim was to inculcate female empowerment and self-defense in the girl students. 55 students of the University participated enthusiastically





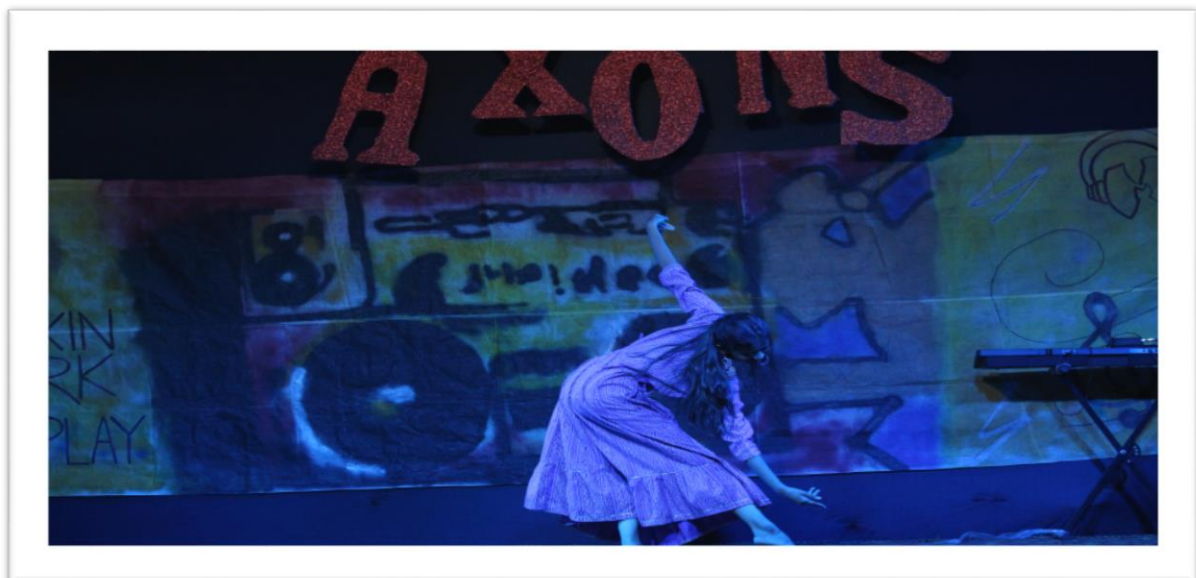
6.0 Cultural Programs

The cultural event organized during **14/03/2022 to 16/03/2022** by Dharmsinh Desai University, Nadiad, showcased a vibrant and diverse range of talent, bringing together students from various backgrounds to celebrate the richness of our university's cultural fabric AXON-2022. The event took place on 14 -16 March, 2022 at Dharmsinh Desai University Campus, featuring mesmerizing performances such as dance solo and group performances, drama presentations, singing competitions and large number of off-stsge events. The Programme provides an opportunity for the talented students to exhibit/demonstrate their innovative skills. IMS, Vadodara and other local agencies supported organizing this event by providing financial assistance up to Rs. 70,000. This report provides a comprehensive overview of the event, highlighting the various activities and performances that captivated the audience.



Dance Performances: The dance performances were a highlight of the cultural event, captivating the audience with their grace, energy, and creativity. The event featured total 10 performances both solo and group performances, showcasing a variety of dance styles and themes. The solo performances were a testament to the individual talent of our students, with each performer expressing their unique style and emotions through dance. The group

performances, on the other hand, demonstrated the power of collaboration and synchronization, leaving the audience enthralled.



the choreography displayed during the dance performances was exceptional, incorporating elements of contemporary, classical, and cultural dances. The performers exhibited impeccable technique, precise movements, and an incredible sense of rhythm, resulting in a visual treat for the audience. The coordination between dancers and the seamless transitions between different dance routines added to the overall impact of the performances. The performances were judge by Mrs. Rinku Chauhan who is experts from the outside. And the winner was awarded by exciting prizes.

Drama Presentations: The drama presentations during the cultural event provided a platform for students to showcase their acting skills and storytelling abilities. The performances ranged from thought-provoking and socially relevant pieces to light-hearted and comedic sketches. The scripts were carefully crafted, addressing a wide range of themes and issues, reflecting the creativity and talent of our student playwrights.



The actors displayed commendable acting prowess, portraying their characters with conviction and bringing their stories to life. The use of effective stage props, lighting, and sound design enhanced the overall theatrical experience. The drama presentations succeeded in captivating the audience, evoking laughter, tears, and introspection, as the performers transported them into the world of their narratives.

Singing Performances: The singing competitions at the cultural event celebrated the melodious voices and musical talents of our students. Participants showcased their vocal abilities across various genres, including classical, bollywood, and folk in total 10 performances. The performances were judged based on vocal technique, stage presence, and interpretation of the songs by experts from the outside and the winner was awarded by exciting prizes.



The singers exhibited exceptional vocal range, control, and emotive delivery, captivating the audience with their soulful renditions. The competition fostered healthy competition among the participants, encouraging them to push their boundaries and explore different musical styles. The audience was treated to a diverse range of musical expressions, creating an immersive and enchanting atmosphere.

AXONS '22

RESONANCE

- MONDAY 14/03
Quizarria
- MONDAY 14/03
Cod-e-Quest
- MONDAY 14/03
Pin in The Bin
- TUESDAY 15/03
Electropeneurship
- WEDNESDAY 15/03
Project Contest

DIMENSIONS

- MONDAY 14/03
Mesa First Round
- TUESDAY 15/03
Silhouette Making
- TUESDAY 16/03
Blind Volley
- WEDNESDAY 16/03
IPL Auction

THEME OF THE DAY

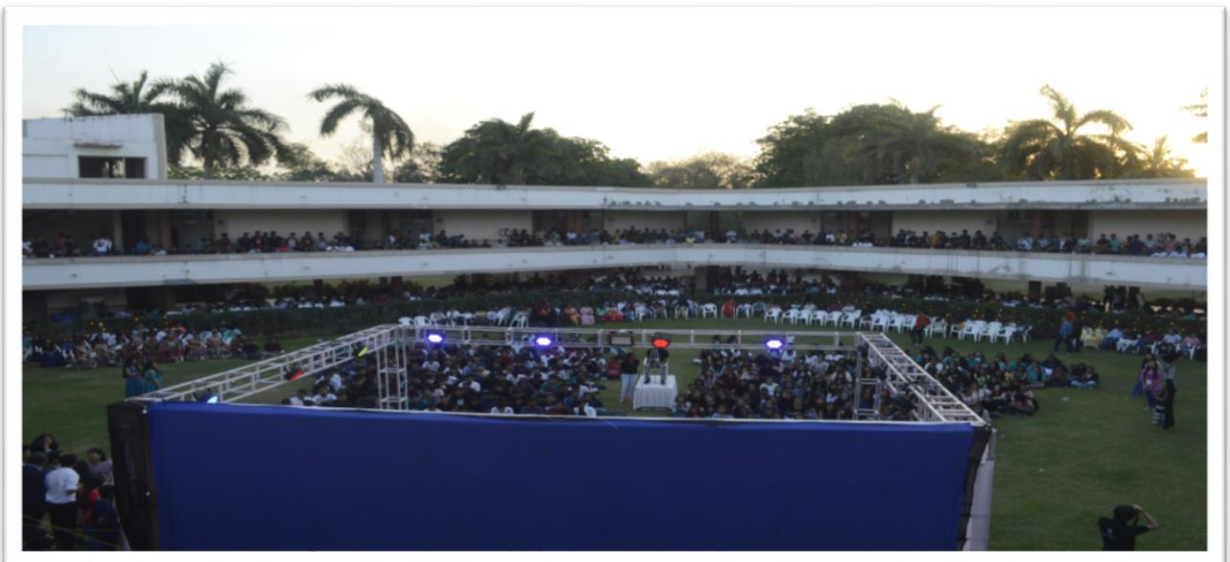
DAY 1: 14 / 03 (MONDAY)
EXECUTIVE DAY

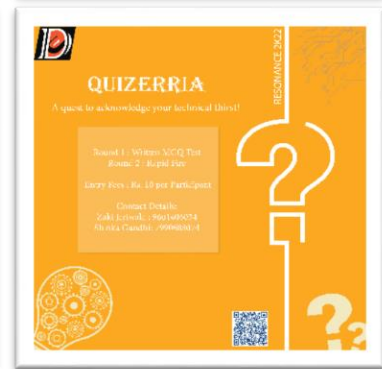
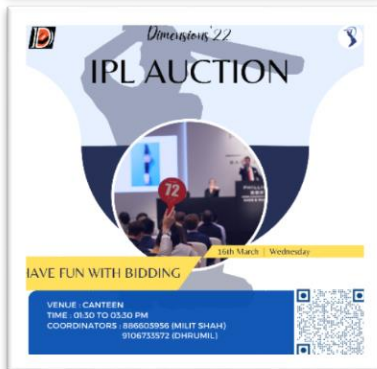
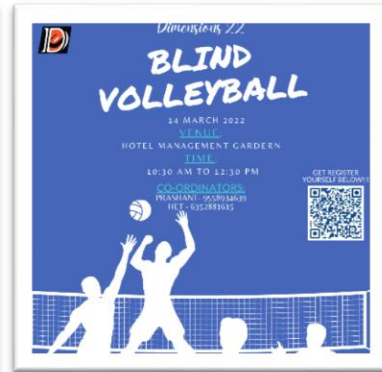
DAY 2: 15 / 03 (TUESDAY)
TRADITIONAL DAY

DAY 3: 16 / 03 (WEDNESDAY)
GROUP DAY

+22-456-7890
@realitygreattita







SilhouetteMaking

A silhouette event was carried out at drawing hall. Around 35-40 students have participated. It is the image of a person, animal, object or scene represented as a solid shape of a single colour, usually black, with its edges matching the outline of the subject. The interior of a silhouette is featureless, and the silhouette is usually presented on a light background, usually white, or none at all. Silhouette images were created in any visual artistic medium, but were first used to describe pieces of cut paper, which were then stuck to a backing in a contrasting colour, and often framed. The event was judged by experts and top three students were given prize.



Mock Recruitment

A Mock Recruitment, also known as a practice interview, is a simulation of an actual job interview was planned and carried out by students. It provides job seekers with an opportunity to practice for an interview and receive feedback on their interviewing skills. The mock interviews are conducted as a practice job interview held with a professional career counsellor. In the event two rounds were kept. Then experts took personal interview of finalists. The experts came from a Job Consultant from Vidhyanagar. Such events helps students to learn how to answer difficult questions, develop interview strategies, improve your communication skills, and reduce your stress before an actual job interview.

Blind Volleyball

Sports event was planned and kept by sports coordinators. Blind volleyball is a regular game of volleyball except teams can't see each other or the other side because there are bed sheets covering the net. Parachutes also work well to cover. Around 14 teams participated in the event.



Fun Events

Various fun activities were kept by cultural committee students like Craft workshops, Scavenger hunts, Drum circle, Role playing, Short movie making, Obstacle race, Musical Chair. The events were conducted at various places of the campus for two days. Many students as well as faculties participated and enjoyed the events.





Treasure Hunt

Treasure hunt event in which the idea of hunting for hidden treasures has always been exciting and adventurous for students. In treasure hunt, participants worked in small teams to find the treasure with the help of given clues. The team who decodes the clue and finds the treasure first will win the game. There were 27 teams participated in the event. The students enjoyed the events in various stages as the it was carried out in 3 rounds completed in three days.

Mobile Gaming

For mobile games lovers the students had also planned few mobile gaming events. The event was carried out with single player and multi player games category. Participants enjoyed the games and winners were given prize.

Skit

A Fun skit was played during cultural night by team of EC and Mechanical students. It was of 15 minutes. The team presented the skit very nicely. The students and faculties enjoyed the skit.





Jamming

For the musically inclined and music fans, a battle of the bands is often a hit. So jamming session was kept by student musicians to show off their best guitar licks and drum solos at center foyer where audience sat and watched it. The students gave a musical theme, such as hard rock hair bands or harmonizing boy bands, or open it up to all genres of music



Overall, the cultural event AXON-2022 organized by D. D. University was a resounding success, showcasing the incredible talent and creativity of our students. The dance

performances, drama presentations, and singing competitions were a testament to the university's commitment to fostering artistic expression and cultural diversity.

The event provided a platform for students to shine, allowing them to explore and showcase their passions beyond academics. It fostered a sense of community and camaraderie, as students, faculty, and staff came together to support and appreciate the performances. The cultural event served as a reminder of the importance of the arts in enriching our lives and celebrating our shared heritage. It provided a space for students to express themselves, share their stories, and inspire others through their performances. The event left a lasting impact on all who attended, reinforcing the university's commitment to nurturing talent and promoting cultural exchange.

In conclusion, the cultural event was a grand success, providing a platform for students to showcase their skills and fostering a sense of unity and appreciation for the arts within the university community. The event exemplified the richness and diversity.





Prof. Sohil Dabhi, Prof. Brijesh Waghela and Prof. Dipak Rabari were the faculty coordinators. They have worked under the guidance of Dr Purvang Dalal who was the convener of the event.

7.0 SPORTS

“From the past 1 and a half year our University was running in online mode as the entire nation was suffering from a medical emergency so called COVID-19 pandemic. With the re-opening of University, the Sports Club was activated with a view of coordinating and organizing sports week 2022. With this gone are the days when the life of a student used to be stress free and the only worry involved was to perform better in exams which would judge the learning parameters of the student. More importance was given to the exam grades and very less to skill development or extra-curricular activities. Sports plays an important role in educating students as it teaches them to become strong from inside and also develop a fit and sound body. Combining sports in education can help students to develop a self-motivating spirit to do things on their own and having ownership of these. Students should give equal importance to both education and sports and maintain a proper balance to excel in both the areas.” Says Dr. B.R. Zala Director Of Sports Department, Dharmsinh Desai University.

YUVOTSAV – THE SPORTS FEST : 2022

The sports fest of Dharmsinh Desai University is primarily concerned with bringing out the physical side of the students. It is an opportunity for sports enthusiasts to have their share of fun at the University and show their skills and passion towards the sport. These activities are known to enhance the concentration capacities and academic performances of the students, besides serving as a healthy mid- studies break activity. These events help in knowing the student’s skills and further improving the skills to represent our University at various levels. The various events held this year at inter-class level were: 1) BADMINTON 2) BOX-CRICKET 3) CARROM 4) CHESS 5) KABBADI 6) KHO-KHO 7) TABLE-TENNIS 8) TUG OF WAR 9) SKIPPING. With the beginning of a new phase of offline teaching the Sports Club for FOT was activated by Dr. B.R. Zala & Dr. G.D. Bassan with a vision to conduct the sports week this year. With this Sports Club came into action designing and coordinating YUVOTSAV- 2022.

Names of the coordinators assigned to specific games :

Badminton :

Harshiv Patil [Mechanical, Sem-4]

Maahi Mitaliya [Information Technology, Sem-6]

Viren Chaudhary [Chemical, Sem-6]

Box Cricket :

Arjun Maniya[Information Technology, Sem-6]

Sanskriti Vyas [Information Technology, Sem-6]

Krusha Baria [Electronic Communication, sem-2]

Carrom :

Isha Paghdal[Computer Science, Sem-2]

Heet Padaria [Chemical, Sem-6]

Chess :

Dhwani Shinghala [Information Technology, Sem-6]

Krish Dholeria [Computer Science, Sem-2]

Shrey Awasthi [Electronic Communication, Sem-6]

Kabbadi :

Archana Singh [Electronic Communication, Sem-2]

Jai Mehta [Information Technology, Sem-4]

Tarang Mavani [Information Technology, Sem-6]

Sahil Katariya [Chemical, Sem-4]

Kho-Kho :

Manan Dholakiya [Mechanical, Sem-4]

Prakruti Thakar [Chemical, Sem-4]

Sakshi Patel [Information Technology, Sem-6]

Table-Tennis :

Pranav Dindoliwala [Chemical, Sem-6]

Heet Vadiya [Computer Science, Sem-2]

Tug Of War :

Hemant Vadhaiya [Information Technology, Sem-6]

Aayush Gandhi [Electronic Communication, Sem-2]

Vibhanshu Chauhan [Chemical, Sem-4]

Vrushti Shah [Information Technology, Sem-6]

For Photography of entire event :

Rushi Patel [Chemical, Sem-6]

Yesha Rana [Computer Science, Sem-2]

Malay Vyas [Computer Science, Sem-2]

Volunteers of the event :

Vatsal Malaviya [Information Technology, Sem-6]

Shiv Patel [Chemical, Sem-6]

Dhruv Patil [Mechanical, Sem-2]

Heenal Bosmiya [Civil, Sem-6]

Manav Shah [Computer, Sem-4]

Darsh Kalaria [Mechanical, Sem-4]

Sairaj Gandhi [Chemical, Sem-6]

Ketul Vasava [Civil, Sem-6]

Jeel Chaudhari [Chemical, Sem-6]

Shravik Soni [Information Technology, Sem-6]

Vansh Mehta [Information Technology, Sem-2]

Ajit Panchal [Information Technology, Sem-6]



HIGHLIGHTS OF INTER-CLASS EVENT :

BADMINTON :

Badminton Singles and Mixed Doubles was played for 5 days from 12th March 2022, Saturday to 16th March 2022, Wednesday. A girl or boy as an individual were allowed to participate in Badminton Singles while a team of 1 boy and 1 girl were allowed to participate in Badminton

Mixed Doubles. Nominal participation fee of 10/- Rs per person was charged to the participants for badminton singles, while 20/- Rs nominal fee per team were charged in Badminton Mixed Doubles. An aggregate of 180 participants appeared for Badminton Singles while 170 teams appeared for Badminton Mixed Doubles and a draw of 256 teams was done.

Two coordinators of Sports Club (FOT), 2 referees along with 8 volunteers were engaged to maintain proper flow of the game. Badminton singles and doubles were played in the ground besides the IT department. A tentative schedule of the match was circulated among the participants in the WhatsApp group and the teams were summoned according to the schedule.



Badminton Single Boys and Girls

Round 1 of Badminton Singles was commenced on 12th March 2022, Saturday. There were a total of 256 draws. Out of these 128 participants made their way to Round 2. Round 2 was held on 13th march 2022, Sunday. An aggregate of 64 participants were qualified to Round 3. Round 3 was held on 14th March 2022, Monday. Out of 64 participants, 32 were qualified for Round 4. Round 4 and Quarterfinals were commenced on 15th March 2022, Tuesday. Respected Head of Department faculties also enjoyed by playing Badminton. The semifinals and finals of Badminton singles were held on 16th March 2022, Thursday and the winner and the runner up of Badminton singles boys and girls were selected.

Badminton Mixed doubles

Round 1 for Badminton Mixed Doubles was commenced on 12th March 2022, Saturday. There were a total of 256 draws. Out of these 128 participants made their way to Round 2. Round 2 was held on 13th march 2022, Sunday. An aggregate of 64 participants were qualified to Round3. Round 3 was held on 14th March 2022, Monday. Out of 64 participants, 32 were qualified for Round 4. Round 4 and Quarterfinals were commenced on 15th March 2022, Tuesday. The semifinals and finals of Badminton Mixed Doubles were held on 16th March 2022, Thursday and the winner and the runner up of Badminton mixed doubles were selected.



BOX-CRICKET :

Blaster of the Box was a Box Cricket tournament that was played from 12th March 2022, Saturday to 16th March 2022, Wednesday. Each team was of 7 members in which it was mandatory to keep 5 Boys and 2 Girls. The game of Box Cricket was of 6 overs. A nominal participation fee of 50/- Rs was charged for each team. 5 members of sports club FOT and 3 referees were there for the smooth coordination of the game. A draw of 64 was made and played on.



Round1 of box cricket was on 12th March 2022, Saturday, and 13th March 2022, Sunday. An aggregate of 32 teams made their way to Round 2. Round 2 was scheduled for the 14th of March 2022, Monday. 16 teams were filtered from Round 2 and were encouraged for Round 3. Round 3 and Quarterfinals were scheduled on 15th March 2022, Tuesday.

The teams which qualified from the quarterfinals were promoted to the Semifinals. The Semifinals and finals were held on 16th March 2022, Wednesday morning. With the final toss of the game winners and runner-ups were declared and awarded.



CARROM :

The oiled wooden carrom game, flicks and strikes was scheduled for 3 days from 14th March 2022, Monday to 16th March 2022, Wednesday. It comprised two types of fixtures: Individual and Team (2 members) . Individual participants and Teams were nominally charged an amount of 10/- Rs and 20/- Rs. respectively. A total of 2 coordinators of the Sports Club (FOT) and 1 volunteer was engaged to maintain the discipline during the game. Flicks and strikes was played near the Centre Foyer. A total of 20 singles participants and 51 pairs were there in the league for the winning position. A tentative schedule for the matches was circulated among the captains of the respective teams. Round 1 of Carrom was scheduled on 14th March 2022, Monday. 14 teams won the draw and were encouraged further for Round2.



Round 2 was held on 15th March 2022, Monday. Out of a total of 14 teams, 9 winning teams were advanced to Round 3.

Round 3 was conducted on the same day itself. Quarterfinals and Semifinals were scheduled 16th March, 2022. The top 2 teams, after qualifying the semifinals positioned themselves on the hot seats for the finals. The finals were scheduled on 16th March 2022, Wednesday. On the other hand carrom singles were also carried out simultaneously. Out of 20 participants, 8 managed to enter the round 2. The finals was carried out on 16th March, 2022.

CHESS :

The staggering checker board game, 'CHESS' was scheduled for 4 days from 14th March 2022, Monday to 16th March 2022, Wednesday. Each player was nominally charged an amount of 10/- Rs.



The Criteria for the team were structured to maintain the decorum during the event. It was carried out in 3 levels. A total of 2 coordinators of the Sports Club (FOT) and 1 volunteer were engaged to maintain the discipline during the game. Unruly Knight was played at Central Foyer.

A total of 64 draws were there in the league for the winning position. A tentative schedule for the matches was circulated among the captains of the respective teams. Round 1 of Unruly Knights was scheduled on 14th March 2022, Saturday.

Round 2 was held on 15th March 2022, Tuesday. The finals were scheduled on 16th March 2022, Wednesday. Winners and Runners up were awarded with trophy.



KABBADI :

The 5 membered team game, Le Panga was scheduled for 4 days from 12th March 2022, Saturday to 16th March 2022, Wednesday. Each team was nominally charged an amount of 50/- Rs. The Criteria for the team were structured to maintain decorum during the event.



A team needed to be comprised of 5 boys only and there should not be a mixed team of girls and boys. A total of 3 coordinators of the Sports Club (FOT) and 3 volunteers were engaged to maintain discipline during the game. Le Panga was played in the garden, near the dean's office.



A total of 32 draws and 32 teams were there in the league for the winning position. A tentative schedule for the matches was circulated among the captains of the respective teams. Round 1 of Le Panga was scheduled for the 12th of March 2022, Saturday. 16 teams won the draw and were encouraged further for Round 2. Round 2 was held on the 14th of March 2022, Monday. Out of a total of 16 teams, 8 winning teams were advanced to Round 3. Round 3 was conducted on 15th March 2022, Tuesday.

Quarterfinals and Semi-finals were also scheduled on the same day. The top 2 teams, after qualifying for the semifinals positioned themselves in the ring of fire for the finals. The finals were scheduled for 16th March 2022, Wednesday. Winners and runners up were awarded during cultural night



KHO-KHO :

Kho-Rathera was a 7 member Kho-Kho team game that was played for 3 days from 14th March 2022 to 16th March 2022. An amount of 50/- Rs was charged to each team as a participation fee. The team comprised of all boys participants or mixed participants i.e Girls + Boys as per the convenience of the team.



Three coordinators of a Sports Club (FOT) and one volunteer referee were engaged to run the game smoothly and maintain discipline. Kho-Rather was played in the Center Foyer garden. An aggregate of 16 teams participated in Round 1. Round 1 was on the 14th of March 2022, Monday. 8 teams were filtered for Round 2 Dr. B.R. Zala sir was the referee of the event.



The quarterfinals and semifinals were scheduled for 15th March 2022, Tuesday. Two teams marked their position to the finals from the semifinals. The finals of Kho-Rather were scheduled for 16th March 2022, Wednesday.



TABLE TENNIS :

Table Tennis tournament was organized for both singles and mixed-doubles participants. Table Tennis Tournament started 14th March Wednesday. Each team of mixed doubles was nominally charged an amount of 20/- Rs and participants for singles were charged 10/- Rs. A total of 2 coordinators of the Sports Club (FOT) were engaged to conduct the event fluidly. Ping X Pong was played in the indoor sports room in the basement of Dr. N. D. Desai Medical College. A total of 36 participants were evenly spread, the competition was played in the league format.



Whereas, for Mixed-doubles there were a total of 8 teams. A tentative schedule for the matches was circulated among all the Participants. Round 1 was held between 11 am to 1 pm. Round 1 consisted of 1 set of total 11 points. At the end of Round 1, a total of 16 participants qualified for round 2. After a short break Round 2 commenced. After Round 2, 8 participants were in the race for the trophy. Quarter- Finals were scheduled before lunch break. After 4 Quarter-Finals we got our Semifinalists.



Semifinals and Finals for singles as well as, Quarter-finals for doubles were held after lunch break at 4 pm. After the nail-biting semi-finals, the top 2 players secured their shot for the Finals. On the other hand Finalists for doubles were also decided. The Finals for Singles were held after the finals for mixed-doubles. With the toss by Dr. B. R. Zala, the Finals were started. The finals consisted of Total 5 sets, which were of 11 points each. The winner was decided on the bases of best of all five sets.



TUG OF WAR :

The 7 membered team game, Tug of war was scheduled for 4 days from 12th March 2022, Saturday to 16th March 2022, Wednesday. Each team was nominally charged an amount of 50/- Rs. The Criteria for the team were structured to maintain the decorum during the event. It was mandatory that a team should comprised of 5 boys and 2 girls and the total weight of the team should not exceed 600 Kgs.



A total of 2 coordinators of the Sports Club (FOT) and 3 volunteer were engaged to maintain the discipline during the game. Roaring and Roping was played in the garden, near the dean's office. A draw of 32 was made for 32 teams. A tentative schedule for the matches was circulated among the captains of the respective teams. Knock-out rounds consisted of 3 set only whereas Finals were consisted of a total of 5 sets. The winning team was decided on the basis of best of 5 sets.





SKIPPING :

The energetic contest, 'Skipping' was scheduled on 14th of March, 2022. It was a surprise event and registration were done on the spot.



For this astonishing event the entire Sports Club team and volunteers were present. The venue was kept Centre Foyer. Total of 10 individuals students participated. It was an astounding and memorable event.

Post-COVID achievements

Athletics – Discus Throw :

We feel proud to say that for the very first time our university had taken part in the "All India Inter University Athletics Tournament -2022" organized by KIIT University, Bhubaneswar. One of our student, Khushi Padariya took part in Discus Throw and marked a record of 44.51 meters secured 5th position among all other universities. She is also selected for the prestigious Khelo India tournament.

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Page 1 of 1

81st ALL INDIA INTER UNIVERSITY WOMEN ATH CHAMP-2021-22

22-02-2022

ORG:-KITT UNIVERSITY, FROM 21-24 FEB-2022

2/21/22 - 2/24/22

VENUE:-KITT-KISS ATH STADIUM, BHUBANESWAR

Event # 18 WOMENS Discus Throw

FINAL

MR:HAWANT KAUR GNDU AMRITSAR 53.28 2001

NR:KAMALPREET KAUR PUNJAB 66.59 12-06-2021

Flight 1

1	„ GORIMA	282	CHAUDHARY BANSI LAL	46.31m	_____
2	„ TANUJA	855	MAHARSHI DAYANAND UN	45.78m	_____
3	„ SHALINI CHOUDHA	914	MANGALORE UNIVERSITY	45.39m	_____
4	„ SHWETA	854	MAHARSHI DAYANAND UN	45.36m	_____
5	„ PADARIYA KHUSHI	375	DHARMSINH DESAI UNIV	44.51m	_____
6	„ POONAM FENIN	996	PANDIT DEENDAYAL SHI	43.24m	_____
7	„ SUNITA	1076	PUNJABI UNIVERSITY P	41.95m	_____
8	„ MORE NISHIGANDH	1257	SHIVAJI UNIVERSITY K	41.47m	_____
9	„ KALVATHI	1556	RAICHUR UNIVERSITY	40.17m	_____
10	„ THOUFEERA CP	629	KANNUR UNIVERSITY MA	39.79m	_____
11	„ RAJBALA SAINI	580	JANARDAN RAI NAGAR R	39.76m	_____
12	„ PRAMILA	1427	UNIVERSITY OF KOTA K	39.06m	_____



For the very first time, our University was selected for “Khelo India University Games-2021”. More than 180 universities and 4000 players have taken part in the "khelo India". It is a moment of pride as our university student Khushi Padariya was selected in Athletics - Discus throw. She outperformed and stood 5th among all participants at Khelo India-2021.

Chess :

Our university had participated in the "All India Inter University Chess Tournament (west zone)” held between 25-3-2022 to 27-3-2022. After cut throat competition, 5 students were selected for the tournament from our university. There was no proper facilities for accommodation so our students managed there stay in a hotel in the city.

1. Vansh Himanshubhai Mehta (Information Technology, 2nd Sem)
2. Malav Chirag Shah (Information Technology, 2nd Sem)
3. Rushikumar N Bhatt (Electronics and Communication, 2 sem)
4. Parmar Aditya M (Information Technology, 3rd Sem)
5. Hemant Vadhaiva (Information Technology, 3rd Sem)



Table Tennis :

This is for the first time in post COVID period our university has organized Table Tennis tournament in “**Khel Maha Kumbh**” 2021-2022. This tournament included all categories: Mens, Womens, Doubles, Singles, Under-16.



Pre-COVID achievements

Table Tennis :

Our university participated in “All India Inter University Table Tennis Tournament” organized by Shri Vaishnav Vidhyapith Vishvavidhyalay University. Our team won its first match against Gondwala University on 30th October evening with a score of 3-0.



We witnessed thrilling and exciting events organized by Sports Club . Some of these activities like Box CRICKET, TUG OF WAR, BADMINTON etc. Got an overwhelming response. We witnessed an active participation and appreciation from some faculties as well. The events were a huge success and we look forward to organize these type of fun plus physical events next year with your support. We wish all the players a good fortune in their journey of sports and hope they continue to represent and uphold our University's name in the field of sports.

8.0 Placement activities

Annual Report 2021-22: Dharmsinh Desai University Placement Office

The year 2021-22 proved to be another successful year for the Placement activities at Dharmsinh Desai University. We witnessed a vibrant and dynamic job market, with numerous companies engaging with our students and offering them exciting career opportunities. The Placement Office played a crucial role in bridging the gap between academia and industry, ensuring that our students were well-prepared and connected to potential employers.

During this period, we facilitated online and on-campus interviews with close to 150 esteemed companies. These companies represented various sectors, including technology, finance, engineering, pharmaceuticals, and more. Their participation and interest in our students' talents were a testament to the quality of education and training provided at our university.

One of the highlights of the year was the placement drive conducted by Reliance Industries, where they selected 35 students in a single day. This accomplishment showcased the trust and confidence that renowned organizations have in our students. The salary package offered by Reliance Industries at 8 Lakhs per annum provided a great start to the careers of these selected students.

Furthermore, we are proud to announce that the highest salary package offered during the year was an exceptional Rs. 75 Lakhs per annum by Bloomberg. This remarkable achievement exemplifies the caliber of our students and their competitiveness in the job market.

In total, more than 650 students were successfully placed on campus during the year, which is a significant accomplishment for our Placement Office. In addition to this significant number of students opted for higher studies and self employment. We are dedicated to guiding and preparing our students for their professional journey, and this success reflects the hard work, commitment, and continuous support of our faculty, staff, and industry partners.

Looking ahead, we are committed to further enhancing our placement efforts. We will continue to foster strong relationships with companies, expand our network, and provide our students with the necessary skills and knowledge to excel in their careers. We aim to create more opportunities and ensure the holistic development of our students, making them industry-ready and globally competitive.

The year 2021-22 was a successful one for the Placement efforts at Dharmsinh Desai University. We are proud of our students' achievements and grateful for the support and collaboration of our industry partners. We remain dedicated to empowering our students and facilitating their successful transition from academia to the professional world.

Top of Form

As part of our commitment to preparing our students for successful placement activities and ensuring their career development, the Placement Cell at Dharmsinh Desai University organized a series of informative and insightful programs throughout the year. These programs aimed to equip our students with the necessary skills, knowledge, and guidance for their professional journey, as well as to provide them with valuable insights into career opportunities and higher studies abroad.

It is a regular practice at DDU to arrange webinars, seminars, and expert sessions, and during the period from 01.07.2021 to 30.06.2022, a total of 32 such events were organized for the benefit of our students. These events were conducted in collaboration with industry experts, renowned professionals, and alumni who shared their experiences and expertise in various domains.

The webinars, seminars, and expert sessions covered a wide range of topics, including resume building, interview techniques, industry trends, emerging technologies, higher education opportunities abroad, and more. Our students had the opportunity to interact with experts, ask questions, and gain valuable insights that would enhance their employability and make informed decisions regarding their future careers.

These events played a significant role in complementing the academic curriculum and empowering our students with practical knowledge and industry exposure. We believe that such initiatives are crucial in shaping well-rounded professionals who are ready to thrive in the competitive job market.

The success of these programs would not have been possible without the support and participation of our esteemed guest speakers, faculty members, and industry partners. We extend our heartfelt gratitude to all those who contributed to the success of these events.

We remain committed to organizing more such programs in the future, continually evolving to meet the needs and aspirations of our students. The Placement Cell at Dharmsinh Desai University will continue to provide comprehensive support and guidance to ensure that our students are well-prepared and equipped for the challenges and opportunities that lie ahead in their careers.

9.0. Convocation



From L-R front row: Mr Ankur Desai, Dr H M Desai, Dr R S Sodhi, Mr Kushal Desai, Prof R K Jain
Back row: Dr. Arul Vyas; Dr Hiren Patel; Dr B N Suhagia; Prof K N Sheth; Dr N K Patel; Mr MR Bhavsar

Report on the 22nd Convocation of Dharmsinh Desai University

Introduction: The 22nd convocation of Dharmsinh Desai University (DDU) was held with great enthusiasm and pride. The convocation procession, led by the esteemed registrar, Prof R K Jain, commenced from the university building and arrived at the venue punctually. Dr Kushal Desai, President of Dharmsinh Desai University, presided over the function, graced by the presence of Dr H M Desai, Vice Chancellor of DDU, Mr Ankur Desai, the campus director, and deans from various faculties.

Welcoming Address: Dr H M Desai, Vice Chancellor of the University, delivered the welcome address, introducing the esteemed guests and attendees to DDU. He extended a warm welcome to our distinguished guests, whose presence added significance and inspiration to the ceremony. Dr Desai congratulated the graduating students on achieving this milestone in their educational

journey, acknowledging the years of hard work, determination, and perseverance they have dedicated to reaching this point. He expressed that DDU celebrates and recognizes the accomplishments of its graduating students as they embark on their future armed with knowledge, skills, and the indomitable DDU spirit.

Dr Desai emphasized that Dharmsinh Desai University is more than just an institution; it is a university with a difference. The university's commitment to providing value-based excellence across all academic disciplines sets it apart. DDU strives to create an environment that fosters innovation, critical thinking, and holistic development. The aim is to equip students with the necessary tools to succeed in the dynamic global landscape.

As the graduating students embark on the next phase of their journey, Dr Desai encouraged them to embrace challenges and seize opportunities with enthusiasm. He urged them to remember the values and principles instilled during their time at DDU, encouraging them to strive for excellence, make a positive impact in their chosen fields, and contribute to society and the nation.

Dr Desai extended a warm welcome to everyone present and expressed hope that this convocation serves as a testament to the remarkable achievements and bright futures of our graduates.

Degree Awards and Medals: The registrar of the university announced the degrees awarded to the graduating students. Gold medals were presented to meritorious students who excelled in their respective programs. Before awarding the medals, the Vice Chancellor felicitated faculty members who had supervised PhD students, recognizing their valuable contributions to the university.

Convocation Address: Dr R S Sodhi, Managing Director of Gujarat Co-operative Milk Marketing Federation Limited (AMUL), was invited as the Chief Guest for the 22nd convocation. In his address on the topic "Role of Youth in the Development of Bharat," Dr Sodhi congratulated all the graduating students, with a special mention of the gold medalists. He lauded DDU and AMUL as the shining stars of the Charotar region, highlighting the university's commitment to value-based excellence in various academic disciplines.

Dr Sodhi acknowledged the transformative impact of the COVID-19 pandemic, which has opened new opportunities in the digital era. He emphasized the importance of technology that

enables flexibility and predicted the rapid prominence of blockchain technology. Dr Sodhi also emphasized the need to bridge the Rural-Urban divide in India by leveraging technology. He projected that India's GDP would surpass that of Germany and Japan by 2030, propelled by the increasing working-age population.

Role of DDU in Skill Enhancement: Dr Sodhi underscored the vital role DDU plays in enhancing skills to propel India towards becoming an economic powerhouse. He stressed the importance of focusing on skills, speed, and scale. Furthermore, he highlighted the significance of nurturing the agriculture sector, which provides livelihoods for the majority of Indian citizens. Dr Sodhi cited animal husbandry as an entry point for reducing poverty among landless and near-landless households, exemplifying the successful collaboration between Amul and farmers.

The Amul Model and Alumni Contributions: Dr Sodhi reminisced about his association with Dr Verghese Kurien, the founder of Amul, who prioritized integrity while recruiting professionals. He highlighted the success of the "Operation Flood" inspired by the Amul model, which significantly increased per capita milk availability in India. Dr Sodhi emphasized the influential role alumni play in shaping an institute's brand and urged the graduating students to embark on less-trodden paths with integrity, credibility, and patience.

Presidential Address: In his presidential address, Dr Kushal Desai, the President of DDU, underscored the need for sustainable growth. He referenced the clear skies witnessed during the pandemic period, resulting from reduced pollution levels, emphasizing the importance of environmental consciousness.

Conclusion: The 22nd convocation of Dharmsinh Desai University was a resounding success, celebrating the remarkable achievements of the graduating students. The convocation address by Dr R S Sodhi provided valuable insights into the role of youth in India's development, emphasizing the significance of skills, technology, and agriculture. The event concluded with a vote of thanks proposed by Mr Ankur Desai, the Director of DDU, expressing gratitude to all those who made the convocation a memorable occasion.

Overall, the convocation served as a platform to inspire and motivate the graduating students, acknowledging their achievements and encouraging them to contribute to society and the economy while upholding the values and principles instilled by DDU.



From L-R front row: Mr Ankur Desai, Dr H M Desai, Dr R S Sodhi, Mr Kushal Desai, Prof R K Jain
 Back row: Dr. Arul Vyas; Dr Hiren Patel; Dr B N Suhagia; Prof K N Sheth; Dr N K Patel; Mr MR Bhavsar



The following number of students were awarded degrees and diplomas during 22nd convocation of DDU.

Programme	FD	F	S	P	Total
B.Tech. EC	78	17	9	0	104
B.Tech. CE	136	11	4	0	151
B.Tech. IC	58	5	5	0	68
B.Tech. CH	123	16	4	1	144
B.Tech. CL	52	9	1	0	62
B.Tech. IT	120	17	9	0	146
B.Tech. MH	95	13	4	0	112
M.Tech.(EC)	1	0	0	0	1
M.Tech.(CE)	2	2	0	0	4
M.Tech.(IT)	1	1	0	0	2
M.TECH. (CL-STRU.)	9	8	0	0	17
M.Tech.(CAD/CAM)	3	0	0	0	3
B.C.A.	60	9	4	1	74
M.C.A.-4	53	11	5	0	69
M.C.A.-6	13	7	4	0	24
B.B.A.	38	12	8	3	61
B.B.A.(Hotel Mangt.)	6	4	3	3	16
M.B.A.	21	32	15	0	68
Diploma Chemical	25	12	4	4	45
B.Com.	45	22	46	15	128
B Com (Eng Medium)	36	8	12	4	60
BDS	0	13	41	30	84

M D S (Oral Surgery)					3
M D S (Conservative)					3
M D S (Orthodontia)					3
M D S (Periodontia)					3
M D S (Prosthodontia)					3
M. Com.	7	11	11	5	34
B.Pharm.	43	15	0	0	58
M. Pharm(Q A)	3	0	0	0	3
M. Pharm(P'suitics)	6	3	0	0	9
Ph.D					3
Total	1034	258	189	66	1565

Note: FD = First Class with Distinction, F = First Class, S = Second Class, P = Pass Class

List of Scholars awarded Ph D during 22nd CONVOCATION, held on 9TH May , 2022

	Name of Research Scholar	Title of Thesis	Name of Guide
Ph.D.	Raval Sejal Kamlesh	Passive Fault Tolerant Control for Affine SISO and MIMO level Control System With Uncertainties	Dr Vipul A Shah, Professor & Head, IC Department, D D University, Nadiad
	Himanshukumar Rajendrabhai Patel	Passive Faults Tolerant Control Strategy for Interacting and Non Interacting Process With Possible Fault using Artificial Intelligence	Dr Vipul A Shah, Professor & Head, IC Department, D D University, Nadiad
	Dipika Chavda	Systematic Development of Supersaturated Naproxen and Pomegranate Peel Extract	Guide: Dr Atindra Shukla Director, SSCSS & Nano Technology, Dharmsinh Desai

		containing Topical Spray for the Treatment of Osteoarthritis	University , Nadiad Co Guide: Dr Tejal G Soni, Professor, Faculty of Pharmacy,D D University, Nadiad
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List of Meritorious PG Students who are felicitated during 22nd Convocation, on 9TH May, 2022

1	M.B.A.	SHAH AVANI TUSHARKUMAR
2	M.C.A.-6	SUTARIYA JIGARBHAI SURESHBHAI
3	M.C.A.-4	GARG SRUSHTI PAWANKUMAR
4	M Tech (Civil-Structure)	PATEL NIRMALKUMAR CHAMPAKLAL
5	M Tech (Computer Engg)	SHWETA SHARMA
6	M Tech (EC)	SONI RIYA SANJAYBHAI
7	M Tech (IT)	MAKWANA BHUMI POPATLAL
8	M. Tech. (CAD/CAM)	PRAJAPATI SHIVAM UMESHKUMAR
9	M D S (Oral Surgery)	SUTHAR PARTHKUMAR JAYANTILAL
10	M D S (Conservative)	PATEL TULSI RAJESHBHAI
11	M D S (Orthodontia)	SHAH NEELKUMAR ALKESHKUMAR
12	M D S (Periodontia)	GANGANI TUSHARKUMAR DINESHBHAI
13	M D S (Prosthodontia)	MAHETA SARTHI HASMUKHBHAI
14	M.Pharm (Quality Assurance)	SONI KRISHNA HARISHCHANDRA
15	M.Pharm (Pharma Ceutics)	SHAH DHWANI NISHITKUMAR
16	M.Com.	BHATT KAVAN NARENDRABHAI

List of Meritorious UG Students who are felicitated during 22nd Convocation, on 9TH May, 2022

No.	Programme	Merit First Student
1	B. Tech.(Computer)	SHAH JWALIT CHIRAGBHAI
2	B. Tech.(Chemical)	MODI NEVIL DHARMENDRAKUMAR
3	B. Tech.(Civil)	KHAMBHATTA FARZAN LOVEJI
4	B. Tech.(Electronics & Comm.)	PIYUSH PRASHANT SAINI
5	B. Tech.(Instru. & Control)	JAYKUMAR S. MISTRY
6	B. Tech.(Info.Tech.)	MAKWANA SHYAM BHARATKUMAR
7	B .Tech (Mechanical)	HARSH SONI
8	Diploma (Chemical)	LO KUSHAL MAHENDRAKUMAR
9	B.B.A.	PATELIYA SHRUTI SUNIL
10	B B A (Hotel Management)	SHUBHANGI GAURANG JOSHI
11	B.C.A.	BHATT ISHABEN PIYUSHKUMAR
12	B.Com.	CHAUHAN VAISHALIBEN GOPALBHAI
13	B Com (English Medium)	PRITWANI JAYDEEPKUMAR PRAKASHBHAI
14	B.D.S.	MANIAR AAROHI HITESHBHAI
15	B. Pharm.	UBHARANI GAUTMI DEEPAKBHAI