



## 14<sup>th</sup> Annual Report 2022 - 23



# CHARUSAT<sup>®</sup>

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

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# Charotar University of Science and Technology (CHARUSAT)

14<sup>th</sup> Annual Report  
2022 - 23

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# Motivation from the President



*"CHARUSAT strives to prepare the youth for the Global Challenges. It shall train the young minds to be job creators and not the job-seekers."*

**Surendra Patel**  
President, CHARUSAT

The chronicles of 2023 delineate a year of remarkable significance within the global spectrum, with particular resonance in the tapestry of India's narrative. The bastion of higher education in India confronted and surmounted myriad challenges, fortifying its foundational ethos of furnishing superlative education to its enterprising alumni, transcending barriers of socio-regional and economic strata. The confluence of academia and the vanguard of science and technology in 2023 was emblematic of a paradigm shift. In the wake of the ubiquitous global pandemic and the dawn of a 'novel normal' permeating all economic domains, Indian higher education traversed from conventional lecture halls to the virtual expanse, eventually embracing hybrid pedagogical methodologies.

Whilst the corporate realm had long embraced digital prowess, the deluge of online pedagogy and examination modalities inundated the pedagogic fraternity and its disciples. This inundation spanned from acclimating to the latest educational technologies to mollifying the apprehensions of students hailing from disparate corners of the nation, grappling with digital accessibility woes. The hybrid educational archetype, amalgamating offline and online instructional conduits, has seamlessly emerged as the contemporary educational ethos. It is heartening, that the higher education fraternity across India orchestrated a swift and seamless transition to this nascent educational paradigm.

CHARUSAT has prominently led the charge in this transformative journey. Despite the abrupt shift in educational delivery, the institution has remained resolute in integrating education with societal duty, wielding it as a catalyst for global metamorphosis from the grassroots up. Through its pioneering initiatives, CHARUSAT has underscored the immutable essence of education, emphasizing that neither physical distance nor temporal constraints can diminish its fundamental purpose: to foster the social and ethical elevation of contemporary students.

With purpose as pure and high, **Charotar University of Science and Technology (CHARUSAT)** has been founded with the aim of positioning India prominently on the global education landscape. Functioning as an educational nucleus, CHARUSAT is dedicated to the generation, enhancement, and dissemination of knowledge. Since its inception, CHARUSAT has been pioneering the redefinition and restructuring of higher and professional education paradigms.

CHARUSAT strives to convert information into knowledge and wisdom which allows citizens to live a harmonious and meaningful life in accordance with all existence. Teachers need to dedicate their efforts to construct and facilitate opportunities (using appropriate technological tools and platforms), where the students can practice and experience creativity in their professional and personal lives. Moving a

step ahead towards the purpose of education, **CHARUSAT aims to make its students Job Creators and not Job Seekers.**

In addition, CHARUSAT staunchly upholds the principles espoused by **Sardar Vallabhbhai Patel**, revered as the Iron Man of India, who professed, "Education without character is futile." To instill the right values in students, CHARUSAT has been founded as a university dedicated to fostering high moral and ethical standards. Integrity, honesty, and transparency serve as the cornerstone of CHARUSAT's ethos, reflected both in its words and deeds, as it collaborates harmoniously with all stakeholders. In a concerted effort to give back to society, CHARUSAT channels its endeavors towards nurturing future leaders. As a humble endeavor towards societal betterment, the **Charusat Rural Education Development Program (CREDP)** endeavors to elevate educational standards in rural areas, emphasizing the enhancement of school infrastructure through initiatives such as laboratory development, library expansion, and deployment of technology in pedagogy. Both students and faculty members of CHARUSAT actively contribute to this noble cause.

Recognizing the symbiotic relationship between teaching and research, CHARUSAT prioritizes research endeavors with social relevance or geared towards addressing societal concerns. A dedicated Research and Development Centre has been established on campus to facilitate multidisciplinary research initiatives. Furthermore, to spearhead research in space technology, CHARUSAT established the **Charusat Space Research and Technology Center (CSRTC)** in close collaboration with ISRO. Expanding its horizons into astrophysics and cosmology, the International Centre for Cosmology has also been instituted.

CHARUSAT also fosters a niche for world class education at the rural base. With an aspiration of being a World Class University, at present it strives to be in the league of **Top 20 Universities at National Level**. I extend an invitation and request you all to join the march and facilitate CHARUSAT to achieve these goals.

As we delve into the pages of the **14<sup>th</sup> Annual Report**, which encapsulates the major activities and achievements of the year 2022-23, I am filled with a sense of profound contentment. Witnessing the remarkable progress of our institutes, the commendable endeavors and accomplishments of our esteemed faculty members and students, and the innovative initiatives in community service, research, and collaborations, fills my heart with pride and admiration.

I fervently hope that each of you will derive both enlightenment and inspiration from the insights shared within this report, recognizing it as a testament to the unwavering dedication and collective spirit of our cherished CHARUSAT community. I also want to convey my heartfelt gratitude to all who have volunteered and contributed in the development and expansion at CHARUSAT Campus – be the contribution in the form of knowledge, skills and resource sharing. Particularly, I would like to thank the Members of the **Governing Body, Board of Management** and other Committees for their invaluable guidance. I also thank all the donors, executives of **Matrusanstha, Kelavani Mandal**, and **CHARUSAT**, Experts, Deans, Principals, Teachers and Students for their contribution.

The **14<sup>th</sup> Annual Report** depicts major of the activities and achievements of the year 2022-23. I feel content to see the progress of the institutes, activities and achievements of the Faculty Members and Students, and unique initiatives of community service, research and collaborations. I hope you will all find it informative and inspiring.

- *Surendra Patel*

# From the Desk of the Provost



*"What distinguishes CHARUSAT from the rest of the universities is how it implements the strategy to achieve its goals."*

**Dr. R. V. Upadhyay**  
Provost, CHARUSAT

We reside in an era dominated by the ethos of sustainable development, which entails fostering equitable academic and professional opportunities, nurturing ethical leadership, and consistently elevating the quality of life for all individuals through the refinement of everyday resources, thereby fostering greater harmony among humanity. This demands more than just mere acquisition of **knowledge and skills**.

Indeed, knowledge and skills fundamentally play a pivotal role in driving economic prosperity and facilitating social empowerment through the dissemination of human values via educational processes, which is imperative in our current context. This principle holds true across all realms of knowledge, whether in education, research, or innovation.

The History of Ancient Education System in India unfurls a wide, eclectic and opulent legacy that includes prominent centers of knowledge such as **Takshashila** and **Nalanda**. The pace of growth of higher education institutions was very slow during the period from 1857 until India got independence in 1947. However, post-independence, the institutes of higher learning and universities have flourished in India making the Indian Higher Education System one of the largest ones in the world.

Looking globally, three Indian institutes have made it to the top 150 of the latest Quacquarelli Symonds (QS) **World University Rankings** released in June 2023. The three institutes are IIT - Bombay, IIT - Delhi and IISc - Bangalore. However, not a single Institute got a position in Top 100 Universities in the Ranking, it is believed that Indian higher education performs 'most strongly' in research quality. One such academic organization rapidly striding towards becoming a World Class University (WCU) through a thrust on Socially Relevant Research is **Charotar University of Science and Technology (CHARUSAT)**.

CHARUSAT has been established by promulgation of Gujarat Private University Act, 2009. It is empowered to confer degrees under Section 22 of UGC Act, 1956. Presently, there are, on CHARUSAT Campus, 7 faculties, 9 institutes offering more than 70 programmes leading to UG, PG and Ph. D in the field of Engineering and Technology, Pharmacy, Computer Applications, Management, Applied Sciences, Nursing, Physiotherapy and Paramedical Sciences. All education programmes are semester based. Learning is based on **Credit System** and evaluation is based on **Grading System**.

Looking to the academic excellence and its conspicuous social impact, CHARUSAT has been awarded with A+ Grade by **National Assessment and Accreditation Council (NAAC)**, Bangalore. Quite uniquely, CHARUSAT is the First State Private University in Gujarat to obtain A+ Grade in the very first cycle of Assessment by NAAC. CHARUSAT has been ranked among the top three private universities of Gujarat by National Institute of Ranking Framework (NIRF), Government of India. The Government of Gujarat has also granted CHARUSAT the status of a Center of Excellence. At national level, CHARUSAT ranks among top 101 - 150 Universities. CHARUSAT has also been one of Top 3 Private Universities with 4 Stars in the Gujarat State Institutional Ranking Framework (GSIRF) 2023. In this endeavour to

improve the research quality in the teacher- student fraternity, in the last five years, at CHARUSAT, 174 Research Scholars have been awarded with Ph. D. degrees, 418 are pursuing their doctoral research along with 8 registered for Post-Doctoral research under 178 supervisors. CHARUSAT has 3 researchers appearing in top 2% most-quoted scientists of the world.

The **NEP 2020** policies curated by the Government of India to promote a holistic educational framework at higher educational institutions focuses primarily on the use and integration of technology within the educational curricula as well to the promotion of research within the system. In the light of this vision, CHARUSAT houses 241 Labs for Research, Consultancy and Testing and has collaborated with 70 reputed organizations, institutes and universities through MoUs. During the last five years, seed money grant was given to 73 teachers for Innovative projects worth INR 130 Lacs. **CHARUSAT Startup and Innovation Center** has supported 90 start-ups and more than 1780 students benefitted through various initiatives. 30 projects worth INR 7.27 Crore have successfully been executed at CHARUSAT in addition to 82 industrial consultancy projects of INR 1.8 Crores. 460 research-oriented events were organized. Further, around 300 Research students from institutes like IIT, BITS etc. have undergone specialized courses at ICC. Policy for Patent filing and Royalty sharing has led to the Publication of 12 patents and 2 royalty agreements. Paper publications in SCOPUS indexed journal stands at 901, Web of Science at 463 and UGC-listed at 195. 299 Book Chapters, 56 Books, and 299 research papers are published in conference proceedings.

Thus, there are 1352 publications during the period of 2021 to 2023. Moreover, in consonance with the NEP and the University's goal to soar high in World Rankings such as QS, each faculty member is also encouraged to undertake research in the area of interest and is also acknowledged during Annual Day and **Foundation Day** Celebrations. To promote research and motivate faculty members, University has instituted the **research paper award** in each faculty.

The University Campus is spread over 120 acres of lush-green land with modern teaching and learning facilities. The entire campus is Wi-Fi enabled and has 1550 mbps round the clock internet connectivity. There are more than 3925 PCs, high- end servers, and the latest software, with more than 241 laboratories. Central Library is enriched with more than 95000 books, 340 Print Journals, 16000 E-journals & magazines and educational databases. The present development at CHARUSAT has a capital outlay of Rs.1500 million.

Further, currently, CHARUSAT has 484 faculties pulsating with vigour and will to conquer the world. The commitment and zeal of the faculty are marked by their continuous engagement in rigorous academic activities, which are not just limited to teaching, research and imparting knowledge and skills to more than 8736 students on roll. It has been envisaged to expand the activities at CHARUSAT beyond teaching and extension through the establishment of the Incubation, Innovation and Entrepreneurship Development Centre in the Campus to deal with various activities.

The intellectual capital is the backbone of effective teaching, research, and mentoring. Out of 484 faculty members, 199 have Ph. D. degrees, while others have Master's degrees. All the faculty are recruited by direct selection based strictly on merit. Ad hoc appointments or contractual appointments are made in lieu of faculty deputations and vacancies. Also, there is a provision to invite a person of eminence as Adjunct Professor. Despite all constraints resulting from the ravages of the pandemic, CHARUSAT did not reduce the salary of any of the employees including the daily wagers. Regular increments were duly released and there was no attrition in the number of employees. Further, it has been the practice at CHARUSAT to release the salaries of employees on the first day of the month. The same continued even during pandemic and lockdowns. As a Networking University, CHARUSAT has always been willing to work in partnership for mutual benefits with Industries, Research Centres, Academic Institutes and even Universities. CHARUSAT aims to become a dynamic and globally vibrant institute through excellence in innovation and research. Further, during the year, many National and International

Scholars visited CHARUSAT and delivered lectures; similarly, CHARUSAT faculties visited places for the similar purposes, too.

The University has created Post- doctorate fellowships and has 12 Endowment Chairs. Experts of eminence from around the World are invited by Departments and Institutes to share their knowledge and skills. Quite uniquely, Dr. APJ Abdul Kalam Chair has been established. Shri Ashok Patel, Technopreneur and Businessman, USA graced the **12<sup>th</sup> Convocation** Function as the chief guest and delivered the twelfth convocation address.

The university promotes its research thrust through various projects and consultancy services. It also undertakes many consultancy projects from Industry. CHARUSAT, at present, has on hand and has completed research projects from funding agencies like DST/DBT, GUJCOST, UGC, DAE, SERI, CSIR, ABB, DNP Industry, GSBTM, CHARUSAT and many more.

Healthcare Education has been initiated at CHARUSAT in the allied fields of Nursing, Physiotherapy and Paramedical Sciences. To complement healthcare education and to cater to the healthcare needs of all populace of the society, World – Class Multi-specialty **CHARUSAT HOSPITAL** has also been established. Charusat Hospital is planned to be a 450 Bed Hospital at a capital outlay of Rs. 250 Crores. In the first phase, 100 Bed Hospital has been fully functional.

The university is dedicated to students support and progression activities. It organizes various events and activities to engage and support students, which also includes indoor and outdoor sports facilities. Additionally, the university offers different scholarship to assist the students. During the year, 3,520 students at the university benefited from scholarships and freeships provided by the CHARUSAT University (₹62,119,850), Government (₹164,074,967), and non-governmental organizations (₹526,000), totalling ₹226,720,817. CHARUSAT has instituted a total of 45 gold medals to recognize the academic achievements of its students. CHARUSAT also provides special training to the students for GATE, GPAT, GRE, and other Professional Certification Programs in their fields of Study. Moreover, CHARUSAT aims to provide holistic education by incorporating principles of spirituality, human wholeness, interconnectedness, reverence for life and nature, individual uniqueness, caring relationships, equality, justice, and freedom.

Finally, CHARUSAT has set for itself the vision and goal of being amongst the top 20 Universities at the National Level. For the purpose, **Vision - Roadmap** has been charted out. In the long run, CHARUSAT aspires to have an international identity through appearing in the list of World Class Universities. It will strive to achieve it through a culture that represents the serenity of the places of learning like - Takshashila and Nalanda and the scholarly aptitude of the Centres like Harvard and Stanford.

**The Fourteenth Annual Report** aptly elaborates the events, activities, initiatives, and aspirations along with the development that took place at CHARUSAT during the year 2022-23.

I trust you will find great satisfaction in perusing the developments and activities outlined within this Fourteenth Annual Report. As we commemorate this milestone, I am compelled to extend my sincere regards and gratitude to the diverse array of individuals whose unwavering dedication has propelled our progress. I extend gratitude to all who have contributed to CHARUSAT's progress. My gratitude goes to students, principals, faculty, staff, executives, advisors, visiting experts, donors, and parents for their unwavering support. Special acknowledgement to the **Governing Body, Board of Management**, Academic Council, Research Council, Advisory Boards, Board of Studies, and committees for their guidance. Thanks to Deans, Principals, and Staff for their dedicated efforts. Appreciation to academia, industry, visitors, and well-wishers for their valuable contributions and motivation.

I look forward to our continued journey of growth and excellence.

- *Dr. R. V. Upadhyay*

## Preface

Dear Readers,

The Fourteenth Annual Report of CHARUSAT depicts various initiatives, events of eminence, academic, co-curricular, extra-curricular activities as well as distinct achievements of CHARUSAT during the year 2022-23.

The Report also consists of a pictorial narrative of the vibrant activities carried out throughout the year along with the financial statements of the year.

In all, the report portrays the development and activities carried out and initiated at CHARUSAT during the year. At the same time, it also enlists various programmes offered and increase in intake of students at CHARUSAT. Also, Faculty Research including both – Publication and Presentation along with the Research Projects undertaken and carried out is also notably included in the report. Faculty Achievements, Participations, Students' Achievements and Participations are also duly incorporated. A wide range of events such as Conferences, Workshops, Training Programs, and Student events like Tech-Fests, Expert Lectures, Industry Visits also form a considerable part of the report. Moreover, Infrastructure, Learning Resources and Facilities have also been given due place.

To facilitate reading, the report is divided into 4 parts. The parts are:

- Part 1: CHARUSAT at a Glance; Councils, Boards, Committees at CHARUSAT
- Part 2: The Year at a Glance 2022-23
- Part 3: Financial Statement of the Year, and
- Part 4: A Pictorial Narrative of the Year

Finally, the Editorial Board heartily thanks and expresses a deep sense of gratitude to all the Institute level IQAC & Criteria Coordinators, Mr. Kruten Patel, Dr. Kaushik Trivedi, Ms. Bharati Kaknani, Ms. Priyanka Patel, Ms. Pranjal Bhatt, Mr. Maulesh Patel and Dr. Pradip zala for their help in data collection, data formation and data compilation to prepare the report.

- *Editorial Board*

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## Annual Report 2022-23

### **Part 1** CHARUSAT at a Glance Boards, Councils and Committees

## **CHARUSAT at a Glance**

### **Introduction**

Quality higher education is, in fact, the pre-requisite and the foundation of new knowledge, discoveries, innovations, and entrepreneurship. Collaborated they accelerate the growth engine of a nation. Ultimately, it leads to societal prosperity. For this, the curricula and pedagogy need to be designed relevant to the socio-economic needs of the society. They should also nurture qualities like problem solving and critical & creative thinking, learning-by-doing, greater engagement with the live context, and confident self-expression in the younger generation.

CHARUSAT believes that access and equity, in higher education, can be developed in two ways: first, existing institutions can grow; second, new institutions can be created. Everyone, irrespective of rich – poor, rural – urban, and lower-caste – higher-caste divides, should get access to Higher Education. More emphasis should be laid on research and investment in robust infrastructure for research.

### **Emergence of CHARUSAT**

CHARUSAT has been conceived by Shri Charotar Moti Sattavis Patidar Kelavani Mandal to put India on global education map by making Charotar – the Land of Sardar Patel the Global Education Hub. Kelavani Mandal, established in 1994, is a not for profit premier trust of India that works with the mission of social service through education. It has social lineage of more than 125 years from its parent organization Shri Charotar Moti Sattavis Leuva Patidar Samaj- Matrusanstha - known for its dynamic social revolution brought about by initiating Mass Marriages on a massive scale.

Formation of Kelavani Mandal through Matrusanstha, which ultimately led to the establishment of CHARUSAT, was illuminated under the leadership of two

former Presidents - Late Shri Chhotabhai Bhikhabhai Patel and Late Dr. K C Patel. Late Shri Chhotabhai Bhikhabhai Patel, an illustrious businessman and social leader based in Mumbai and founder President of Kelavani Mandal, always insisted on Global Standards. Late Dr. K C Patel, a renowned nuclear scientist and a prominent educationist of Gujarat, who succeeded Shri Chhotabhai Bhikhabhai Patel, dreamt of a university at Education Campus, Changa.

CHARUSAT has been established by inclusion in the Schedule vide Section 3(1) of Gujarat Private University Act No. 8 of 2009. It is empowered to confer degrees under Section 22 of UGC Act 1956.

CHARUSAT began its journey as a single institute in the year 2000 at Education Campus – Changa. It grew into a conglomerate of Institutes which was transformed into a University in July 2009. The name Charotar University of Science and Technology has been conceived to pay tribute to the region – Charotar (the golden land) where it has originated. The shadow structure with Academic Council, Board of Studies, Curricula, Syllabi, was ready before hand. In the transition phase and ingraining phase, President - Shri Surendra Patel and Secretary - Dr. M C Patel - of Kelavani Mandal provided (honorary) services as the President and the Provost of CHARUSAT respectively. Shri Surendra Patel still continues to provide (honorary) services as the President of CHARUSAT.

CHARUSAT is established with:

### **Vision**

To become a dynamic global Institution in knowledge economy through excellence and impact of teaching, research and social contribution

## **Mission**

To serve the society by striving to transform it through creation, augmentation, dissemination and perpetuation of knowledge

The university strives to achieve its mission through pursuit of education, learning and research at the highest levels of excellence.

## **Founding High Moral Values**

Further, CHARUSAT strongly believes in the ideals of Sardar Vallabhbhai Patel - The Iron Man of India. He believed, "Education without character is futile". In order to inculcate right values in the students, CHARUSAT has been established as a University fostering High Moral and Ethical Values. Honesty, Integrity, and Transparency have been the benchmarks of CHARUSAT in both word and action. And hence, it works in synchronization with all of its stakeholders.

## **Governance of CHARUSAT**

To guide, monitor and lead the development, progress and expansion at CHARUSAT, different Boards and Councils are formed. Governing Body and Board of Management are the apex bodies that lead CHARUSAT to achieve higher standards. To further help it discharge its vital duties and function in an effective way, various boards and councils like Academic Council, Research Council, Faculty Boards, and Boards of Studies are also formed. In addition, Advisory Boards are formed for each institute and centre on CHARUSAT Campus. For different functions and purposes, specific committees like Finance Committee, HR Committee, Purchase Committee for Equipments, Purchase Committee for Furniture, Library Committee, Exam Reform Committee, and others are also formed.

## **Faculties at CHARUSAT**

Programs offered by CHARUSAT fall under the ambit of different faculties. They are: Faculty of Technology and Engineering, Faculty of Computer Science and Applications, Faculty of Pharmacy, Faculty of Management Studies, Faculty of Applied Sciences, Faculty of Medical Sciences, and Faculty of Humanities.

## **Institutes, Programs and Centres at CHARUSAT**

Presently, CHARUSAT offers more than 70 programs ranging from UG, PG to Ph. D. under the tutelage of 9 Institutes. They are:

### **Chandubhai S Patel Institute of Technology (CSPIT)**

Chandubhai S Patel Institute of Technology (formerly Charotar Institute of Technology) is the first institute established on the Campus. It was established in the year 2000. It is patronized by Ms. Sumitraben Chandubhai Patel, USA and Family. The institute offers B. Tech. Programs and M. Tech. Programs. Ph D Program is also offered in all disciplines under Faculty of Technology and Engineering.

### **Smt. Chandaben Mohanbai Patel Institute of Computer Applications (CMPICA)**

Smt. Chandaben Mohanbai Patel Institute of Computer Applications was established in 2002. The Institute is patronized by Dr. M I Patel, Former Sheriff of Mumbai and Industrialist of repute. It was rechristened as Smt. Chandaben Mohanbai Patel Institute of Computer Applications on December 29, 2011. It offers Master of Computer Applications (MCA), M Sc (IT), BCA, and B Sc (IT) Programs. Ph. D. Program in Computer Science and Applications is also offered under Faculty of Computer Science and Applications.

### **Ramanbhai Patel College of Pharmacy (RPCP)**

Functional from July 2004, Ramanbhai Patel College of Pharmacy is established with a view to promote excellence in pharmacy education and to prepare young men and women to meet the challenges of the Industrial Pharmacy and Pharmacy practice. The institute has patronage of Pharma Giant - Zydus Cadila Healthcare Ltd. It is patronized by Shri Pankaj Patel, CMD of Zydus Cadila Healthcare Ltd to commemorate his father late Shri Ramanbhai Patel – the pioneering and distinguished pharmacist of India. It offers B. Pharm. and M. Pharm. Programs. RPCP has also introduced 2 new programmes containing 2 semesters. They are: PGDCT – Post Graduate Diploma in Cosmetic Technology; and PGDPT – Post Graduate Diploma in Packaging Technology. It also offers Certificate Programs in Cosmetic Technology and Packaging Technology. Importantly, Ph D Program is offered under the Faculty of Pharmacy in allied areas of pharmacy.

### **Indukaka Ipcowala Institute of Management (IIIM)**

Indukaka Ipcowala Institute of Management started from the academic year 2006 - 07. The Institute has been striving to make education contemporary and relevant to the current and future needs of the globe. It is patronized by IPCO Industries - a business house of repute. The institute started imparting management education through master degree program - MBA. Further, the Institute also offers three different BBA Programs. Ph D Program is offered under the Faculty of Management Studies in allied areas of Management.

### **P D Patel Institute of Applied Sciences (PDPIAS)**

Launched in the year 2007, P D Patel Institute of Applied Sciences imparts postgraduate education and conducts

research in emerging areas of Biosciences, Physical Sciences, Chemical Sciences, and Mathematical Sciences. The Institute is patronized by Late Shri P D Patel, CMD, Emirates Transformer and Switchgear Ltd., Dubai and his Family. It offers B. Sc., M. Sc. and Ph D Programs in emerging areas of (Applied) Sciences.

### **Manikaka Topawala Institute of Nursing (MTIN)**

Manikaka Topawala Institute of Nursing was established in 2009 with an aim of meeting the requirements of nurses at various hospitals of the state and the nation. It is patronized by Smt. Sumitraben Patel and Smt. Jyotsnaben Harishbhai Patel - daughters of Late Shri Manibhai Z Patel. The Institute offers B. Sc. (Nursing) and M. Sc. (Nursing) Programs with five different specializations. In addition, under the aegis of Faculty of Medical Sciences, Ph D Program in Nursing is also offered.

### **Ashok and Rita Patel Institute of Physiotherapy (ARIP)**

To foray into healthcare education, Ashok and Rita Patel Institute of Physiotherapy was established in the year 2009. The institute has the patronage of US based technocrat Shri Ashok Patel and his wife Smt. Rita Patel. It offers a four-year Bachelor of Physiotherapy (B PT) Program. The program is approved by Indian Association of Physiotherapists. The institute also offers Master of Physiotherapy (M PT) programs in five specializations, namely Musculoskeletal Sciences, Neurological Sciences, Cardiopulmonary Sciences, Rehabilitation, Woman's Health, and Paediatric. Ph. D. Program in Physiotherapy is also offered under the Faculty of Medical Sciences.

### **B D Patel Institute of Paramedical Science (BDIPS)**

B D Patel Institute of Paramedical Science was established in the year 2013. It offers 3 UG Programs – B. Sc. Programs

in Optometry; MIT, MLT, and Operation Theatre and Anesthesia Technology along with 2 PG Programs – M. Sc. in MIT and MLT. The Institute also offers one-year PG Diploma in Clinical Hypnosis; Hospital Management; and Medical Laboratory Technology.

### **Centres @ CHARUSAT**

CHARUSAT is established as a research driven socially relevant university. It dedicates its efforts to foster socially relevant research, innovations, industrial interaction and collaborations, and human resource development. To facilitate the same, R&D Centre, HRDC, CSRTC and CREDP Cell are established on the campus.

### **Dr. K. C. Patel Research and Development Centre (KRADLE)**

Dr. K C Patel Research and Development Centre was established in January 2007 to carry out Research and Development work in the emerging areas of science and technology. It undertakes multidisciplinary research as well as activities of scientific and industrial development.

### **Pri. B I Patel Human Resource Development Centre (HRDC)**

Pri. B I Patel Human Resource Development Center (HRDC) is established to cater, in house, the need to have faculty members of excellence for taking CHARUSAT to the status of a World Class University (WCU) in the future. Primarily, HRDC takes care of employee training and development.

### **Charusat Space Research and Technology Center (CSRTC)**

To initiate and foster research in Space Technology, Charusat Space Research and Technology Center (CSRTC) has been established on 15th June, 2013. It has been established with a plan to build a fully functional miniature satellite to encourage the inspiration and expansion in the field of space technology. Charusat

is the only university in Gujarat to have Space Technology Center.



### **Charusat Rural Education Development Program (CREDP)**

Charusat Rural Education Development Program (CREDP) is one of the Education Support initiatives of CHARUSAT. It was launched on September 26, 2013 in the august presence of Shri Bhupendrasinh Chudasama, then Hon'ble Minister of Education, Government of Gujarat. It strives for the development of school education in Charotar region and eventually it will be expanded to the



state of Gujarat. The program focuses on Strengthening of school infrastructure facilities through guidance in: lab development, library and other knowledge resource development and deployment of technology and other tools in pedagogy. Primarily, the CREDP Cell organizes 1) Training Programs for Students, 2) Training Programs for Teachers, 3) Counseling Programs for Parents and School Management, and 4) Awareness and Motivational Programs.

### **Academic System at CHARUSAT**

CHARUSAT curriculum and pedagogy correspond with the industry needs and

aspire to reach International Standards. It strives to prepare students for diverse and interdependent global competitive world. Academic System at CHARUSAT ensures that academics value the pursuit of excellence in teaching as much as in scholarship and research. In addition to regular classroom interactions, Industrial Visits, Study Tours, Expert Lectures, Interactive IT enabled Teaching Practice and Continuous Evaluation also form an integral part of innovative pedagogy at CHARUSAT.

Further, all education programs are semester based. Learning is based on Credit System and evaluation on Grading System. A student needs to study sincerely all through the course to get a good Cumulative Grade Point Average (CGPA). Further, Choice Based Credit System has also been implemented.

#### **Some of the distinctions of CHARUSAT:**

1. CHARUSAT is the first state university awarded "A" grade in Gujarat by NAAC within 5 years of its inception. Importantly, in the second cycle, CHARUSAT has been awarded "A+" by NAAC.
2. CHARUSAT is rated in the band of Top 101-150 Universities in National Institutional Ranking Framework (NIRF) 2020.
3. P D Patel Institute of Applied Sciences, a constituent Institute of CHARUSAT is ranked 24th in NIRF 2020.
4. Four Institutes of the University appear in the Top 3 Institutes in GSIRF (Gujarat State Institutional Rating Framework) 2021.
5. CHARUSAT is one of the few private Universities to have recognition as Scientific and Industrial Research Organization (SIRO) by DST.



6. CHARUSAT is the first University in Gujarat to implement Paperless (Digital) Exam and has Cloud-Ready Infrastructure since 2009.
7. Concrete Technology Laboratory and Geotechnical Engineering Laboratory of Civil Department, CSPIT have been accredited by NABL. Environment Engineering Laboratory had been already accredited by NABL since 2017. CHARUSAT has been recognized as Schedule I Environment Auditor by Gujarat Pollution Control Board (GPCB).
8. 3 Scientists from CHARUSAT appear in Top 2% Cited Scientists of the World as per the report by US-based Stanford University.
9. Recently, CHARUSAT has been accorded the status of Centre of Excellence by Government of Gujarat.



10. In accordance with NEP 2020, CHARUSAT has already upgraded its syllabi and curricula in synchronization with the Industry needs. In the last academic year, 70 new courses have been introduced at CHARUSAT. Similarly, 21 value added courses, imparting transferable and life skills, have been offered; which is 250% more than those offered in the previous year.
11. To nurture entrepreneurship and innovations amongst the students, teachers and community at large, CHARUSAT Innovative Venture Foundation (CIVF) a Section-8 Company has been established. CHARUSAT has also launched a policy to extend infrastructural support to new enterprises being set up in campus. Facilitating the commercialization of Intellectual properties of CHARUSAT for solving industrial problems, Patent Commercialization Project has been launched by bringing the 02 most experienced organizations on board with us i.e. PatentWire Consultants Pvt. Ltd., New Delhi and NRDC (National Research Development Corporation), Govt. of India
12. National and International visibility of the University has been reflected in the growing number of other state students and students from outside India. At present, 186 foreign students from 21 countries namely Gambia, Ivory Coast, Iran, Kenya, Nepal, Nigeria, Myanmar, Sri Lanka, Swaziland, South Sudan, Tanzania, Zambia, Zimbabwe, to name a few are pursuing their education at CHARUSAT.

## Infrastructure and Facilities

### Land and Buildings

CHARUSAT has its establishments on 120 acres of land. Various academic facilities and resources are housed in architecturally very well designed 9 institute buildings, a workshop and a Central Administrative Building. They have a total construction / built up area of 70,520 sq. mtrs.

### Internet Access

All staff members and students have free access to Wi-Fi Facility and 1550 mbps Internet connectivity. The facility is made accessible round the clock free of cost.

### Computer Labs

The computer labs are equipped with more than 3925 computers, high end servers and latest software to cater varied needs of all the students.

### Other Labs of Prominence

The university houses more than 240 state-of-the-art laboratories. Some of the labs are Fluid Mechanics and Fluid Power Engineering Lab, IC Engine & Automobile Engineering Lab, Kinematics & DOM Lab, Refrigeration & Air Conditioning Lab, Alternative Energy Sources Lab, Aseptic Laboratory, Language Lab, Pharmaceutical Technology Laboratory, Analytical Instrumental Laboratory and many more. All laboratories are well equipped with hi-tech equipments, which not only cater to UG, PG, and Ph. D. programs, but are also very useful for testing, consultancy and research projects.

### Knowledge Resource Center

Central Library at CHARUSAT is enriched with more than 72000 books, 309 Print Journals and 13310 E-journals & magazines and educational software. E-resources, databases and journals like: EBSCO, EMERALD, Science Direct, American Institute of Physics, RSC,

Journal of Pharmaceutical Sciences & Pharmacological Reviews, Few Journals of Medknow Publication, Springer, APS, Ace Equity, J – Gate and others are also made available to all Students and Staff Free of Cost. All the constituent institutes of CHARUSAT have also established their Libraries. Centrally, there exists National Knowledge Connectivity through INFLIBNET and DELNET. Uniquely, CHARUSAT Institutes have Memberships of IIM-A and AMA.

### **Sports and Recreation**

CHARUSAT takes ample care for students' recreation and leisure activities. The focus is on all-round development of the students. There is a huge open sports ground with an area of 19284 sq. m. with another Playground of 10652 sq. m area under planning, a center for indoor games, and a gym. Round the year many activities are organized.

### **Other Amenities**

To put students at ease, the campus has a reprography center and a stationery store. There are food courts – Hari Om Food Plaza, Amul Parlor, Nescafe Parlor, Ice Berg and other Food Zones and Plaza on the campus. The Kaira District Central Co-op Bank Ltd – KDCC Bank, Changa Branch is set up on the Campus. In addition, ATM Centre of AXIS Bank is also put up on the Campus.

### **Awards, Accreditation and Recognitions**

CHARUSAT has been known for its innovative pedagogy and the experiment of blended learning. For its innovative approach in Pedagogy, CHARUSAT has been awarded with 3rd CCI Technology Education Excellence Awards for The Best University in Use of Technology in Teaching-Learning Practices on July 17, 2015. It has been conferred by Consortium of Co-Chairpersons (INDUSTRY) and CMAI (Communication Multimedia Applications Infrastructure)

Association of India. CMAI is India's largest ICT association with 48,500 members and 54 MOU partners across the globe.

CSPIT has also been awarded with the 'CEE Excellence Award' for 'Innovation in Teaching-Learning Practices' under the category 'Innovation in Teaching-Learning Practices' by Deputy Chief Minister, New Delhi.

Uniquely, CHARUSAT has been awarded with the Design Excellence in Landscape Large Award under the Taking India to Masses Theme by Institute of Indian Interior Designers (IIID).

Every year, CHARUSAT students participate in the Formula Racing Car Competition at National and International Level. They themselves design and prepare the car. Team OJASWAT Motorsports participated in SUPRA SAEINDIA in August 2022 at Buddha International Circuit, Greater Noida, Delhi. There were total 52 teams from the Country, where Team OJASWAT Motorsports was the only representing team from Gujarat State, and from all these teams only 17 Teams completed Technical Inspection, Egress Test, Tilt Test. From these 17 teams only 13 Teams competed in Autocross, Acceleration and Skid Pad and Endurance Events and among them only four Teams completed Endurance event. Nevertheless, Team OJASWAT Motorsports secured 6th position in Business Presentation Event, 8th position in Skid pad and EES event, 11th position in Acceleration Event, 9th position in Design Presentation Event, 19th position in Cost Presentation Event and Overall 9th position among all 52 teams across India. Faculty Advisor Anand P Patel has been awarded with Dronacharya Award for mentoring his OJASWAT MOTORSPOORTS in real deserving moment as a Debut

## **1<sup>ST</sup> RANK IN THE AZADI KA AMRIT MAHOTSAV STATE LEVEL HACKATHON**

Hackathon Participants from Chandubhai S Patel Institute of Technology, Charusat, won Top Prize with Project "ekAyana" at Azadi ka Amrit Mahotsav Hackathon, SSIP Gujarat in 2023.

### **Recent MoUs**

#### **1. National Research Development Corporation (NRDC), Govt. of India**

A Memorandum of Understanding (MoU) has been signed between CHARUSAT and National Research Development Corporation (NRDC), an Enterprise of Department of Scientific and Industrial Research (DSIR), Ministry of Science & Technology, Government of India. The NRDC was established in India in 1953 to help develop and promote technologies developed at various national R&D institutions. Thus, having more than 69 years of experience in technology transfer, makes them a perfect fit for us. The objective of the MoU is the promotion, development, licensing and commercial exploitation of indigenous technologies, know-hows and inventions, including the technical and engineering know-how generated by CHARUSAT University.

#### **2. Viitor Cloud Technology**

Devang Patel Institute of Advance Technology and Research (DEPSTAR), a constituent of Charotar University of Science and Technology, CHARUSAT signed an MoU on 26th November, 2022 with Viitor Cloud Technologies Pvt. Ltd., Ahmedabad, a leading software organization that specializes in emerging technologies such as Block chain, AI/ML, IOT, Cloud Tech, AR/VR and Data Analytics. The aim of the collaboration is skill development through Resource Sharing, Joint Research, and Organization of Conferences, Workshops, and Seminars. It also focuses

on human resource development through expert lectures, student internships, training, placement soft skill seminars, workshops, Faculty Development Programmes and upgradation of curriculum. It will help the students to be "Industry Ready and Job Ready" with complete Placement Assistance. Viitor Cloud Technologies and CHARUSAT shall jointly work on government funded research projects. This collaboration shall help CHARUSAT for setting up a Center of Excellence and Technology-based Incubation Center at CHARUSAT to create an ecosystem for entrepreneurs.

#### **3. Disha Counselors LLP**

CHARUSAT signed an MoU with Disha Counselors LLP, Ahmedabad with an aim to develop a centre at CHARUSAT campus to provide higher education counselling service to the students. The MoU was signed on 30th March, 2023 at Changa for a duration of 3 years. CHARUSAT is NAAC 'A+' graded university established in Changa, Gujarat. Whereas, Disha Counselors LLP is a leading study abroad consultancy firm with offices in Ahmedabad and Vadodara. With this collaboration, students of CHARUSAT will gain access to services related to study abroad within the campus. In addition, students will also benefit from an on-campus IELTS, PTE and GRE coaching services offered in collaboration with these two organizations. Through the network of Disha Counselors LLP, students of CHARUSAT will find admission in one of the top universities in USA and Canada.

#### **4. NCI-UBA IIT nominated CHARUSAT Project for Unnati Mahotsav Project Expo**

CHARUSAT Project on Virtual Reality and Augmented Reality is nominated by IIT, Delhi during Unnati Mahotsav Project Expo from 17th March to 18th March at IIT, Delhi. UNNATI MAHOTSAV is a platform designed to ease

communication/narrow the gap between the potential researcher & the experts in the concerned field. In the said event various technologies identified by Regional Coordinating Institutes at the "Tech4Seva-regional level" were showcased. CHARUSAT project is based on Virtual Reality and Augmented Reality has been selected among top 3 projects in Gujarat by NCI-UBA IIT. There were two mode of presentation of project in expo. One had stall to demonstrate in open campus at IIT, Delhi. Students, scholars and industry person had used VR headset to see the application. CHARUSAT received good number of positive response as well as appreciation to contribute volunteering in education. Second mode of presentation was in front of technology expert from various IITs and NITs professors and marked the project at national level.

## **5. Confederation of Indian Industry**

The Confederation of Indian Industry renewed its MoU with CHARUSAT, its academic counterpart. The objectives of this MoU are as mentioned herewith: to Faculty and Student Development Program, to develop Industry Responsive Curriculum through CII's representation on university's "Board of Studies", student Internships, creation of avenues for greater involvement of faculty with industry, exchange of staff between industry and academia, utilization of R&D facilities at the institute by the industry and involvement of industry in R&D, undertake research related to industry in collaboration with R&D department of industry, and to keep the industry informed about new discoveries/ developments and innovative scientific work being undertaken.

## **6. ETS India**

CHARUSAT has extended the efforts to assist and guide the students who want to appear to competitive exams and

educational tests by signing an MoU with ETS India Private Limited. ETS India is engaged in the business of private educational testing and measurement organization and administering tests like TOEFL, TOEIC, GRE and Praxis tests. This collaboration will benefit the CHARUSAT students for training and testing of the tests mentioned above.

## **7. Airlines**

CHARUSAT has tied up with a few Airlines to avail of its Corporate Benefits, Side by side, to look after the travel needs, CHARUSAT has also appointed an Anand based travel agent called Vee Cee Travels who will take care of all travel related queries - be it international, domestic, visas and foreign exchange.

## **Innovations at CHARUSAT**

CHARUSAT is established with an aim to achieve excellence through creation, augmentation, dissemination and perpetuation of knowledge. An innovation, even in its primitive stage, is encouraged by CHARUSAT. This is with a view to generate new and fresh ideas in higher education and to test their practice. CHARUSAT has been providing the students and the Faculty Members with ample opportunities and support for the same. In its practices too, CHARUSAT has always been innovative – be it concerning academics, administration and governance, research and development, and student support and progression.

At present, 383 research scholars are pursuing the Ph. D program at CHARUSAT and 27 Ph. D. degrees were awarded in the 12th Convocation held on January 13, 2023. In the last one year, 30 faculty members have received funding worth more than INR 1 Crore for research and development. In the calendar year 2022, more than 300 research papers were published by students and faculty members in the Scopus and Web of Science indexed journals. Around 150 papers have been

presented in national and international conferences. Faculty members have published 70 books/ book chapters in the renowned publications.

18 Patents have been filed and / or held by the students and faculty members of CHARUSAT. CHARUSAT, at present, has on hand or completed 82 research projects of more than Rs. 21 Crores. Out of which, 52 research projects of around Rs. 1362.91 Lakhs are ongoing. They are from funding agencies like DST/DBT, GUJCOST, UGC, DAE, SERI, CSIR, ABB, DNP Industry, GSBTM, CHARUSAT and many more in addition to 30 completed Projects worth Rs. 740.18 Lakhs. It also has 52.6 lakhs Projects of Industry, Consultancy and Modrob Grants exceeding Rs. 34.5 lakhs. Importantly, the university supports research projects of the students (UG as well as PG and Doctoral students) by giving them financial support. The cost of testing facilities availed outside CHARUSAT is also reimbursed.

Distinctively, CHARUSAT has also initiated Post-Doctoral Fellowships, Best Research Paper Award, Patent and Intellectual Property Policy, Collaborations, and Endowment Chairs.

Endowment Chairs have been established at each constituent institute to invite scholars and eminent academicians from outside and interact and guide the faculty and research.

There also prevails a unique system of Mentoring. Every student is assigned a mentor. The faculty members act as the mentors to the students throughout their education at the university. Mentors take care of the academic, personal, social and career related issues and progress.

Finally, the university also practices, the system of Know Your Answer Book. Every student is given an opportunity to review his / her evaluated answer book

for the University level semester end examinations.

## **Unique Practices at CHARUSAT**

### **Harvesting Solar Energy**

A 100 kWp capacity solar photovoltaic (SPV) power plant has been installed on the roof of Mechanical and Civil Engineering Building of CSPIT, CHARUSAT by TATA Power Solar Systems, Bangalore. It was installed at a cost of INR 58.8 Lakhs. The generation of electricity from the SPV power plant is being monitored by automatic data logging system (Solar Log) through LAN. The total solar electricity generated in a span of five months was recorded at 64,060 kWh (equivalent to about 64,000 units).

### **E-governance**

A unique E-governance System is in place at CHARUSAT. It is the application of Information and Communication Technologies (ICTs) for delivering services, exchange of information & knowledge, and integration of various stand-alone systems. All the processes at CHARUSAT are synchronized through E-governance. For example, various student related data like students' database as per the admissions given, fees record, results, and transcripts are synchronized. Similarly, integration between Accounts and HR Sections through E-governance gives a comprehensive picture of an employee's service, salary and gradation, and leave. This helps generate collective reports.

### **Cloud Computing | Cloud Ready Infrastructure: First of its kind in Gujarat**

To utilize IT resources and infrastructure of CHARUSAT for IT requirements of others, it has implemented both - Private and Public cloud. All Institutes and department level server applications and campus e-governance facilities are being migrated to central cloud ready environment at WIN Cell through Private

cloud. Other Moti27 organizations like Matrusanstha located at Piplag, Kelavani Mandal located at Anand and Hostel located at Vidyanaagar are centrally connected through Public Cloud and hence, their server level applications and other IT requirements are facilitated centrally. Entire setup is managed through VCenter application at WIN Cell.

### **Android Based Smart Phone Application for Employees – CHARUEMP v1.0**

Android based smart phone application for Charusat employees-CHARUEMP v1.0 has been launched for the employees of CHARUSAT. This application is linked with E-governance System of CHARUSAT. With the help of CHARUEMP application, it will be possible to apply for leaves through smart phones. It will also be possible to see the leave details. The approving authorities will also be able to approve or otherwise through this application.

### **The Road Ahead**

Mapping its plan for growth and development, CHARUSAT has charted Road Map. It aims to be amongst top 20 universities at National Level by exploring new horizons and frontiers of Knowledge, Research and Innovations. In conjugation with Road Map, CHARUSAT also plans to achieve academic excellence at par with any World Class University (WCU). It strives to dedicate its efforts to Community Development through outreach programs in the areas of healthcare, education and rural community, Mobilization of adequate resources for achieving excellence in all activities, and Achievement of financial self-sufficiency for operational excellence.

Out of societal concerns, CHARUSAT works towards empowering schools in Charotar region and their management. Through meetings, teachings and trainings, it tries to improve the standards of teaching and also supports

partnership between schools and empowerment of parents. For smooth functioning, the activity has also taken formal shape and is expanding.

Thus, with an unprecedented growth and societal concerns, CHARUSAT is marching ahead to have initially the national presence and then the academic excellence of a World Class University.

### **6<sup>th</sup> Annual General Meeting of CHARUSAT Alumni Association (CAA)**



## Boards, Councils and Committees

### Governing Body (GB)

1	<b>Shri Surendrabhai Patel</b> President, CHARUSAT President, Shri Charotar Moti Sattavis Patidar Kelavani Mandal Former Chairman, Ahmedabad Urban Development Authority (AUDA) Former, Member of Parliament (MP), Rajya Sabha A Renowned Technocrat	President
2	<b>Dr. R V Upadhyay</b> Provost, CHARUSAT	Provost
3	<b>Shri Virendrabhai Patel</b> Trustee, Shri Charotar Moti Sattavis Patidar Kelavani Mandal Treasurer, CHRF    Founder, Charusat Educational Foundation, USA	Member
4	<b>Shri Harishbhai Patel</b> Prominent Technocrat, USA    A Philanthropist of repute Chief Patron, Manikaka Topawala Institute of Nursing, CHARUSAT	Member
5	<b>Dr. M. I. Patel</b> Former Sheriff of Mumbai    Renowned Technocrat and Industrialist Chief Parton, Smt. Chandaben Mohanbhai Patel Computer Application, CHARUSAT	Member
6	<b>Shri Naginbhai Patel</b> President, CHRF President, Shri Charotar Moti Sattavis Leuva Patidar Samaj – Mathrusanstha	Member
7	<b>Dr. Y P Kosta</b> Principal, Chandubhai S Patel Institute of Technology, CHARUSAT	Member
8	<b>Dr. Manan Raval</b> Principal, Ramanbhai Patel College of Pharmacy	Member
9	<b>Shri Hemal Patel</b> CEO, Cyberoam, A Sophos Company, USA and India Leading Entrepreneur in IT Industry	Member
10	<b>Dr. Bimal Patel</b> Vice-Chancellor, Rashtriya Raksha University, India Member, International Law Commission, UN	Member
11	<b>Shri Manubhai Patel</b> Prominent Industrialist    MD, Sigil India Ltd, Vadodara Parton, P D Patel Institute of Applied Science, CHARUSAT	Member
12	<b>Shri Devang Patel</b> Chief Executive, IPCO Industries & Business operated at USA A Philanthropist of repute Chief Parton, Indukaka Ipcowala Institute of Management, CHARUSAT	Member
13	<b>Shri Pankajbhai Patel</b> Chairman & Managing Director, Cadila Healthcare Ltd A Philanthropist of repute Chief Patron, Ramanbhai Patel College of Pharmacy, CHARUSAT	Member
14	Secretary from Government of Gujarat	Member
15	<b>Dr. Atul Patel</b> Registrar, CHARUSAT	Member Secretary

## Board of Management (BoM)

1	<b>Shri Surendrabhai Patel</b> President, CHARUSAT President, Shri Charotar Moti Sattavis Patidar Kelavani Mandal Former Chairman, Ahmedabad Urban Development Authority (AUD)A Renowned Technocrat	President
2	<b>Dr. R V Upadhyay</b> Provost, CHARUSAT	Provost
3	<b>Shri Naginbhai Patel</b> President, CHRF President, Shri Charotar Moti Sattavis Leuva Patidar Samaj – Mathrusanstha	Member
4	<b>Shri H. T. Patel</b> Former President, API Business, Zydus Cadila Healthcare Ltd. Prominent Donor, CHARUSAT	Member
5	<b>Shri Nayambhai Patel</b> Executive Director, Packam Controls Pvt. Ltd., Mumbai Eminent Educationist	Member
6	<b>Shri Deepenbhai Patel</b> Eminent Educationist based in Dubai Prominent Donor, CHARUSAT	Member
7	<b>Dr. M Balaganapathy</b> Principal, Ashok and Rita Patel Institute of Physiotherapy, CHARUSAT	Member
8	<b>Dr. Darshan Patel</b> Principal, PD Patel Institute of Applied Sciences, CHARUSAT	Member
9	<b>Dr. Atul Patel</b> Registrar, CHARUSAT	Member Secretary

### **Academic Council (AC)**

<b>Name</b>	<b>Designation</b>	
Dr. R V Upadhyay	Provost	Chairman
Dr. Vijay Chaudhary	Dean, FTE	Member
Dr. Sanskruti Patel	Dean, FCA	Member
Dr. Dhruv Dave	Dean, FMD	Member
Dr. Samir Patel	Dean, FPH	Member
Dr. Gayatri Dave	Dean, FOS	Member
Dr. Reshma Sable	Dean, FMS	Member
Dr. Bhaskar Pandya	Dean, FOH	Member
Dr. Shailesh Khant	Dean, Research	Member
Dr. JP Chaudhary	Head, CSRTC	Member
Dr. Kinnari Parekh	Head, KRADLE	Member
Dr. Ashwin Makwana	Head, HRDC	Member
Dr. Dilip Gosai	Head, CREDP	Member
Dr. Mayur Sutariya	IQAC Coordinator	Member
Dr. Y.P. Kosta	Director, University Research Cell	Member
Dr. Vijay Panchal	Teacher, FTE	Member
Dr. Sanskruti Patel	Teacher, FCA	Member
Dr. Palash Mandal	Teacher, FOS	Member
Dr. Mrunali Patel	Teacher, FPH	Member
Dr. Binit Patel	Teacher, FMS	Member
Dr. Prakash V.	Teacher, FMD	Member
Shri Virendrabhai S Patel	Member, Governing Body, CHARUSAT	Member
Shri H T Patel	Member, Board of Management, CHARUSAT	Member
Mr. A R Patel	Advisor, CHARUSAT	Member
Dr. B G Patel	Advisor, CHARUSAT	Member
Dr. R M Patel	Advisor, CHARUSAT	Member
Dr. V. R. Panchal	Chairman, Board of Studies in Civil Engineering	Member
Dr. Vijay Chaudhari	Chairman, Board of Studies in Mechanical Engineering	Member
Mr. Nilay Patel	Chairman, Board of Studies in Electrical Engineering	Member
Dr. Upesh Patel	Chairman, Board of Studies in Electronics and Communication Engineering	Member
Dr. Nikita Bhatt	Chairman, Board of Studies in Computer Engineering	Member
Dr. Amit Thakkar	Chairman, Board of Studies in Computer Science Engineering	Member
Dr. Parth Shah	Chairman, Board of Studies in Information and Technology	Member

Dr. Nirav Bhatt	Chairman, Board of Studies in AIML	Member
Mr Nilay Patel	Chairman, Board of Studies in Foundation Courses	Member
Dr. Jalpa Suthar	Chairman, Board of Studies in Pharmacology and Clinical Pharmacy	Member
Dr. Gayatri Patel	Chairman, Board of Studies in Pharmaceutics	Member
Dr. Rashmin Patel	Chairman, Board of Studies in Pharmaceutical Chemistry and Pharmacognosy	Member
Dr. Abhishek Dadhania	Chairman, Board of studies in Chemical Sciences	Member
Dr. Aditi Buch	Chairman, Board of studies in Biological Sciences	Member
Dr. C.K. Sumesh	Chairman, Board of studies in Physical Sciences	Member
Dr. Krunal Kachhia	Chairman, Board of Mathematical Sciences	Member
Dr. Binit Patel	Chairman, Board of studies in Business Analytics	Member
Dr. Ruma Pal	Chairman, Board of Studies in Entrepreneurship & New Venture Management	Member
Dr. Sheetal Thomas	Chairman, Board of Studies in Finance Management	Member
Prof. Archana Sarkar	Chairman, Board of Studies in Marketing Management	Member
Dr. Reshma Sable	Chairman, Board of Studies in Human Resource Management	Member
Dr. Dharmendra Patel	Chairman, Board of Studies in Computer Science and Applications	Member
Dr. Dhruv Dave	Chairman, Board of Studies in Physiotherapy	Member
Dr. Anil Sharma	Chairman, Board of Studies in Nursing	Member
Dr. Karan Morje	Chairman, Board of Studies in Operation Theatre and Anesthesia Technology	Member
Mr. Jaydevsinh Pargara	Chairman, Board of Studies in Optometry	Member
Mrs. Dolly Sharma	Chairman, Board of Studies in Medical Radiology and Imaging Technology	Member
Dr. Dhara Patel	Chairman, Board of Studies in Medical Laboratory Technology	Member
Dr. Trushit Upadhyay	Principal, CSPIT	Member
Dr. Amit Nayak	Principal, DEPSTAR	Member
Dr. M. Balaganapathy	Principal, ARIP	Member
Dr. Anil Sharma	Principal, MTIN	Member
Dr. Hemant Kumar	Principal, BDIPS	Member
Dr. Binit Patel	Principal, IIIM	Member
Dr. Manan Raval	Principal, RPCP	Member
Dr. Dharmendra Patel	Principal, CMPICA	Member

Dr. Nikita Bhatt	HOD, CE, CSPIT	Member
Dr. V. R. Panchal	HOD, CL, CSPIT	Member
Dr. Vijay Chaudhari	HOD, ME, CSPIT	Member
Dr. Parth Shah	HOD, IT, CSPIT	Member
Dr. Upesh Patel	HOD, EC, CSPIT	Member
Mr. Nilay Patel	HOD, EE, CSPIT	Member
Dr. Nirav Bhatt	HOD, AIML, CSPIT	Member
Dr. M C Patel	Secretary, Kelavani Mandal, Eminent Academician	Invitee
Dr. Mukesh Patel	Eminent Person	Invitee
Dr. Datta Madamwar	Eminent Person	Invitee
Dr. Manjunath Prabhu	Eminent Person	Invitee
Dr. Ritesh Patel	Academician	Invitee
Dr. Abhilash Shukla	Academician	Invitee
Dr. Samir Patel	OBE Coordinator	Invitee
Dr. Manan Raval	NEP Coordinator	Invitee
Dr. Atul Patel	Registrar	Member Secretary

#### Research Council (RC): 2017-22

Name	Designation	
Dr. R. V. Upadhyay	Provost	Chairman
Dr. C. K. Sumesh	Dean, Faculty of Applied Sciences	Member
Dr. Amit Gantara	Dean, FTE	Member
Dr. Bhaskar Pandya	Dean, Faculty of Management Studies	Member
Dr. Atul Patel	Dean, Faculty of Computer Application	Member
Dr. Mayur Sutaria	Coordinator, IQAC	Member
Dr. Manan Raval	I/c Dean, Faculty of Pharmacy	Member
Dr. Balaganapathy	I/c Dean, Faculty of Medical Sciences	Member
Dr. Kinnari Parekh	Head, KRADLE	Member
Dr. R. M Patel	Professor & Head, CPP	Member
Dr. A.D.Patel	Principal, CSPIT	Member
Dr. A. B. Patel	HOD Maths dept., PDPIAS	Member
Dr. Anil Sharma	I/c Principal, MTIN	Member
Dr. Darshan Patel	I/c Principal, CIPS	Member
Dr. Ritesh Patel	HOD, CE dept.,CSPIT	Member
Dr. Parth Shah	HOD, IT dept.,CSPIT	Member
Dr. Kartik Pandya	Professor, EE dept.,CSPIT	Member
Dr. Vijay Chaudhary	HOD, Mech dept., CSPIT	Member
Dr. Vijay Panchal	HOD, Civil dept., CSPIT	Member
Dr. Trushit Upadhyaya	HOD, EC dept., CSPIT	Member
Dr. Palash Mandal	Associate Professor, PDPIAS	Member
Dr. J. P. Chaudhary	Associate Professor, CSRTC	Member
Dr. Rashmin Patel	Associate Professor, RPCP	Member
Dr. Devang Joshi	Registrar	Member Secretary

## **Finance Committee**

Name	Position in Committee
Dr. R. V. Upadhyay, Provost, CHARUSAT	Chairman
Shri Kiranbhai Patel (Comfy)	Member
Shri Girishbhai C. Patel (Treasurer-Ex-Officio)	Member
Shri Manubhai Patel	Member
Shri Kaushikbhai Patel (C.A)	Member
Mr. Ravi Shah (C.A)	Member
Dr. R. M. Patel	Member
Shri N M Patel	Member
Shri Ashokbhai Patel	Member
Mr. Bhavdip Patel	Member
Dr. Atul Patel Registrar, CHARUSAT	Member Secretary



## Annual Report 2022-23

**Part 2**  
The Year at a Glance  
Details of different Activities

# The Year at a Glance: 2022-23



I strongly believe that an Institution is always as good as the people who work in it. Hence, CHARUSAT practices people first approach - be it Staff, Students, Parents or Patrons.

*Dr. Atul Patel  
Registrar, CHARUSAT*

Dear All,

Greetings!

The operational system of various fields has continued to evolve and adapt to the new-normal, as seen in the academic year 2022-23. The society has continued to face the consequences of the pandemic, but it has also nurtured and sharpened the creativity and problem-solving skills of people.

This Annual Report showcases how the organization has continued to adapt and innovate to navigate through the challenges caused and created by effects of the pandemic. Despite the obstacles, the organization has achieved significant milestones and made notable progress in various areas. The report also sheds light on the future plans and strategies of the organization to further enhance its services and achieve its goals.

The journey of CHARUSAT during the year 2022-23 was proliferating. The institution made significant strides in its pursuit of excellence in education, research, and innovation. We feel privileged to share a glimpse of the achievements, initiatives, and events and activities that have taken place in the past year.

## Preamble

Education does not have a single purpose; it serves multiple objectives. It is a solution; a

solution to all problems – be them social, economic, political, technological, or cultural. Knowledge and Skills play a pivotal role in shaping economic growth and ensuring social transformation and empowerment of people.

Knowledge, primarily, has to do with education, research, and innovation that shape the future of societies across the world. Importantly, now Technology is at the core in teaching – learning process in higher education. Higher Education in India has a long history stretching back to the ancient urban centers of learning at Takshashila and Nalanda. The pace of growth of higher education institutions was very slow during the period from 1857 until India got independence in 1947. However, post-independence, the institutes of higher learning and universities have flourished in India making the Indian Higher Education System one of the largest ones.

**The Times Higher Education World University Rankings 2023** include 1,799 universities across 104 countries and regions, making them the largest and most diverse university rankings to date. It is based on 13 carefully calibrated performance indicators that measure an institution's performance across four areas: teaching, research, knowledge transfer, and international outlook. This year's ranking analysed over 121 million citations across more

than 15.5 million research publications and included survey responses from 40,000 scholars globally. Overall, it collected over 680,000 datapoints from more than 2,500 institutions that submitted data. **The University of Oxford** tops the ranking for the seventh consecutive year. **Harvard University** remains in second place, but the **University of Cambridge** jumps from joint fifth last year to joint third. The highest new entry is Italy's **Humanitas University**, ranked in the 201-250 bracket. The US is the most-represented country overall, with 177 institutions, and also the most represented in the top 200 (58). Mainland China now has the fourth-highest number of institutions in the top 200 (11, compared with 10 last year), having overtaken Australia, which has dropped to fifth (joint with the Netherlands). Five countries enter the ranking for the first time – all of them in Africa (Zambia, Namibia, Mozambique, Zimbabwe and Mauritius). **Harvard** tops the teaching pillar, while **Oxford** leads the research pillar. Atop the international pillar is the **Macau University of Science and Technology**.

However, India, in particular, has been lagging far behind. However, the fact is that India is making rapid progress. Finally, now in India, Privatization has been looked upon as an opportunity for national development. Many not-for-profit organizations and corporates have already initiated the establishments of World Class Institutions. Many others have joined hands with the government. One such academic organization rapidly moving towards becoming a *World Class University (WCU)* is **Charotar University of Science and Technology (CHARUSAT)**.

CHARUSAT has been conceived by **Shri Charotar Moti Sattavis Patidar Kelavani Mandal**. Kelavani Mandal was established in 1994. It has been regarded as a not for profit premier education trust of India. It works with the mission of social upliftment through the spread of educational activities and a vision of providing world class education to the Students at their

doorsteps. Kelavani Mandal has a social lineage of more than 125 years from its parent organization *Shri Charotar Moti Sattavis Leuva Patidar Samaj-Matrusanstha* - known for its dynamic social revolution brought about by initiating Mass Marriages in the Patidar Community on a massive scale.

**Charotar University of Science and Technology (CHARUSAT)** is a premier institution established under the Gujarat Private University Act, 2009, with the aim of providing world-class education at the rural door-step. It is empowered to confer degrees under section 22 of the UGC Act, 1956. Currently, CHARUSAT comprises 7 faculties, 9 institutes, and 22 different centers and cells, offering 72 diverse undergraduate, postgraduate, and doctoral programs in Engineering and Technology, Pharmacy, Computer Applications, Management, Applied Sciences, Nursing, Physiotherapy, and other Paramedical Sciences. The institution boasts a student strength of more than 8800 and experienced faculties all under one roof.

The year 2016-17 was quite vivacious and chirpy with a lot of activities, initiatives and achievements. Following is a brief report of the academic, Co-curricular, research and Extra-curricular activities and accomplishments.

#### Synoptic View of the Year

- NAAC Peer Team visited CHARUSAT during July 07-09, 2022 for 2<sup>nd</sup> cycle assessment. CHARUSAT has secured Grade "A+" with an overall CGPA of 3.26. CHARUSAT is amongst top 100 universities of India and amongst top 5 universities in Gujarat. CHARUSAT has already been conferred the status of **Center of Excellence** by Government of Gujarat since January 2022. CHARUSAT has been ranked in the band of 151-200 in NIRF.

- CHARUSAT has been a Member of "United Nations Academic Impact (UNAI)" from May 16, 2022. It has been recognized as **Scientific and Industrial Research Organization (SIRO)** by DSIR in the second consecutive cycle. CHARUSAT has strengthened the implementation of paperless examination by owning the hardware and related technologies. This will facilitate in boosting the overall effectiveness of Outcome Based Education (OBE) at campus.
- In line with **NEP 2020**, CHARUSAT has already upgraded its syllabi and curricula in synchronization with the Industry needs. In this academic year, 70 new courses have been introduced at CHARUSAT. Similarly, 21 value added courses, imparting transferable and life skills, have been offered; which is 250% more than those offered in the previous year. In this academic year, so far 580 events including expert talks, student awareness camps and seminars, and symposiums were organized by for the development of students and faculty members
- In May 2022, Concrete Technology Laboratory of Civil Department, CSPIT has been accredited by NABL. Environment Engineering Laboratory had been already accredited by NABL since 2017. CHARUSAT has been recognized as Schedule I Environment Auditor by Gujarat Pollution Control Board (GPCB).
- Research and innovation are constantly encouraged by CHARUSAT. CHARUSAT has been providing the students and the Faculty Members with ample opportunities and support for the same. At present, 383 research scholars are pursuing the Ph. D program at CHARUSAT and 27 Ph. D degrees were awarded in the 12th convocation held on January 13, 2023. In the last one year, 30 faculty members have received funding worth more than INR 1 Crore for research and development. In the calendar year 2022, more than 300 research papers were published by students and faculty members in the Scopus and Web of Science indexed journals. Around 150 papers have been presented in national and international conferences. Faculty members have published 70 books/ book chapters in the renowned publications. As far as events are concerned, a total of 580 events including expert talks, student awareness camps and seminars, and symposiums were organized which included 210 from CSPIT, 86 from MTIN, and 75 from DEPSTAR. Fourteen Endowment Chair Lecture Series were organized by institutes.
- It is noteworthy here that **8 patent applications** were made during this period. However, only 5 out of these applications have been published so far. Among the published patents, only 2 have been granted as of now.
- To nurture entrepreneurship and innovations amongst the students, teachers and community at large, **CHARUSAT Innovative Venture Foundation (CIVF)** a Section-8 Company has been established. CHARUSAT has also launched a policy to extend infrastructural support to new enterprises being set up in campus. Facilitating the commercialization of Intellectual properties of CHARUSAT for solving industrial problems, Patent Commercialization Project has been launched by bringing the 02 most experienced organizations on board with us i.e. PatentWire Consultants Pvt. Ltd.,

New Delhi and NRDC (National Research Development Corporation), Govt. of India

- National and International visibility of the University has been reflected in the growing number of other state students and students from outside India. At present, **186 foreign students from 21 countries** namely Gambia, Ivory Coast, Iran, Kenya, Nepal, Nigeria, Myanmar, Sri Lanka, Swaziland, South Sudan, Tanzania, Zambia, Zimbabwe, to name a few are pursuing their education at CHARUSAT.

### **Extension and Outreach Activities**

The constituent institutes of the university actively engaged in 101 extension and outreach programs through various initiatives under NSS, NCC, Red Cross, and collaborations with industry, community, and NGOs. These programs encompassed a wide range of activities including environment conservation, skill and personality development workshops, expert sessions on yoga, International Yoga Day celebrations, quiz competitions, emotional intelligence workshops, tree plantation drives, awareness campaigns on issues like Swachh Bharat, AIDS awareness, gender issues, as well as cultural and educational events. More than 2040 students participated enthusiastically in these extension activities and contributed to community welfare and fostering a spirit of social responsibility.

### **Professional Development and Administrative Training Programs**

During the year, 70+ professional development and administrative training programs were organized for teaching and non-teaching staff members. These programs covered a wide range of topics, such as expert sessions on 'Meditation Reduces Discrimination' and 'Application of CFD in Fluid Flow and Heat Transfer Problems', industry visits to Suryadeep Alloy Steels Castings and Shree Vallabh Alloy Steel Castings, as well as to Precision Bearings Pvt. Ltd. and Amul Chocolate plant. There were also specialized

training sessions such as a one-week Faculty Development Program (FDP) on 'Curriculum Design for Outcome-Based Education', workshops on "LaTeX" and "Fusion 360," and seminars on Artificial Intelligence, Machine Learning, and Deep Learning. The university also hosted the 4th International Conference on Soft Computing and its Engineering Applications, hackathon, and a variety of webinars, expert talks, and panel discussions on topics ranging from Intellectual Property Rights to Python programming for Data Science.

### **Consultancy and Corporate Trainings**

During the year, the university generated a total of INR 65 lakhs from various consultancy and corporate training. These encompassed a wide range of services and expertise, including the development of an Augmented Reality-based Load Bank Training and Customer Support Application, lyophilized product development, cell line studies, formulation development, and the separation of compounds by flash chromatography. Additionally, the university provided consultancy services through its Concrete Technology and Environmental Engineering Laboratories, contributed to eGovernance Education ERP, and supported the WASH program in schools and communities of CEE. Other notable consultancy projects included PGP activity reports for individual bacteria in complex consortia, the use of XRD, SEM, Rheometer, TGA/DSC, FTIR, DLS, UV-VIS Spectrophotometer, VSM, and Four ball tester for measuring outside samples. Custom magnetic fluid supplies were provided to IIT Guwahati and Khalifa University. The university also conducted an IRMA KAP Survey, hosted Prabandhan 2022, and provided test venue infrastructure for online exams, including NEET PG.

### **Scholarships and Schemes for the Students**

During the year, a significant number of students at the university have benefited from scholarships and freeships provided by various governmental, institutional, and non-

governmental organizations (NGOs). These financial aids have been crucial in supporting the academic journeys of our students, enabling them to pursue their studies without the burden of financial constraints. The details are as follows:

- 1,762 students have benefited from scholarships and freeships provided by various governmental schemes, amounting to a total of ₹164,074,967. The government schemes that have provided this support include the Mukhyamantri Yuva Swavalamban Yojana (MYSY), PM-YASAVI Post Matric Scholarship for OBC, EBC, and DNT Students (SEBC), Post Matric Scholarship for Girls (for those with an annual family income exceeding ₹2.50 lakhs) (Freeship Card/Medical Loan Student Only) ST, SC Freeship Card (BCK-6.1) Post Metric, SEBC-BCK-325 Educational Assistance for (NTDNT), SHODH Scholarship Scheme of GOG, and the Umbrella Scheme for Education of ST Students Post Matric Scholarship (Freeship Card/Medical Loan Student Only) ST.
- total of 1,737 students benefited from various scholarship schemes provided by the University itself, with a cumulative amount of ₹62,119,850 distributed among them. The schemes included the CHAMOS CHARUSAT M-C-M Scholarship, the CHARUSAT COVID-19 Scholarship, the CHARUSAT Employees Scholarship Scheme, the CHARUSAT Foreign Merit Scholarship. Additionally, the CHARUSAT Non-GPAT Scholarship, Project Fellowship Scholarship, Shodh Scholarship Scheme, Special Scholarship, etc.
- In addition to this, 21 students benefited from other scholarships provided by non-government agencies, amounting to a total of ₹526,000. These scholarships were part of the Alumni Association Scholarship Fund, the Late Maniben Shankarbhai Patel

Scholarship, the Late Shankarbhai Chhaganbhai Patel Scholarship, the Prof. S G Shah Scholarship, the Umedbhai Dharamdas Patel (Nar) Charitable Trust Scholarship, and the Urmil & Mayuri Desai Family Trust Scholarship.

### **Students' Achievement in Sports and Cultural Events**

98 students did outstanding performance in sports and cultural activities, winning awards and medals across 22 events at inter-university, state, national, and international levels. Notable achievements include victories in the 13th Kudo National Tournament 2022-23, the 14th International Akshay Kumar KUDO Tournament 2022, and the ENERGY CUP 2023. Additionally, students excelled in the Azadi Ka Amrit Mahotsav Hackathon 2022, Khel Mahakumbh, Republic Day Camp 2023, and SMACKATHON. They also made significant marks at the National Youth Parliament Festival at the district level in Porbandar, Charusat Foundation Day, and an E-poster making competition on Mental Health Day. Other noteworthy accomplishments were in the Inter College Physiotherapy Box-Cricket Tournament, various IPSL events, and Open Gujarat tournaments for football, chess, table tennis, and volleyball. Each award for team events was counted as one, underscoring the collaborative spirit and teamwork demonstrated by the students. These achievements reflect their dedication, talent, and versatility in both sports and cultural activities, bringing prestige and honor to the university.

### **Events Organized**

The constituent institutes of the university have organized a total of 177 events focused on capacity building and skills enhancement. These initiatives cover various areas including soft skills, language and communication skills, life skills (such as yoga, physical fitness, health, and hygiene), and awareness of trends in technology. Specifically, 528 students have participated in soft skills training programs, 222 in language and

communication skills programs, 786 in life skills training sessions, and an impressive 12,000 students have engaged in events aimed at raising awareness of trends in technology. These efforts show the university's commitment to enhancing the capabilities and skills of its students.

### **Financial Support to the Faculty Members**

During the year, the university provided financial support to 151 teachers to attend conferences and workshops. The total amount of financial support extended was 1,611,197. This initiative highlights the institution's commitment to the professional development of its faculty.

### **Academic System at CHARUSAT**

CHARUSAT curriculum and pedagogy correspond with the industry needs and aspire to reach International Standards. It strives to prepare students for diverse and interdependent global competitive world. Academic System at CHARUSAT ensures that academics value the pursuit of excellence in teaching as much as in scholarship and research. In addition to regular classroom interactions, Industrial Visits, Study Tours, Expert Lectures, Interactive IT enabled Teaching Practice and Continuous Evaluation also form an integral part of innovative pedagogy at CHARUSAT. Further, all education programs are semester based. Learning is based on Credit System and evaluation on Grading System. A student needs to study sincerely all through the course to get a good Cumulative Grade Point Average (CGPA). Further, Choice Based Credit System and Relative Grading System have also been implemented.

### **Programs**

CHARUSAT has offered total 57 under graduate and postgraduate programs during the year 2022-23 their details are given below:

Sr. No.	Program Name
1	B. Tech (Mechanical Engineering)

2	M. Tech in Mechanical Engineering (Advanced Manufacturing Technology)
3	M. Tech in Mechanical Engineering (Thermal Engineering)
4	B. Tech (Civil Engineering)
5	M. Tech in Civil Engineering (Structural Engineering)
6	B. Tech (Computer Engineering)
7	M. Tech (Computer Engineering)
8	B. Tech (Information Technology)
9	Post Graduate Diploma in Cyber Security
10	B. Tech (Electronics and Communication Engineering)
11	B. Tech (Electrical Engineering)
1	B. Tech (Computer Science Engineering)
13	B. Tech (Artificial Intelligence & Machine Learning)
14	B. Pharm
15	M. Pharm (Pharmaceutical Technology)
16	M. Pharm (Pharmaceutical Quality Assurance)
17	M. Pharm (Pharmacy Practice)
18	M. Pharm (Regulatory Affairs)
19	M. Pharm (Pharmacology)
20	Bachelor of Computer Applications (BCA)
21	B.Sc. in Information Technology (B.Sc. IT)
22	Master of Computer Applications (MCA)
23	Master of Science in Information Technology (M.Sc.IT)
24	Bachelor of Business Administration (BBA)
25	Master of Business Administration (MBA)
26	BBA (Business Analytics)
27	BBA (Entrepreneurship & New Venture Management)
28	B.Sc. (Biotechnology)
29	B.Sc. (Microbiology)

30	B.Sc. (Biochemistry)
31	M.Sc. (Biotechnology)
32	M.Sc. (Biochemistry)
33	M.Sc. (Microbiology)
34	M. Sc. (Advanced Organic Chemistry)
35	M.Sc. (Physics)
36	MSc (Mathematics)
37	Bachelor of Physiotherapy (BPT)
38	Master of Physiotherapy (Musculoskeletal Sciences) [MPT_MS]
39	Master of Physiotherapy (Neurological Sciences) [MPT_NS]
40	Master of Physiotherapy (Cardiopulmonary Sciences) [MPT_CS]
41	Master of Physiotherapy (Paediatric) [MPT_PA]
44	Master of Physiotherapy (Rehabilitation) [MPT_RE]
45	B. Sc (Nursing)
46	M. Sc in Nursing (Medical surgical Nursing)
47	M. Sc in Nursing (Obstetric and Gynaecological Nursing)
48	M. Sc in Nursing (Child Health Nursing)
49	M. Sc in Nursing (Community Health Nursing)
50	M. Sc in Nursing (Mental Health Nursing)
51	Bachelor of Science in Medical Imaging Technology [BMIT]
52	Bachelor of Science in Operation Theater and Anesthesia Technology [BOTAT]
53	Bachelor of Optometry [BOP]
54	Bachelor of Science in Medical Technology (Medical Laboratory Technology) [BSMT (MLT)]
55	Master of Science in Medical Laboratory Technology [MSMLT]
56	Master of Science in Medical Imaging Technology (MSMIT)
57	Post Graduate Diploma in Clinical Hypnosis (PGDCH)

Additionally, the university offered PhD programs in the following areas: Faculty of Computer Sciences, Faculty of Applied Sciences, Faculty of Medical Sciences, Faculty of Management of Studies, and Faculty of Technology and Engineering i.e. Computer Science, Computer Engineering, Information Technology, Electronics and Communication, Electrical Engineering, Civil Engineering, and Mechanical Engineering.

### Research Projects

In total, 16 departments of the university have received recognitions totaling 322.6 lakhs from national and international agencies for 2022–2023 in the areas of UGC-SAP, CAS, DST-FIST, DBT, and ICSSR.

During the 2022–2023 academic year, the University will receive grants totaling 319.07 lakhs from non-governmental sources, including industry, corporate houses, and international entities for research initiatives, endowments, and chairs.

In total, government entities have supported eight grants totaling 299.89 lakhs for research initiatives during the past five years.

A total of 12 research projects totaling 618.96 lakhs were sponsored by government and non-government organizations for each teacher during the year.

### Research Patent

During the year 2022-23, in total, five patents were awarded to the faculty members of the university, showcasing University's research and development across diverse fields including antimicrobial agents, antenna technology, pharmaceuticals, and chemical derivatives. Overall, the patents highlight CHARUSAT's growing contributions to global innovation, particularly in applied sciences, healthcare and technology sectors. The details are as follows:

Name of the Researchers	Title of the patent
Dr. Atanu Banerjee and Team	Antimicrobial agent and method of preparing the same
Dr. Trushit Upadhyaya and Team	Antenna
Patel Gayatri Chhaganbhai; Malaviya Manali Manubhai; Patel Akash Rajendrakumar; Navadiya Brijesh Vallabhbhai	Solubilizing compositions of atorvastatin calcium
Dijitkumar Mahendrabhai Patel; Mehdihasan Ijmahmmad Shekh; Kaushal Pralhadbhai Patel; Rajnikant Muljibhai Patel	Novel acrylic derivatives of 4-chloro-3,5-dimethylphenol and its homo and copolymers"
Rashmin Patel, Mrunali Patel, Vikas Agrawal	A novel microemulsion formulation of triazole antifungal drug

## Research Papers

During the year 2022-23, faculty members made significant academic contributions, publishing a total of 343 research papers in journals recognized on the University Grants Commission (UGC) website. This impressive output reflects the faculty's dedication to advancing knowledge across various disciplines and their commitment to high standards of academic excellence. By disseminating their research findings through reputable and UGC-notified journals, the faculty members have enhanced the institution's academic reputation and contributed to the global body of scholarly work.

## Conference Proceedings, Books, Book Chapter

During the academic year 2022-23, in total, 23 papers were published in conference

proceedings, underscoring their active participation in both national and international seminars and conferences. Additionally, faculty members contributed significantly to research publication by publishing 19 books and 48 chapters in edited volumes. Notably, these books and chapters were published with prestigious publishers, including Pearson, Taylor & Francis Group, EMESS Medical Publishers, GRIN Verlag, Springer Nature, and Elsevier, etc.

## Faculty Achievement

A number of international, national, and state awards, including those for Best Scientific Paper, Best Clinical, Silver, Best Research Paper (Life Sciences), Best Research Paper (Physical Sciences), Young Researcher, Reviewer, and many more, have been given to 25 faculty members at the university. These agencies include Elsevier, Indian Institute of Information Technology Kota, California State University, USA, IEEE Mangalore Sub Section, University of Bahrain, College of Information Technology, Rajasthan Institute of Engineering and Technology, Jaipur, and many more agencies.

Furthermore, the university awarded Excellence in Research Awards to four of its faculty members.

## Awards, Honors, Recognitions, and Fellowships to the Faculty Members

In total, 63 faculty members have been received prestigious awards, honors, recognition, and fellowships from State, National, International level from Government/Govt. recognised bodies. These include accolades from SAEINDIA, MOUSER Electronics Ltd., Indian Institute of Information Technology Kota in collaboration with California State University, USA, IIT Delhi, SSIP under the government of Gujarat, Ministry of Education (GOI) along with AICTE and MOE Innovation Cell (GOI). Additionally, awards from AICTE, NPTEL - Swayam, Microsoft, IIT Madras, International Union For Quaternary Research (INQUA), Indian Pharmacological Society with

JSSAHER, Society of Pharmaceutical Education & Research [SPER], National Testing Agency (NTA), Indian National Science Academy, Indian Institute of Space Science and Technology (IIST), Adamas University, etc. These awards encompass a wide spectrum of disciplines, ranging from engineering and pharmaceutical sciences to nursing and physiotherapy, underscoring the diverse expertise and dedication of our faculty members.

### Awards for Research

In the academic year 2022-23, in total, 42 faculty members, research scholars, and students received numerous awards and recognitions across various fields. The awards span a wide range of categories including scientific paper presentations, research, innovation, and academic excellence. Notable achievements include:

- Kinnari Parekh from PDPIAS demonstrated a Peltier effect-based liquid cooling innovation, recognized by Yuvalay e-Lab and M.S. University, Baroda.
- Several faculty members from ARIP, including Dr. Sweni Shah, Dr. Vidhi Thakar, and others, received Best Scientific Paper awards from various organizations such as R.K. University and The Indian Association of Physiotherapists.
- Students from multiple institutes won awards at events like Maker Fest and Footprints 2023, showcasing their innovative projects and ideas.

This impressive list of achievements highlights our institution's dedication to fostering innovation, encouraging research, and promoting academic excellence among its faculty and students.

### Major Achievements

#### "Excellence Recognized: CHARUSAT Achieves 'A+' Grade in NAAC Accreditation"

Charotar University of Science and Technology (CHARUSAT) has added another feather to its cap by securing an "A+" grade in the second cycle of accreditation by the National Assessment and Accreditation Council (NAAC). This achievement is particularly noteworthy as CHARUSAT was the first private university to be awarded an "A" grade in the initial cycle of NAAC accreditation in 2016. The university has scored a 3.26 CGPA.

The attainment of a higher grading in the national-level accreditation by NAAC has further strengthened CHARUSAT's commitment to becoming a world-class university, as emphasized by Shri. Surendra Patel, President of CHARUSAT, highlighting the university's focus on quality academic and research activities.

It is noteworthy that CHARUSAT has been declared **Centre of Excellence** by Govt. of Gujarat this year.

#### 'Centre of Excellence' Notification by Government of Gujarat

In the year 2021 CHARUSAT has been awarded formal approval as 'Centre of Excellence'. Honourable Chief Minister Shri Bhupendra Patel has handed over the letter of "Center of Excellence", to Dr. R V Upadhyay, Provost, CHARUSAT at Vibrant Gujarat Summit 2022 at Science City, Ahmedabad. Subsequently it was notified in 2023 in Government of Gujarat Gazette.

#### CHARUSAT Team OJASWAT Event of SUPRA SAEINDIA 2022

Every year, CHARUSAT students participate in the Formula Racing Car Competition at National and International Level. They themselves design and prepare the car. Team OJASWAT Motorsports participated in SUPRA SAEINDIA in August 2022 at Buddha International Circuit, Greater Noida, Delhi. There were total 52 teams from the Country, where Team OJASWAT Motorsports was

the only representing team from Gujarat State, and from all these teams only 17 Teams completed Technical Inspection, Egress Test, Tilt Test. From these 17 teams only 13 Teams competed in Autocross, Acceleration and Skid Pad and Endurance Events and among them only four Teams completed Endurance event. Nevertheless, Team OJASWAT Motorsports secured 6th position in Business Presentation Event, 8th position in Skid pad and EES event, 11th position in Acceleration Event, 9th position in Design Presentation Event, 19th position in Cost Presentation Event and Overall 9th position among all 52 teams across India. Faculty Advisor Anand P Patel has been awarded with Dronacharya Award for mentoring his OJASWAT MOTORSPOORTS in real deserving moment as a Debut

### **1st rank in the Azadi Ka Amrit Mahotsav state level hackathon**

Hackathon Participants from Chandubhai S Patel Institute of Technology, Charusat, won Top Prize with Project "ekAyana" at Azadi ka Amrit Mahotsav Hackathon, SSIP Gujarat. The final round of the Azadi ka Amrit Mahotsav Hackathon was held on 10th and 11th February 2023 at Anant National University Ahmedabad. The project "ekAyana" is a meeting management web application designed to cater to the needs of government organizations. "ekAyana" provides a platform for creating agendas, sharing documents, recording minutes of the meeting, and managing venues. The application also has a module for inviting officials and displaying discussion agendas, providing a seamless collaboration between participants during the meeting through its document sharing module. The search functionality of the application provides easy access to all relevant information about previously held meetings, their minutes, agendas, and relevant documents. The officials attending the meeting can approve agendas and minutes of meetings, ensuring transparency and accountability.

### **Unique Initiatives**

#### **MoUs**

During the academic year 2022-23, the university actively engaged in fostering academic and professional collaborations under 46 functional Memorandums of Understanding (MoUs) with prestigious institutions and industries both in India and abroad. These MoUs encompassed a broad spectrum of activities including internships, on-the-job training, project work, student and faculty exchanges, and collaborative research initiatives. Partnerships were established with organizations such as GESIA, Kodiak Networks India Private Limited, Edunet Foundation, Bhaikaka University, Infopercept Consulting Pvt. Ltd., University of Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria, Margin Impex Pvt Ltd, Cipriani Harrison Valves Pvt. Ltd., MG Motor India Pvt Ltd including their MG Nurture Program, Assumption University in Thailand, Universitas Sumatera Utara in Medan, Indonesia, Vidya Wires Pvt. Ltd., NJ India Invest Pvt. Ltd., Acorn Universal Consultancy LLP, BSE Investor Protection Fund, Sheth HJ Mahagujarat Hospital, J.S. Ayurveda Mahavidyalaya, DDMM Heart Institute, Health Center Anand, Santram Physiotherapy Center, Shivam Orthopaedic Hospital, PatentWire Consultant Pvt. Ltd. in New Delhi, National Research Development Corporation under the Ministry of Science and Technology, Government of India, Laja-a Women Forum, 100X.VC in Mumbai, Charotar University of Science and Technology in Changa, AIC RAISE Business Incubator in Hyderabad, Sharda Social Welfare Trust in Nadiad, Narayan Hrudayalaya, Anand Surgical Hospital in Ahmedabad, Amerise Pharmaceuticals Pvt. Ltd., Apnar Pharma Pvt. Ltd. in Vadodara, Zydus Lifesciences Ltd. (Cadila Healthcare Ltd.), Zycie Technolegal LLP, Muljibhai Patel Urological Hospital, Amanta Healthcare Ltd, Slovak Academy of Sciences, N.D Desai Faculty of Medical Sciences & Research, and Medical Care Centre Trust (MCCT). These collaborations signify the university's commitment to enhancing educational

opportunities, promoting research excellence, and fostering global perspectives within its academic community.

Prominent MoUs of the year

### **1. National Research Development Corporation (NRDC), Govt. of India**

A Memorandum of Understanding (MoU) has been signed between CHARUSAT and National Research Development Corporation (NRDC), an Enterprise of Department of Scientific and Industrial Research (DSIR), Ministry of Science & Technology, Government of India. The NRDC was established in India in 1953 to help develop and promote technologies developed at various national R&D institutions. Thus, having more than 69 years of experience in technology transfer, makes them a perfect fit for us. The objective of the MoU is the promotion, development, licensing and commercial exploitation of indigenous technologies, know-hows and inventions, including the technical and engineering know-how generated by CHARUSAT University.

### **2. MoU with Viitor Cloud Technology**

Devang Patel Institute of Advance Technology and Research (DEPSTAR), a constituent of Charotar University of Science and Technology, CHARUSAT signed an MoU on 26th November, 2022 with Viitor Cloud Technologies Pvt. Ltd., Ahmedabad, a leading software organization that specializes in emerging technologies such as Block chain, AI/ML, IOT, Cloud Tech, AR/VR and Data Analytics. The aim of the collaboration is skill development through Resource Sharing, Joint Research, and Organization of Conferences, Workshops, and Seminars. It also focuses on human resource development through expert lectures, student internships, training, placement soft skill seminars, workshops, Faculty Development Programmes and upgradation of curriculum. It will help the students to be "Industry Ready and Job Ready" with complete Placement Assistance. Viitor Cloud Technologies and CHARUSAT shall jointly work on government funded research projects. This collaboration shall

help CHARUSAT for setting up a Center of Excellence and Technology-based Incubation Center at CHARUSAT to create an ecosystem for entrepreneurs. Mr. Vishal Raj Purohit, Chief Executive Officer and Mr. Vishal Patel, Vice President- Technology of Viitor Cloud, remained present during the occasion. On the other hand, from CHARUSAT, Shri Ashok R. Patel, Vice President - Kelavani Mandal, Madhu Patel, Joint Secretary - Kelavani Mandal and Shri C A Patel, Vice President, Kelavani Mandal graced the occasion. Further, Dr. B. G. Patel, Advisor, Dr. R. V. Upadhyay, Provost, Dr. Y. P. Kosta, Principal, CSPIT and DEPSTAR, and heads of the departments of various departments of DEPSTAR and CSPIT remained present during the ceremony. Dr. R V Upadhyay congratulated the team DEPSTAR. Shri Ashok Patel has shown confidence in this collaboration and shared that this will achieve greater heights in a variety of domains of science and engineering.

### **3. MoU with Disha Counselors LLP & CHARUAST**

CHARUSAT signed an MoU with Disha Counselors LLP, Ahmedabad with an aim to develop a centre at CHARUSAT campus to provide higher education counselling service to the students. The MoU was signed on 30<sup>th</sup> March, 2023 at Changa for a duration of 3 years. CHARUSAT is NAAC 'A+' graded university established in Changa, Gujarat. Whereas, Disha Counselors LLP is a leading study abroad consultancy firm with offices in Ahmedabad and Vadodara. From CHARUSAT, Provost Dr. R. V. Upadhyay, Registrar Dr. Atul Patel, CDPC Head Dr. Ashwin Makwana and TPO Dr. Divyang Purohit were present. From Disha Counselors LLP, Directors Mr. Anuj Parikh and Mr. Steven Parikh and IELTS Trainer Mr. Shodhal Vaidya were present. With this collaboration, students of CHARUSAT will gain access to services related to study abroad within the campus. In addition, students will also benefit from an on-campus IELTS, PTE and GRE coaching services offered in collaboration with these two organizations. Through the network of Disha

Counselors LLP, students of CHARUSAT will find admission in one of the top universities in USA and Canada.

#### **4. NCI-UBA IIT nominated CHARUSAT Project for Unnati Mahotsav Project Expo**

CHARUSAT Project on Virtual Reality and Augmented Reality is nominated by IIT, Delhi during Unnati Mahotsav Project Expo from 17th March to 18th March at IIT, Delhi. UNNATI MAHOTSAV is a platform designed to ease communication/narrow the gap between the potential researcher & the experts in the concerned field. In the said event various technologies identified by Regional Coordinating Institutes at the "Tech4Seva-regional level" were showcased. CHARUSAT project is based on Virtual Reality and Augmented Reality has been selected among top 3 projects in Gujarat by NCI-UBA IIT. It was amazing experience to demonstrate in front of students, scholar, industry person and professors. The project was presented by Martin Parmar, Assistant Professor at computer engineering department, CHARUSAT who is principal investigator of project and ADITYA PATEL, student from 3rd year B. Tech Computer Engineering who has developed the project in virtual reality. There were two mode of presentation of project in expo. One had stall to demonstrate in open campus at IIT, Delhi. Students, scholars and industry person had used VR headset to see the application. CHARUSAT received good number of positive response as well as appreciation to contribute volunteering in education. Second mode of presentation was in front of technology expert from various IITs and NITs professors and marked the project at national level.

#### **5. MoU between Confederation of Indian Industry and CHARUSAT**

The Confederation of Indian Industry renewed its MoU with CHARUSAT, its academic counterpart. The objectives of this MoU are as mentioned herewith: to Faculty and Student Development Program, to develop Industry Responsive

Curriculum through CII's representation on university's "Board of Studies", student Internships, creation of avenues for greater involvement of faculty with industry, exchange of staff between industry and academia, utilization of R&D facilities at the institute by the industry and involvement of industry in R&D, undertake research related to industry in collaboration with R&D department of industry, and to keep the industry informed about new discoveries/ developments and innovative scientific work being undertaken.

#### **6. MoU between ETS and CHARUSAT**

CHARUSAT has extended the efforts to assist and guide the students who want to appear to competitive exams and educational tests by signing an MoU with ETS India Private Limited. ETS India is engaged in the business of private educational testing and measurement organization and administering tests like TOEFL, TOEIC, GRE and Praxis tests. This collaboration will benefit the CHARUSAT students for training and testing of the tests mentioned above.

#### **7. Tieup with Airlines**

CHARUSAT has tied up with a few Airlines to avail of its Corporate Benefits, Side by side, to look after the travel needs, CHARUSAT has also appointed an Anand based travel agent called Vee Cee Travels who will take care of all travel related queries - be it international, domestic, visas and foreign exchange.

#### **Sponsorship for Innovative Medical Devices to the faculty of medical sciences**

USA Based "NSV a medical device manufacturing company which invented many devices are sponsoring two medical devices to CHARUSAT with a course for detection of diseases. The use of devices will help in detecting and diagnosing disease earlier, improving patients' outcome. Both the devices are portable and by which nursing and para-medical students and faculties will be trained to reach-out to common people of the nearby region of CHARUSAT.

NSV will provide training and technical support to the Students and faculties to conduct up to 12 screening camps for a three year's period. The module will be providing all clinical help when on-patient training is required. All the devices will be easy to use and will be supported for 3 years. It will generate skilled manpower which will help in better diagnosis and improve patient's outcome.

CHARUSAT is optimistic that by June, 2023 onward may be able to start with a faculty development program for getting familiar with the equipment.

CHARUSAT is thankful to Dr. Kalpendu Shastri & Family (USA) for their steady and wholehearted support by sponsoring the nCardio and nGyn program to the faculty of Medical Sciences of CHARUSAT.

### **Germany based Bayer Company's Scientist Visited CHARUSAT**

Dr. Heemanshu Patel, Global Innovation & Collaboration lead at Bayer Crop Science Company, visited CHARUSAT in Germany, where he interacted with students and faculty members, sharing his research journey and insights on meeting industry expectations. He discussed the initial struggles of working in research and stressed the importance of formulations in achieving success at Bayer Crop. Dr. Patel also offered individual guidance to selected students and faculty, expressing his support for their research proposals and willingness to participate in training and lecture programs. He visited the institute's laboratories and expressed satisfaction with the facilities, and also explored the possibility of an endowment chair at CHARUSAT.

### **Entrepreneurship International Business Plan Championship at IIM Calcutta**

Indukaka Ipcowala Institute of Management (IIIM) - CHARUSAT, in partnership with Make intern & IIM Calcutta, conducted a training program called "International Business Plan Championship 2023" on February 16-17, 2023,

for BBA and MBA students. The training covered topics related to Business Plan Development and Business Analytics, delivered by Mr. Tushar Rungta. Such training helps students become employable in Business Analytics or establish their own venture. CHARUSAT's Startup and Innovation Center (CSIC) supports students in pursuing entrepreneurship training since 2014, contributing to the Start-up India and Aatmanirbhar Bharat Campaign of the Govt. of India. In total, 10800+ students have received training, and 389 innovative projects have been supported to develop their prototype under CSIC's guidance. This International Business Plan Championship is the 16<sup>th</sup> Business Plan Development activity of the center and the 142<sup>nd</sup> training event.

### **On-field Physiotherapy Service @ 15<sup>th</sup> Inter Circle Cricket Tournament Gujarat Energy Transmission Corporation (GETCo), Nadiad**

The Ashok & Rita Patel Institute of Physiotherapy took part in the 15th Inter Circle Cricket Tournament Gujarat Energy Transmission Corporation (GETCo) in Nadiad, held from 10th to 16th November 2022. The event aimed to provide on-field physiotherapy services to prevent and manage injuries related to cricket games during the tournament. The event was coordinated by Dr. P. Ratan Khuman, Head of Musculoskeletal Sciences Department, and involved two PG students and six UG students from the department. The program included pre-game preventive strategies, on-field injury management, and cool-down sessions post-game. The event aimed to raise awareness of the role of physiotherapy services in corporate culture populations and promote the ARIP and CHARUSAT brands to society. The players, umpire panel, organizers, and ground staffs received 320 on-field physiotherapy services, and the two PG students and six UG students gained practical exposure to on-field physiotherapy services.

## **Lalitaben Jasbhai Patel Obstetric and Gynecological Laboratory**

This newly built laboratory was constructed at a cost of 8.5 million rupees and has a total of 7 cabins, where the entire process, from pregnancy to childbirth, can be demonstrated to students. This laboratory will be useful for nursing students, midwives, and the faculty-staff of obstetrics, as it provides practical training. Various types of mannequins will be available in the laboratory to assist students in their clinical training. This lab will provide education on pregnancy and newborn care through various

modules such as antenatal, intranatal, postpartum periods, and evaluation of the value of pregnancy and childbirth through different perspectives. It will assist students in applying their theoretical knowledge in various clinical situations through hands-on scenarios, which will help them to handle unusual situations without putting patients at risk. It will also provide guidance to students to teach them how to handle certain uncommon situations without putting patients at risk. Additionally, the lab will help in training competent midwives who can handle clinical situations effectively.

## **Major Events**

### **12<sup>th</sup> Convocation**

The **12<sup>th</sup> Convocation of CHARUSAT** was held on 13<sup>th</sup> January, 2023. In all, 2558 students from 6 different faculties of CHARUSAT namely, Faculty of Technology and Engineering, Faculty of Computer Science and Applications, Faculty of Pharmacy, Faculty of Management Studies, Faculty of Applied Sciences, and Faculty of Medical Sciences were awarded with the degrees including 27 PhD Scholars. Importantly, 45 students with academic excellence were awarded with different Gold Medals. The occasion was graced by the presence of **Shri Ashok Patel, US based Technopreneur and Industrialist**. Details of the students who received Gold Medals are:

	Sr. No.	Name of Faculty	Name of Programme	Student ID	Student Name	CGPA	Name of Gold Medals
1	1	Faculty of Technology and Engineering	M. Tech (CL)	20PGCL006	PATEL VRUTIK MANOJBHAI	9.9	Manubhai Shivabhai Patel Gold Medal
	2		M. Tech (AMT)	20PGAMT005	SHAH JAIVIK HITESHKUMAR	9.14	Dr. A D Patel (BAKROL) Gold Medal
	3		M. Tech(CE)	20PGCE004	JAIN RINKAL RAJESHKUMAR	9.13	Sharad & Nila Patel (Narsanda/Anand) Gold Medal
	4		<b>Faculty Gold Medal (M. Tech)</b>	20PGTE001	JOSHI NISHITH CHETANKUMAR	9.91	Late Hasubhai P Patel Gold Medal
	5		B. Tech (ME)	18ME081	SHAH BONNY SUNILKUMAR	9.85	Chamos Matrusantha Gold Medal
	6		B. Tech (EC)	18EC039	KAHAR CHIRAG ALPESHKUMAR	9.85	Late Chanchalben S Patel (Khandhali/UK) Gold Medal

	7		B. Tech (CL)	18CL050	PATEL SHEEL PRAVINKUMAR	9.47	Shri Rajendra B Engineer Gold Medal
	8		B. Tech (EE)	18EE035	RIYA PATEL	9.78	Ramaben M Patel Gold Medal
	9		B. Tech (IT)	18IT036	GANDHI NIDHISH DIPENBHAI	9.73	Smt. Sumitraben C. Patel Gold Medal
	10		B. Tech (CE)	18CE043	HARDEV MUKESHBHAI KHANDHAR	9.92	Smt. Sumitraben C. Patel Gold Medal
	11		B.Tech(CE) (DEPSTAR)	18DCE109	BIRVA SHAH	9.69	Shri Maulin Girishbhai Vyas Gold Medal
	12		B.Tech(IT) (DEPSTAR)	18DIT020	PRINCESS KACHHADIYA	9.63	Shri Krunal Nileshbhai Patel Gold Medal
	13		B.Tech(CS) (DEPSTAR)	18DCS007	BARAD RUDRA ARVIND	9.79	Shri Mohit Harsadbhai Dave Gold Medal
	14		<b>Faculty Gold Medal (B. Tech)</b>	18CE043	HARDEV MUKESHBHAI KHANDHAR	9.92	Virchandbhai Ramdas Patel - Mahudha - Gold Medal
2	15	Faculty of Computer Science And Applications	BCA	19BCA027	PATEL DHVANI KALPESHKUMAR	9.82	Late Jayaben R.V. Patel Mahudha/V.V.Nagar Gold Medal
	16		BSC(IT)	19BSIT001	PATEL NISHI JIGNESHKUMAR	9.95	Lilaben Ramanbhai Patel (Chaklasi) Gold Medal
	17		M. Sc (IT)	20MSIT015	PAREKH BULBUL SUDHENDU	9.91	Smt. Harshaben Naginbhai Patel Gold Medal
	18		MCAL	20MCA135	VADERA KARTAVYA RAJESHKUMAR	9.98	Smt. Chandaben Mohanbhai Patel Gold Medal
3	19	Faculty of Pharmacy	B. Pharm	18BPH067	PATEL PRIYA DHIRUBHAI	8.77	Shri Ramanbhai B Patel Gold Medal
	20		M.PHARM(QA)	20MPHPQA006	PATEL MEGHANA NILESHBHAI	8.4	Shri Ramanbhai B Patel Gold Medal
	21		M.PHARM (RGA)	20MPHRGA013	RAMANI RIA VIJAY	8.08	Shri Ramanbhai B Patel Gold Medal

	22		M.PHARM(TCH)	20MPHTCH014	PATEL MEET JITENDRAKUMAR	8.08	Shri Ramanbhai B Patel Gold Medal
	23		<b>Faculty Gold Medal (M.Pharm)</b>	20MPHPCL002	CHAUHAN PRIYAL MAYANKBHAI	8.45	Shri Ramanbhai B Patel Gold Medal
4	24	Faculty of Sciences	B.Sc	19BSC114	SHAH SIDDHI JATINBHAI	9.81	Kamlaben Ratilal Amin, Vaso Gold Medal
	25		B. Sc (Physics)	19BSCP013	UPADHYE ARVIND V	9.8	CHARUSAT Gold Medal
	26		M. Sc (AOC)	20AOC051	SANGHANI ARJUN KISHORBHAI	9.87	Ratilal Laljibhai Amin, Vaso Gold Medal
	27		M. Sc (BT)	20BT015	PARIKH HIRAK SAMIR	9.57	Dr. B. H. Patel Gold Medal
	28		M. Sc (Phy.)	20PHY024	PATHAK VIVEK HIRDESH	9.94	Atulbhai Jethabhai Patel (Vadtal/USA) Gold Medal
	29		M. Sc (BC)	20BC008	JOSHI HEMALI JAYESHBHAI	9.03	Tapas Foundation Gold Medal
	30		M. Sc (MI)	20MI023	PAHILANI PAVAN M	9.74	CHARUSAT- DR. V G Patel Gold Medal
	31		<b>Faculty Gold Medal (MSC)</b>	20PHY024	PATHAK VIVEK HIRDESH	9.94	Shri P D Patel Gold Medal
5	32	Faculty of Management Studies	BBA	19BBA076	PATEL KRUTARTH BHAVANBHAI	9.3	Anitaben Devangbhai Patel IPCOWALA Gold Medal
	33		BBA(Female)	19BBA045	SWEETY VINOD MITHANI	9.06	Anitaben Devangbhai Patel IPCOWALA Gold Medal
	34		MBA(Female)	20MBA005	BHATT ANJALI AMIT	9.71	Sangitaben V Patel Gold Medal
	35		MBA	20MBA005	BHATT ANJALI AMIT	9.71	Shri Devang Patel (IPCOWALA) Gold Medal
6	36	Faculty of Medical Sciences	MPT(MS)	20MPTMS106	PATEL HEMALI MANOJKUMAR	9.31	Chunibhai Hathibhai Patel Gold Medal
	37		<b>Faculty Gold Medal (Medical Sciences- PG)</b>	20MNCH001	PATEL DHRUMINI PRAKASHCHANDRA	9.68	Shri Vinubhai Vaghjibhai Patel (Napad/Usa) Gold Medal

38		BSC(Nursing)	18BN004	DARJI JHANVI DILIPKUMAR	9.9	Late Hasubhai P Patel Gold Medal
39		BPT	17BPT046	PATEL MUKTI VIJAYKUMAR	8.8	Smt. Chanchalben Chunibhai Patel Gold Medal
40		BSMLT	19BSMT026	PANDIT ANSHUYA HARIKISHANBHAI	9.6	Maltiben C Patel Gold Medal
41		BMIT	18BMIT023	PATEL SHIVANGIBEN INDRAVADAN	9.42	Yashodhraben Vishnubhai Patel (Mahelav/Usa) Gold Medal
42		BOTAT	18BOTAT004	HEMADRI CHAUHAN	9.29	Kashiben Ambalal Patel (Malataj/ Ratlam) Gold Medal
43		MNCH	20MNCH001	PATEL DHRUMINI PRAKASHCHANDRA	9.68	Thakorbhai U G Patel (Sunav/UK) Gold Medal
44		<b>Faculty Gold Medal (Medical Sciences- UG)</b>	18BN004	DARJI JHANVI DILIPKUMAR	9.9	Smt. Anilaben (Benaben) Navnitbhai Patel (Ajarpura/Anand) Gold Medal
45		MSMLT	20MSMLT017	UKANI PRAGNA SHAILESBHAI	9.65	KASHIBEN AMBALAL PATEL (MALATAJ/ RATLAM) GOLD MEDAL

### Celebration of 23<sup>rd</sup> Foundation Day

23<sup>rd</sup> inception year of CHARUSAT CAMPUS, Changra was celebrated on January 28, 2023 - Friday by Shri Charotar Moti Sattavis Patidar Kelavani Mandal at Charotar University of Science and Technology. **Dr. Harish Patel, Reknowned Technocrat, USA** and Noble Philanthropist graced the occasion as **Chief Guest**. On this occasion 134 faculty members were awarded "Research Paper Award" and "Research Appreciation Award" for their outstanding research work.

### Prabandhan 2022

Indukaka Ipcowala Institute of Management organized a startup event to cultivate entrepreneurial skills among students –

Prabandhan 2022 – from 15-17 October, 2022. The students of the institute had first-hands on experience of managing business and learnt practical aspects of business principles. This expo had 44 Stalls Covering products like Apparels, Bags, Footwear, Pots & Gardening Items, Decorative Arts & Crafts, Gifting Items, Decorative Candles, Jewellery, Cosmetics, Home Furnishings & Floor Tiles, Wooden Decorative Art, Books, E-Bikes, Water Purification Technology, Office Automation, Electronic Appliances, Solar Lights, Diwali Lights, and Household Appliances and 11 stalls for Various Cuisines & Drinks.

## **A two-day National Conference on Nursing Research**

The Manikaka Topawala Institute of Nursing (MTIN) organized a two-day National Conference on Nursing Research- A Journey Towards Nurse Scientist on March 10 and 11, 2023, at the MTIN auditorium. The conference was jointly organized by MTIN and Nursing Research Society of India (NRSI) to discuss current trends and necessary skills for nursing research and encourage awareness about the use of artificial intelligence in healthcare and genomics in nursing.

## **CIIBVR-23: A national level conference**

BDIPS organized a national level conference on 2nd and 3rd March 2023 titled "Immunology, Infection, Biotechnology and Vaccine Research" (CIIBVR-23). CIIBVR-23 was organized in association with GSBTM & DST, CIIBVR-22 introduced a chapter of intellectual discussions and keynote talks from eminent researchers in the field of Immunology, Infection Biology & Vaccine Research with a motto to build intellectuals, provide exposure to current research in the respective fields and aware the masses regarding the intricacies of vaccine research. A vaccine has proved to be an integral part of survival, henceforth, receiving an extra from the experience of eminent researchers would enhance and enrich the understanding and importance of vaccine research. CIIBVR-23 continued the legacy of discussion on the current trends and research in immunology, infection biology and Vaccine Research, with a glimpse of paradigm shift in the research approach to encounter unprecedented upcoming zoonotic / Cross-kingdom/Idiopathic infections and the strategies to prepare the policies to standby the situations and strengthen the interdisciplinary approach to find the solutions.

## **A state level Two Days Workshop on "Separation, Isolation and identification of Phytochemicals"**

Ramanbhai Patel College of Pharmacy, Charotar University of Science and Technology, organized a state-level Two Days Workshop on "Separation,

Isolation and identification of Phytochemicals" from 24-25 January 2023. The aim of the workshop was to provide fundamental knowledge and hands-on exposure on conventional and newer techniques of separation and isolation of phytochemicals from medicinal plants. The workshop was financially supported by Gujarat State Biotechnology Mission (GSBTM). Resource persons conducted and demonstrated laboratory sessions, which were attended by participants from different pharmacy and science institutes. The participants were awarded certificates of participation and the workshop will enable them to carry out research on medicinal plants with more specific outcome-orientation.

## **Lecture series and hands on workshop arrangement at RPCP as a part of 5th CHARUSAT Endowment Chair Activity**

Ramanbhai Patel College of Pharmacy (RPCP), a constituent institute of Charotar University of Science and Technology (CHARUSAT) organized a CHARUSAT endowment chair, including lecture series and laboratory sessions. The event invited Prof. Kirti S. Laddha from the Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Mumbai, to conduct the sessions from 20th to 24th June 2022, providing an opportunity for faculty members, research scholars, and PG students to interact and gain solutions related to current research in phyto-pharmacy and herbal drugs technology. Around 90 participants from RPCP and other constituent institutes of CHARUSAT participated in the activity.

## **Celebration of IGNITE 2023**

Smt. Chandaben Mohanbhai Patel Institute of Computer Applications (CMPICA) organized "IGNITE - 2023", a National Level Computer Technocrats' Symposium on 21st January 2023. The event offered a platform for over 850 students from 20 undergraduate and postgraduate institutes across Gujarat to participate, compete and interact. IGNITE comprised various competitions, expert talks, and cultural events such as Codenigma, Kick & Climb,

DigiWeb, Project Expo, Instagram Influencer, and Ignite Got Talent. The event also marked the 21st Annual Day of CMPICA, during which the top three performers of each semester were awarded with cash prizes and certificates.

**Internal Quality Assurance Cell organized one-day symposium on 'Pedagogical Practices**

Charotar University of Science & Technology (CHARUSAT), Changa organized a one-day symposium on 'Pedagogical Practices: A key to Outcome Based Education' on 4th March. Dr. Anuradha Joshi, a creative pedagogist by passion, and a Professor of Pharmacology by profession graced the symposium as an expert resource person along with Dr. R V Upadhyay, Provost, CHARUSAT and Dr. Atul Patel, Registrar, CHARUSAT. Faculty members from various disciplines, including engineering, pharmacy, basic sciences, management, computer applications, and medical sciences shared and discussed innovative pedagogical practices they had developed over the years. Subsequently, the participants were engaged in active interaction to help them enhance the impact of their pedagogies. This initiative towards realizing the goals of NEP 2020, yielded encouraging feedback from the participants as well as the expert. CHARUSAT aims to disseminate the best practices identified through this event through future endeavours toward strengthening the teaching-learning process.

### **Community Awareness Program on Earthquake Mock-Drill by NDRF**

A Community Awareness Program on Earthquake Mock-Drill was organised by M. S. Patel Department of Civil Engineering under the aegis of "IAStructE Students' Chapter" and conducted by 6th Battalion of National Disaster Response Force, Vadodara on 17th April 2023.

The main objective of the earthquake mock drill was to prepare the staff and students with the necessary knowledge of how to react immediately and appropriately when an earthquake strikes, so that accidents and loss of lives can be significantly

reduced. The three hours' session was conducted by Deputy Commandant Shri Ajay Kumar Singh, Team Head Senior Inspector Dipak Bahu, Second in Command Inspector Kailash Batham along with a team of 17 Jawans.

Deputy Commandant Shri Ajay Kumar Singh started the session by introducing the NDRF. Team Head Senior Inspector Dipak Bahu then talked about the Do's and Don'ts of actions to be taken during an earthquake to protect the lives of people affected. He also discussed the precautionary measures to be taken to protect oneself from the heat stroke, as the temperature keeps rising during this summer. The NDRF jawans practically showed all the precautionary measures discussed by Mr. Dipak Bahu. Going a step further the NDRF team also taught the eager students the methods of conducting CPR. Second In Command Inspector Kailash Batham, expertly explained the nuances related to CPR, first aid to be given in case of injury and emergency kit to be prepared to prepare oneself in case of floods or other disasters. He was again supported by the NDRF Jawans who practically demonstrated the CPR methods on the dummies brought by them.

The session was attended by more than 130 students and 15 staff members. The participants appreciated the NDRF team for enthusiastically spreading the awareness on so many important topics.

### **STEM based training for the Skill Enhancement**

Smt. Chandaben Mohanbhai Patel Institute of Computer Applications (CMPICA), collaborated with ISTEM Collective Foundation and GTU to organize a 10-day certification programme on STEM-based Training for Skill Enhancement. The program, which was fully funded by TEERTH, KCG, aimed to enhance knowledge and skills in new-generation technologies like robotics, coding, 3D printing, and prototyping, among others. The programme included 60 hours of theoretical, practical, and hands-on experience, with sessions conducted by experts from ISTEM

collective Foundation on the unique coding platform STEMBOXIT. The training was attended by 40 participants, who actively participated and showed enthusiasm throughout the programme.

### **CIVF Sarathi Meet**

Charusat Innovative Ventures Foundation (CIVF) has successfully organized "CIVF SARATHI MEET", 2023 on 18th April, 23 where 41 Industrial Mentors, Advisors, and Investors with a capacity of 1.25 Cr./Start-up onboarded to CIVF. CIVF Directors- Ms. Madhuben Patel, Mr. Girish Patel, Dr. Atul Patel and Charusat Governing Body Member- Mr. Hemal Patel was the Guest of Honor who felicitated the Mentors/Advisors/Investors. Industrial Mentorship and Funding are two main ways to accelerate start-ups, thus CIVF is striving hard to create the ecosystem. It was a national-level event, where the industrial mentors came from Pune, Mumbai, Udaipur, Ahmedabad and several other cities. 15 women entrepreneurs from LAJA- A women's forum also participated with whom we have signed an MoU to promote women entrepreneurship. Industrial Mentors are from Pharmaceuticals, manufacturing, B2B, B2C, D2C, HealthTech, EdTech, SaaS, Nutraceuticals, E-commerce, food tech, FMCG, Cosmetics and several other sectors. Their diverse backgrounds bring a wealth of experience and expertise to the table. They are committed to sharing their knowledge and providing guidance to our startups, helping them overcome challenges and achieve their goals. CIVF is also striving to bridge the gap between industry and academia. If any of the institutes want to take the help of these industrial mentors, feel free to connect with us. The Meet was collaboratively organized and participated by CIVF, CSIC, ISC, IIIM Staff, HSS Staff, TNP, CDPC, UIIC, & IPR Cell.

### **Pramukh Swami Maharaj Endowment Lecture Series @ PDPIAS**

The Pramukh Swami Maharaj Endowment Lecture Series was organized in August-September 2022 under the auspices of PDPIAS. As part of the Chair activity, Professor- Dr. Ajim Premji, Honorary Scientist, National Center for Cell Science and Professor Dr. Yogesh Shouche from the School of Arts and Sciences of the University of Bangalore were present. Dr. Utpal S. Tatu from the Department of Biochemistry of the Indian Institute of Science in Bangalore, also gave a lecture. Both these eminent personalities of their field.

### **A workshop on Liberal Arts**

Every year at CHARUSAT University, a workshop on liberal arts is conducted for the ninth consecutive year. In the first year of professional courses, 2200 students studied various courses. Every year, for the all-around development of students, the latest and experimental liberal arts workshops are organized for three consecutive days at Charusat University. In the first year of these professional courses, 2200 students from various courses participated. The Humanities and Social Sciences department under the Indukaka Ipcowala Institute of Management (IIIM) at Charusat University has included liberal arts courses such as painting, photography, media and graphic design, dance, and drama. Of these five courses, students choose one course to attend the academic workshop in the mode of study. This year's workshop for the educational part of the course was held from March 15th to 17th, 2023.

### **संयोजन-2023 - CHARUSAT Alumni Mega Meet**

CHARUSAT Alumni Association (CAA) as a part of its unique initiative organized a grand event Alumni Mega Meet named संयोजन-2023 (28th January 2023, Saturday) on the auspicious occasion of 23rd Foundation Day of CHARUSAT campus. More than 1500 Alumni and their family members participated in the event. Ashutosh Ganguly better known by his stage name "ASH KING", a British-Indian Singer, Songwriter &

Composer, made the event magnificent with his presence. Dr. R. V. Upadhyay Provost, CHARUSAT and President of CHARUSAT Alumni Association (CAA) inaugurated the event and addressed the gathering. It was a marvelous musical concert where all the musicians cast a spell in the air. The whole ambiance had become musical. It was a breathtaking evening where not only alumni but the whole CHARUSAT family enjoyed the performance. During the complete show, Ash King kept the audience hooked and thrilled. The Alumni Mega Meet concluded with Gala Dinner.

### **Vrund 2022**

As a part of CHARUSAT tradition, to celebrate the festival of Navaratri, annual garba festival was organized on 14th October, 2022. More than 7000 Staff and Students of the University participated with all zeal and enthusiasm making it a gala event. The event is also graced by the University Executives; Office-bearers, Trustees, and Members of Parent Organizations; and invited Guests.

### **Spoural 2023**

CHARUSAT celebrates diversity and promotes inclusion of co-curricular as well as extra-curricular activities through the cultural festival – Spoural. In the year 2022-23, CHARUSAT organized Spoural from February 9-11, 2023 wherein the students participated in various cultural and sports activities.

### **Students' Achievements**

#### **Best All Rounder University Student by AIU**

Dweep L. Patel, a student of PDPIAS, has been recognized as the Best All-Rounder University Student by the Association of Indian Universities, New Delhi for the academic year 2021-22. Hailing from Palana, a village in the Charotar region, Dweep has received this honor due to his outstanding academic and extracurricular achievements. The CHARUSAT community congratulated Dweep for his accomplishment and wished him all the success for his future endeavors.

### **CDT. Kathan Shukla selected in the camps of NCC "Republic Day Camp"2023 at Delhi**

It gives us immense pleasure to announce that cadet Kathan Shukla from 2 Guj CTC NCC VNagar, Student of B. Tech Computer Science Engineering Department, DEPSTAR of Charotar University of Science and Technology Changra is selected to represent Gujarat Directorate in the Republic Day Camp at New Delhi from 28-12-22 to 03-01-23. He is selected as the best musician in Prime Minister's Rally to be held at KM Cariappa Parade Ground, New Delhi on 28th January 2022. It is a proud moment for the entire 2 Guj CTC NCC V V Nagar group and the CHARUSAT family. It can be considered as the best achievement by our students as only 111 cadets have been selected from Gujarat state.

This was not possible without the support of 2 Guj CTC commanding officer "Lt. Col Satheesan R" and PI Staff and our University Higher Authority and Faculties. Students from every university should be motivated to make their future in the armed forces.

### **Research Project by Bachelors - CSE student presented at PRL Ahmedabad**

Mr. Nitant D. Sadadiwala, under the guidance of Prof. Amit Thakkar and Dr. Hiteshri Shastri from the civil engineering department, has conducted a study to develop a technique for long-term rainfall projections using Artificial Intelligence and Machine Learning algorithms. This technique uses global atmospheric data as input to various advanced Deep Learning Algorithms that are trained and tested to provide a realistic representation of the occurrence of rainfall in the present climate. By utilizing this technique, early rainfall projections can be made, which can boost the economy of India, a country heavily dependent on agriculture. The model projects rainfall for a particular region quite accurately, with a variation of  $\pm 20\text{mm}$  of rainfall annually, which is small compared to the benchmark. The study concludes that with a combination of a good algorithm and a meaningful dataset, machines' large availability of data and ability to process it

opens many doors of improvement in the field of meteorology, and in the near future, Artificial Intelligence, or more specifically deep learning, can replace Numerical Weather projection (NWP) models.

### **Future Outlook**

With a present capital outlay of Rs. 150 crores and a projected one of Rs. 250 crores, CHARUSAT fosters an aspiration of being a World Class University. It strives, initially, to be in the league of Top 20 Universities at National Level.

### **Expression of Gratitude**

The journey that CHARUSAT University embarked upon this year has been nothing short of extraordinary. We have soared to new heights, pushed the boundaries of what is possible, and received countless accolades along the way. For us, there is no greater joy than imparting knowledge and empowering the future of our nation. The promise of progress and a brighter tomorrow rests firmly in the hands of our students.

We are deeply grateful to all those who have supported our institution with unwavering dedication and commitment. To our employees, donors, students, parents, and well-wishers, we extend our heartfelt thanks. Your unwavering faith and trust in us have served as a source of inspiration and motivation to continue striving towards our goals.

Together, we have proven that anything is possible. With our collective efforts and unwavering commitment to excellence, we can overcome any obstacle and achieve greatness. Once again, we extend our deepest gratitude to all who have been a part of our journey. We look forward to continuing to work with you to create a brighter, better future for all.

Thank you, all.

**Dr. Atul Patel**  
Registrar



## **Patents Published / Awarded**

The following table provides insights into the number of patents published or awarded during the year 2022-23, reflecting the university's commitment to research and development, highlighting advancements in various domains. It also shows university's intellectual property portfolio.

<b>Name of the Patenter</b>	<b>Patent Number</b>	<b>Title of the patent</b>	<b>Year of Award of patent</b>
Dr. Atanu Banerjee and Team	IN202221013536	Antimicrobial agent and method of preparing the same	2022
Dr. Trushit Upadhyaya and Team	IN202221029949	Antenna	2023
Patel Gayatri Chhaganbhai; Malaviya Manali Manubhai; Patel Akash Rajendrakumar; Navadiya Brijesh Vallabhbhai	IN-MUM-2013-03765A (433364)	Solubilizing compositions of atorvastatin calcium	2023
Dijitkumar Mahendrabhai Patel; Mehdihasan Ijmahmmad Shekh; Kaushal Pralhadbhai Patel; Rajnikant Muljibhai Patel	IN-MUM-2014-00049A Patent (402805)	Novel acrylic derivatives of 4-chloro-3,5-dimethylphenol and its homo and copolymers"	2022
Rashmin Patel, Mrunali Patel, Vikas Agrawal	IN201921007214 (433087)	A novel microemulsion formulation of triazole antifungal drug	2023

## **Grants received for Research from Government and Non-Government Organizations**

The following tables provide an overview of the number of departments recognized for research scheme/Project/ Endowments/ Chairs by national and international agencies, including UGC-SAP, CAS, DST-FIST, DBT, ICSSR, and other prestigious recognitions obtained during the year 2022-23.

It also includes details on extramural funding for research, indicating grants sponsored by non-government sources such as industry, corporate houses, and international bodies, alongside endowments and chairs established within the university during the year, expressed in INR lakhs.

Furthermore, the report presents information on grants received for research projects sponsored by government agencies during the year, also expressed in INR lakhs. Additionally, it outlines the number of research projects per teacher funded by both government and non-government agencies during the year, providing insights into the research productivity and external funding support received by faculty members.

<b>UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies</b>								
<b>SI No.</b>	<b>Name of the Scheme/Project/ Endowments/ Chairs</b>	<b>Name of the Principal Investigator / Co Investigator</b>	<b>Name of the Funding agency</b>	<b>Type (Government/Non-Government)</b>	<b>Department</b>	<b>Year of Award</b>	<b>Funds provided (INR in lakhs)</b>	<b>Duration of the project</b>
1	SMART Foundry 2020 (SMART = Sustainable Metal Casting Using Advanced Research and Technology)	Mayurkumar Pravinchandra Sutaria	Department Of Science And Technology	Government	Faculty of Technology and Engineering	2016	60.46	6 years
2	Design and development of X-band prime focal reflectarray antenna	Y. P. Kosta, Jitendra Chaudhary, Axat Patel, Amit Patel	ISRO	Government	Faculty of Technology and Engineering	2021	26.24	2 years
3	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	DSIR, New Delhi	Government	Faculty of Technology and Engg.	2021	0	3 years

4	Artificial intelligence based Green Analysis of Powder Blend Content Uniformity - A Novel Paradigm in Pharmaceutical Sciences	Swayamprakash Kantilal Patel, Amit Ramanlal Thakkar	Gujarat Council On Science And Technology (GUJCOST)	Government	Faculty of Pharmacy	2023	21.68	3 years
5	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR)	Government	Faculty of Pharmacy	2021	0	3 years
6	Minor Research Project Scheme of ICSSR	Bhavesh Parmar	ICSSR	Government	Faculty of Management Studies	2023	4.84	2 years
7	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Management Studies	2021	0	3 years
8	Wastewater to biofuel and bioproducts: Cyanobacterial biorefinery through a green circular bio-economy	Bhavtosh Anilkumar Kikani, Datta Baburao Madamwar	Gujarat State Biotechnology Mission, Department of Science and Technology	Government	Faculty of Sciences	2022	70.63	3 years
9	Exopolysaccharide-based biocomposites as specialty adhesives and binders for electronics applications.	Bragadish D Iyer	Gujarat State Biotechnology Mission	Government	Faculty of Sciences	2022	37.36	3 years
10	Wastewater remediation through electrochemical anodic oxidation using LDH- MXene Composites	C K Sumesh	Gujarat State Biotechnology Mission	Government	Faculty of Sciences	2023	35.25	3 years

11	To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Neeraj Devendra Jain, Kinnari Harsumanbai Parekh	Indian Council of Medical Research	Government	Faculty of Sciences	2021	31.09	3 years
12	Monodispersed Temperature sensitive Magnetic Fluid: Synthesis, Characterization and Effect on Cancer Spheroids	Dr. Kinnari Parekh and Dr. Neeraj Jain	SERB, DST	Government	Faculty of Sciences	2021-22	72.8	3 years
13	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Sciences	2021	0	3 years
14	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Computer Science and Applications	2021	0	3 years
15	Gujarat State Council for Physiotherapy (GSCPT)	N/A	Gujarat State Council for Physiotherapy (GSCPT)	Non-Government	ARIP	2022	N/A	5 years
16	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Medical Sciences	2021	0	3 years

<b>Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University</b>								
<b>SI No.</b>	<b>Name of the Scheme/Project/ Endowments/ Chairs</b>	<b>Name of the Principal Investigator / Co Investigator (if applicable)</b>	<b>Name of the Funding agency</b>	<b>Type (Government / Non-Government)</b>	<b>Department</b>	<b>Year of Award</b>	<b>Funds provided (INR in lakhs)</b>	<b>Duration of the project</b>
1	Rajendra B Patel Endowment Chair (Mechanical Engineering Department)	NA	Individual - Rajendra B Patel	Non-Government	Faculty of Technology and Engineering	2022-23	2.54	NA
2	Late Chanchalben Chunibhai Patel Endowment Chair	ARIP	Endowment Chair ARIP, CHARUSAT	Non-Government	Faculty of Medical Sciences	N/A	N/A	N/A
3	3D Virtual Learning Environment Implementation in the School Education System	Mihir Mehta	SARAS 3D	Non-Government	Faculty of Technology and Engineering	2022-23	308	N/A
4	Development of Interactive Educational Content with SARAS 3D	Sanni Dilipbhai Kapatel	SARAS 3D	Non-Government	Faculty of Sciences	2022-23	8.53	N/A

Grants for research projects sponsored by the government agencies during the last five years								
SI No.	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government / Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
1	Design and development of X-band prime focal reflectarray antenna	Y. P. Kosta , Jitendra Chaudhary, Axat Patel, Amit Patel	ISRO	Government	Faculty of Technology and Engineering	2021	26.24	2 years
2	Artificial intelligence based Green Analysis of Powder Blend Content Uniformity - A Novel Paradigm in Pharmaceutical Sciences	Swayamprakash Kantilal Patel, Amit Ramanlal Thakkar	Gujarat Council On Science And Technology (GUJCOST)	Government	Faculty of Pharmacy	2023	21.68	3 years
3	Minor Research Project Scheme of ICSSR	Dr. Bhavesh Parmar	ICSSR	Government	Faculty of Management Studies	2023	4.84	2 years
4	Wastewater to biofuel and bioproducts: Cyanobacterial biorefinery through a green circular bio-economy	Bhavtosh Anilkumar Kikani, Datta Baburao Madamwar	Gujarat State Biotechnology Mission, Department of Science and Technology	Government	Faculty of Sciences	2022	70.63	3 years
5	Exopolysaccharide-based biocomposites as specialty adhesives and binders for electronics applications.	Bragadish D Iyer	Gujarat State Biotechnology Mission	Government	Faculty of Sciences	2022	37.36	3 years

6	Wastewater remediation through electrochemical anodic oxidation using LDH- MXene Composites	C K Sumesh	Gujarat State Biotechnology Mission	Government	Faculty of Sciences	2023	35.25	3 years
7	To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Neeraj Devendra Jain, Kinnari Harsumanbai Parekh	Indian Council of Medical Research	Government	Faculty of Sciences	2021	31.09	3 years
8	Monodispersed Temperature sensitive Magnetic Fluid: Synthesis, Characterization and Effect on Cancer Spheroids	Dr. Kinnari Parekh and Dr. Neeraj Jain	SERB, DST	Government	Faculty of Sciences	2021-22	72.8	3 years

Research projects funded by government and non-government agencies								
SI No.	Name of the Scheme / Project / Endowments / Chairs	Name of the Principal Investigator / Co Investigator	Name of the Funding agency	Type (Government /Non-Government)	Faculty	Year of Award	Funds provided (INR in lakhs)	Duration of the project
1	Design and development of X-band prime focal reflectarray antenna	Y. P. Kosta , Jitendra Chaudhary, Axat Patel, Amit Patel	ISRO	Government	Technology and Engineering	2021	26.24	2 years
2	Artificial intelligence based Green Analysis of Powder Blend Content Uniformity - A Novel Paradigm in Pharmaceutical Sciences	Swayamprakash Kantilal Patel, Amit Ramanlal Thakkar	Gujarat Council on Science And Technology (GUJCOST)	Government	Pharmacy	2023	21.68	3 years
3	Minor Research Project Scheme of ICSSR	Dr. Bhavesh Parmar	ICSSR	Government	Management Studies	2023	4.84	2 years
4	Wastewater to biofuel and bioproducts: Cyanobacterial biorefinery through a green circular bio-economy	Bhavtosh Anilkumar Kikani, Datta Baburao Madamwar	Gujarat State Biotechnology Mission, DST	Government	Sciences	2022	70.63	3 years
5	Exopolysaccharide-based biocomposites as specialty adhesives and binders for electronics applications.	Bragadish D Iyer	Gujarat State Biotechnology Mission	Government	Sciences	2022	37.36	3 years
6	Wastewater remediation through electrochemical anodic oxidation using LDH- MXene Composites	C K Sumesh	Gujarat State Biotechnology Mission	Government	Sciences	2023	35.25	3 years

7	To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Neeraj Devendra Jain, Kinnari Harsumanbhai Parekh	Indian Council of Medical Research	Government	Sciences	2021	31.09	3 years
8	Monodispersed Temperature sensitive Magnetic Fluid: Synthesis, Characterization and Effect on Cancer Spheroids	Dr. Kinnari Parekh and Dr. Neeraj Jain	SERB, DST	Government	Sciences	2021-22	72.8	3 years
9	Rajendra B Patel Endowment Chair (Mechanical Engineering Department)	NA	Individual - Rajendra B Patel	Non-Government	Technology and Engineering	2022-23	2.54	NA
10	Late Chanchalben Chunibhai Patel Endowment Chair	ARIP	Endowment Chair ARIP, CHARUSAT	Non-Government	Medical Sciences	N/A	N/A	N/A
11	3D Virtual Learning Environment Implementation in the School Education System	Mihir Mehta	SARAS 3D	Non-Government	Technology and Engineering	2022-23	308	N/A
12	Development of Interactive Educational Content with SARAS 3D	Sanni Dilipbhai Kapatel	SARAS 3D	Non-Government	Sciences	2022-23	8.53	N/A

## Research Papers Published

The following details include the number of research papers published in journals listed on the UGC Care list, Scopus, Web of Science, or other reputable sources. This data provides insights into the scholarly output of the institution, highlighting the dissemination of research findings in recognized academic publications with high visibility and impact.

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
<b>Faculty of Technology &amp; Engineering (CSPIT)</b>				
1	Finite Element Based Comparative Analysis of Positive Streamers in Multi Dispersed Nanoparticle Based Transformer Oil	MIHIR A BHATT	International Journal of Engineering and Technology Innovation	2226-809X
2	Appraisal of Urban Road Traffic Noise in tier-II City (Surat City), India	DIPESHKUMAR RATILAL SONAVIYA	Sound & Vibration	2693-1443
3	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications	ARPAN HARISHKUMAR DESAI	Electronics	2079-9292
4	Dual-band compact split-ring resonator-shaped fractal antenna with defected ground plane for sub-6-GHz 5G and global system for mobile communication applications	UPESH PARBHUBHAI PATEL	International Journal of Communication Systems	1099-1131
5	A Multi-Slot Two-Antenna MIMO with High Isolation for Sub-6 GHz 5G/IEEE802.11ac/ax/C-Band/X-Band Wireless and Satellite Applications	ARPAN HARISHKUMAR DESAI	Electronics	2079-9292
6	INTRICATE FLOOD FLOW ADVANCEMENT MODELLING IN THE KRISHNA RIVER SUB BASIN, INDIA	HITESHRI KAMLESHBHAI SHASTRI	ISH Journal of Hydraulic Engineering	0971-5010
7	A Compact Four Port Ground-Coupled CPWG-Fed MIMO Antenna for Wireless Applications	ARPAN HARISHKUMAR DESAI	Arabian Journal for Science and Engineering	2191-4281
8	A review on intelligent reflecting surface-based terahertz communication	ARPITA PINALKUMAR PATEL	Indonesian Journal of Electrical Engineering and Computer Science	2502-4760

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
9	Left-Handed Material Inspired Multi-Layer Planar Antenna Design for Satellite Communication Applications	TRUSHIT KIRTIKUMAR UPADHYAYA	Progress In Electromagnetics Research M	1937-8726
10	Synthesis and characterization of Al2O3-Water Nanofluid with and without surfactant	BHAVIN HARESHKUMAR MEHTA	Materials Today: Proceedings	2214-7853
11	Data Quality for AI Tool: Exploratory Data Analysis on IBM API	CHINTAN MAHESHKUMAR BHATT	International Journal of Intelligent Systems and Applications(IJISA)	2074-9058
12	Sentiment Analysis Performance and Reliability Evaluation Using an XLNet-based Deep Learning Approach	DHAVALKUMAR AMBALAL BHOI	Reliability: Theory & Applications	1932-2321
13	Comparative Study on Clustering Approach Based Data Routing	HARDIK P MODI	International Journal of Engineering Trends and Technology	2231-5381
14	Energy Efficient Clustering based Bio-Inspired MST Routing Protocol (EECMSTR)	HARDIK P MODI	International Journal of Computer Science and Network Security	1738-7906
15	Design and development of automotive catalytic converter using non- nobel catalyst for the reduction of exhaust emission: A review	DATTATRAYA GANPATRAO SUBHEDAR	Materials Today: Proceedings	2214-7853
16	Modified Rotor Flux Estimated Direct Torque Control for Double Fed Induction Generator	MIHIR SIDDHARTH MEHTA	International Journal of Renewable Energy Research	1309-0127
17	Inverted-L Shaped Wideband MIMO Antenna for mm-wave 5G Applications	AMITKUMAR VINUBHAI PATEL	Electronics	2079-9292
18	Negative input impedance of a dipole antenna printed on a grounded tellegen metamaterial substrate	ARPAN HARISHKUMAR DESAI	Wireless Networks	1572-8196
19	Dual-Band and Dual-Polarization CPW Fed MIMO Antenna for Fifth-Generation Mobile Communications Technology at 28 and 38 GHz	ARPAN HARISHKUMAR DESAI	IEEE Access	2169-3536

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
20	Critical thickness of nano-enhanced RT-42 paraffin based battery thermal management system for electric vehicles: A numerical study	DATTATRAYA GANPATRAO SUBHEDAR	Journal of Energy Storage	2352-152X
21	Tribo-mechanical characterisation of MoS <sub>2</sub> and H-BN reinforced PA66 composite	RANDHAWA KAWALJITSINGH MANSINGH	Australian Journal of Mechanical Engineering	2204-2253
22	Exposure effects of non-ionizing radiation of radio waves on antimicrobial potential of medicinal plants	TRUSHIT KIRTIKUMAR UPADHYAYA	Journal of Radiation Research and Applied Sciences	1687-8507
23	Attributes of non-ionizing radiation of 1800 MHz frequency on plant health and antioxidant content of Tomato ( <i>Solanum Lycopersicum</i> ) plants	TRUSHIT KIRTIKUMAR UPADHYAYA	Journal of Radiation Research and Applied Sciences	1687-8507
24	Numerical investigation on thermal management system for lithium ion battery using phase change material	DATTATRAYA GANPATRAO SUBHEDAR	Materials Today: Proceedings	2214-7853
25	Experimental Investigation of oxygen gas variation on wettability properties of chromium oxynitride coatings	KAMLESH V CHAUHAN	Materials Today: Proceedings	2214-7853
26	Recent progress in the development and anti-icing applications of superhydrophobic coatings	KAMLESH V CHAUHAN	Materials Today: Proceedings	2214-7853
27	Structural, optical and electrical study of ZnO:Al thin films: A review	KAMLESH V CHAUHAN	Materials Today: Proceedings	2214-7853
28	Consequences of variation in oxygen partial pressure on zirconium oxide thin films	KAMLESH V CHAUHAN	Materials Today: Proceedings	2214-7853
29	Synthesis of visible spectrum-active TiO <sub>2</sub> thin film induced by RF magnetron sputtering	KAMLESH V CHAUHAN	Materials Today: Proceedings	2214-7853
30	Hybrid Deep Resnet With Inception Model for Optical Character Recognition in Gujarati Language	SANKETKUMAR BHARATBHAI SUTHAR	Reliability: Theory & Applications	1932-2321
31	Deepsign: Sign Language Detection and Recognition Using Deep Learning	DEEPKUMAR RAMESHBHAI KOTHADIYA	Electronics	2079-9292

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
32	A REVIEW ON THE ESTABLISHMENT OF A SMART MAINTENANCE PROCESS IN FOUNDRY	GAJANAN S PATANGE	GRADIVA REVIEW JOURNAL	0363-8057
33	Interconnected CPW Fed Flexible 4-Port MIMO Antenna for UWB, X, and Ku band Applications	ARPAN HARISHKUMAR DESAI	IEEE Access	2169-3536
34	An Approach to Improve Mathematical Formulation of Directional Overcurrent Relays Coordination for Interconnected Power Systems	KARTIKBHAI SHASHIKANT PANDYA	International Journal of Ambient Energy	2162-8246
35	Gyrotropic reciprocal bianisotropic metamaterial printed dipole antenna: Investigation of negative input impedance and mutual coupling	ARPAN HARISHKUMAR DESAI	Alexandria Engineering Journal	1001-0168
36	Investigations on Drilling of Basalt-Hemp Hybrid Composites with Aluminum as Filler Material	KUNDAN MOHANBHAI PATEL	International Journal of Mechanical Engineering	0974-5823
37	A Novel Green Biomass Champo Leaf as an Astable Multivibrator	GAURANGKUMAR KHODABHAI PATEL	GIS Science Journal	1869-9391
38	Risk Based Day-ahead Energy Resource Management with Renewables via Computational Intelligence	MOCHI PRATIK KANTILAL	International Journal of Renewable Energy Research-IJRER	1309-0127
39	Deep Learning-Based Automatic Detection of Ships: An Experimental Study Using Satellite Images	KRISHNA PATEL	Journal of Imaging	2313-433X
40	Hygroscopic behaviour analysis of biocompatible PA6 and PA6 composites containing oxide and nitride compounds of boron	RANDHAWA KAWALJITSINGH MANSINGH	Ceramics International	0272-8842
41	Statistical Evaluation of Machining Parameters in Drilling of Glass Lamine Aluminum Reinforced Epoxy Composites using Machine Learning Model	MAULIK V SHAH	Engineered Science	2576-9898
42	Cross Entropy Covariance Matrix Adaptation Evolution Strategy for Solving the Bi-Level Bidding Optimization Problem in Local Energy Markets	DHARMESHHSINH AJMALSINH DABHI	Energies	1996-1073

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
43	FE Analysis of High Pressure Laminate Panel for High Rise Building	NIRPEX AMRUTLAL PATEL	ADBU Journal of Engineering Technology(AJET)	2348-7305
44	Gain Improvement of a Dual-Band CPW Monopole Antenna for Sub-6 GHz 5G Applications Using AMC Structures	ARPAN HARISHKUMAR DESAI	Electronics	2079-9292
45	Effect of Trace Rare Earth Er Addition on Microstructure and Tensile Properties of 319 Al-Si-Cu Alloy	MAYURKUMAR PRAVINCHANDRA SUTARIA	International Journal of Metalcasting	2163-3193
46	Effect of sputtering power and substrate temperature on structural, optical, wettability and anti-icing characteristics of aluminiumdoped zinc oxide	KAMLESH V CHAUHAN	Materials Research Express	2053-1591
47	Direct ADC Controlled Asymmetric Cascaded Multilevel Inverter	KARTIKBHAI SHASHIKANT PANDYA	Engineering, Technology & Applied Science Research	1792-8036
48	Experimental Evaluation and Analysis of LED Illumination Source for Endoscopy Imaging	AMITKUMAR VINUBHAI PATEL	International Journal of Integrated Engineering	2600-7916
49	Synthesis, stability, thermophysical properties and heat transfer applications of nanofluid — A review	BHAVIN HARESHKUMAR MEHTA	Journal of Molecular Liquids	1873-3166
50	Effect of Multiple Remelting on Behaviour of AlSi5Cu3 Aluminium Alloy	MAYURKUMAR PRAVINCHANDRA SUTARIA	Materials Today: Proceedings	2214-7853
51	Effect of casting thickness on mechanical properties of AlSi5Cu3 Aluminium alloy	MAYURKUMAR PRAVINCHANDRA SUTARIA	Materials Today: Proceedings	2214-7853
52	CNN-based optical character recognition for isolated printed Gujarati characters and handwritten numerals	SANKETKUMAR BHARATBHAI SUTHAR	The International Journal of Mathematical, Engineering and Management Sciences (IJMEMS)	2455-7749
53	A miniaturized cylindrical dielectric resonator antenna array development for GPS / Wi-Fi / wireless LAN applications	KILLOL VISHNUPRASAD PANDYA	e-Prime – Advances in Electrical Engineering, Electronics and Energy	2772-6711

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
54	Experimental Investigations on the Effect of Ultrasonic Field in External Pool Boiling Under Various Operating Pressures	ABHISHEK SWARNKAR	Journal of Thermal Science and Engineering Applications	1948-5093
55	A State of Art Comparison of Robust Digital Watermarking Approaches for Multimedia Content (Image and Video) Against Multimedia Device Attacks	NILESH KUMAR DUBEY	International Journal of Engineering Trends and Technology	2231-5381
56	Design and Fabrication of Exhaust System of Formula Student Car	ANAND PURSHOTAMBHAI PATEL	International Journal for Research in Applied Science & Engineering Technology	2321-9653
57	ViTFER: Facial Emotion Recognition with Vision Transformers	AAYUSHI PUSHPAKANT CHAUDHARI	Applied System Innovation	2571-5577
58	Ceramic Waste Powder as a Partial Substitute of Fly Ash for Geopolymer Concrete Cured at Ambient Temperature	JAY KIRITKUMAR BHAVSAR	Civil Engineering Journal (Iran)	2476-3055
59	INDUSTRIAL REVOLUTIONS 1.0 TO 4.0: A JOURNEY TO SUSTAINABLE MANUFACTURING	HARMISH GOPALBHAI BHATT	Industrial engineering journal	0970-2555
60	Aperture-Fed Quad-Port Dual-Band Dielectric Resonator-MIMO Antenna for Sub-6GHz 5G and WLAN Application	TRUSHIT KIRTIKUMAR UPADHYAYA	International Journal of Antennas and Propagation	1687-5869
61	Tensile Properties Prediction of Unidirectional Flax/Polyester Composites: Mathematical Modeling and Experimental Investigation	SAGAR RAMCHANDRA CHOKSHI	Fibers and Polymers	1229-9197
62	Prediction of Telemetry Data using Machine Learning Techniques	ASHWINKUMAR BHANUPRASAD MAKWANA	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	2278-0181
63	An ensemble approach to improve BPNN model precision for predicting compressive strength of high-performance concrete	KARTIKBHAI SHASHIKANT PANDYA	Structures	2352-0124
64	A NOVEL, RELIABLE, ASPECT-BASED SENTIMENT CLASSIFICATION [NRABSC] FOR DIFFERENT INDUSTRY DOMAINS USING HYBRID DEEP LEARNING MODELS	DHAVALKUMAR AMBALAL BHOI	Reliability: Theory & Applications	1932-2321

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
65	Predictive Convolutional Long-Short-Term Memory Network for Detecting Anomalies in Smart Surveillance	PRIYANKA PRANAV PATEL	Reliability: Theory & Applications	1932-2321
66	An MPPT-based 31-Level ADC Controlled Micro-Inverter	KARTIKBHAI SHASHIKANT PANDYA	Engineering, Technology and Applied Science Research	1792-8036
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204	Improved live-cell PCR method for detection of organophosphates degrading opd genes and applications	DARSHANKUMAR HASMUKHBHAI PATEL	Applied Microbiology and Biotechnology	0175-7598

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205	A novel organophosphate hydrolase from Arthrobacter sp. HM01: Characterization and applications	DARSHANKUMAR HASMUKHBHAI PATEL	Bioresource Technology	0960-8524
206	Electrogenic degradation of Reactive Red 152 dye by Niallia circulans DC10 and its genome sequence analysis reveals genes mediating dye degradation and anodic electron transfer	CHIRAYU RAMESHCHANDRA DESAI	Journal of Water Process Engineering	2214-7144
207	Regioselective Ring-Opening of Spiro-Epoxyoxindoles by a Dual-Ligand Zinc-Based Metal–Organic Framework as an Efficient Heterogeneous Catalyst	ABHISHEK NATHALAL DADHANIA	ACS Applied Nano Materials	2574-0970
208	Bio-catalytic system of metallohydrolases for remediation of neurotoxin organophosphates and applications with a future vision	DARSHANKUMAR HASMUKHBHAI PATEL	Journal of Inorganic Biochemistry	0162-0134
209	SEMI-ANALYTIC SOLUTION OF TIME-FRACTIONAL KORTEWEG-DE VRIES EQUATION USING FRACTIONAL RESIDUAL POWER SERIES METHOD	JIGNESH PRAVIN CHAUHAN	Results in Nonlinear Analysis	2636-7556
210	Electrophoretic deposition of MoS <sub>2</sub> nanosheets for photoelectrochemical type photodetector	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	1873-1252
211	Large-area binder free synthesis of Cu <sub>2</sub> CoSnS <sub>4</sub> on Ag-substrate for electrocatalytic hydrogen evolution	PRATIKKUMAR MUKESHKUMAR PATANIYA	Surfaces and Interfaces	2468-0230
212	Photodetector based on liquid phase exfoliated SnSe quantum dots	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	1873-1252
213	Liquid-phase exfoliation of WSe <sub>2</sub> nanosheets for ITO/ WSe <sub>2</sub> photodetector	PRATIKKUMAR MUKESHKUMAR PATANIYA	Journal of Materials Science: Materials in Electronics	1573-482X

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214	A Fractional Calculus Approach to Study Newton's Law of Cooling	KRUNALKUMAR BHUPENDRABHAI KACHHIA	Progress in Fractional Differentiation and Applications	2356-9344
215	MoS <sub>2</sub> nanosheets on Cu-foil for rapid electrocatalytic hydrogen evolution reaction	PRATIKKUMAR MUKESHKUMAR PATANIYA	Journal of Electroanalytical Chemistry	1572-6657
216	Annealing induced phase transformation from amorphous to polycrystalline SnSe <sub>2</sub> thin film photo detector with enhanced light-matter interaction	PRATIKKUMAR MUKESHKUMAR PATANIYA	Journal of Non-Crystalline Solids	0022-3093
217	Hydrogen evolution reaction activity of III-V heterostructure nanowires	SHWETA DEVENDRABHAI DABHI	International Journal of Hydrogen Energy	0360-3199
218	Synergistic 2D MoSe <sub>2</sub> @WSe <sub>2</sub> nanohybrid heterostructure toward superior hydrogen evolution and flexible supercapacitor	ALKESHBHAI BHIKHABHAI PATEL	Nanoscale	2040-3372
219	Enhanced electrocatalysis of WSe <sub>2</sub> nanosheets by partial oxidation for hydrogen generation	PRATIKKUMAR MUKESHKUMAR PATANIYA	International journal of energy research	1099-114X
220	Identification of 1,2,4-Oxadiazoles-Based Novel EGFR Inhibitors: Molecular Dynamics Simulation-Guided Identification and in vitro ADME Studies	KAUSHAL PRALHADBHAI PATEL	OncoTargets and Therapy	1178-6930
221	ZnO-WS <sub>2</sub> Nano-heterojunction/ITO photodetector for detection of visible light	PRATIKKUMAR MUKESHKUMAR PATANIYA	Materials Science in Semiconductor Processing	1369-8001
222	Self-standing polyvinyl chloride film as flexible substrate for WSe <sub>2</sub> based photodetector	PRATIKKUMAR MUKESHKUMAR PATANIYA	Current Applied Physics	1567-1739
223	Flexible photodetector based on Graphite/ZnO-WS <sub>2</sub> nanohybrids on paper	PRATIKKUMAR MUKESHKUMAR PATANIYA	Journal of Materials Science: Materials in Electronics	1573-482X

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224	Gut Microbiota: Target for Modulation of Gut-Liver-Adipose	PALASH MANDAL	Mediators of Inflammation	1466-1861
225	Atomically thin WSe <sub>2</sub> nanosheets for fabrication of high-performance p-Si/WSe <sub>2</sub> heterostructure	SANNI DILIPBHAI KAPATEL	Optical Materials	1873-1252
226	Self-powered photodetector functionalized by SnS quantum dots	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	0925-3467
227	A new iterative method with Laplace transform for solving fractional differential equations with Caputo generalized fractional derivative	KRUNALKUMAR BHUPENDRABHAI KACHHIIA	Engineering with Computers	1435-5663
228	Effect of hydrocarbon surfactants on the properties of 1-dodecyl-1-methylpiperidinium chloride: synthesis, micellization, thermodynamics, and surface parameters	SANJAYKUMAR HEMRAJ PANJABI	Colloid and Polymer Science	1435-1536
229	Investigation on anti-Corona viral potential of Yarrow tea	GAYATRI A DAVE	journal of biomolecular structure and dynamics	1538-0254
230	High-yield synthesis and investigations of bulk and exfoliated crystals of In <sub>x</sub> Bi <sub>2-x</sub> Se <sub>3</sub> (X = 0, 0.5, 1, 1.5, 2) ternary alloys	PRATIKKUMAR MUKESHKUMAR PATANIYA	Surfaces and Interfaces	2468-0230
231	Nanomaterials: An Efficient Support to Immobilize Microbial ??– Amylases for Improved Starch Hydrolysis	BHAVTOSH ANILKUMAR KIKANI	STARCH-STARKE	1521-379X
232	Analytical approach to study water infiltration phenomenon in unsaturated soils using reduced differential transform method	YOGESHWARI FAKIRBHAI PATEL	Songklanakarin Journal of Science and Technology	0125-3395
233	Synthesis, Self-Aggregation, Surface Characteristics, Electrochemical Property, Micelle Size, and Antimicrobial Activity of a Halogen-Free Picoline-Based Surface-Active Ionic Liquid	SANJAYKUMAR HEMRAJ PANJABI	ACS Omega	2470-1343
234	Lattice instability, anharmonicity and Raman spectra of BaO under high pressure: A first-principles study	SHWETA DEVENDRABHAI DABHI	Journal of Physics and Chemistry of Solids	0022-3697

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235	Engineered interfaces of WSe <sub>2</sub> /rhenium doped SnSe <sub>2</sub> heterostructures nanosheet arrays for superior hydrogen generation and flexible supercapacitor	ALKESHBHAI BHIKHBHAI PATEL	Materials Today Chemistry	2468-5194
236	pCold-assisted expression of a thermostable xylanase from <i>Bacillus amyloliquefaciens</i> : cloning, expression and characterization	GAYATRI A DAVE	3 Biotech	2190-5738
237	NAFLD: genetics and its clinical implications	PALASH MANDAL	Clinics and Research in Hepatology and Gastroenterology	2210-7401
238	A COMPARATIVE STUDY OF FERROFLUID LUBRICATION ON DOUBLE-LAYER POROUS SQUEEZE CURVED ANNULAR PLATES WITH SLIP VELOCITY	NIRUBEN CHETANBHAI PATEL	Acta Polytechnica	1805-2363
239	Efficient algorithm to study the class of Burger's Fisher equation	YOGESHWARI FAKIRBHAI PATEL	International Journal of Applied Nonlinear Science	1752-2870
240	Molecular cancer classification on microarrays gene expression data using wavelet-based deep convolutional neural network	YOGESHWARI FAKIRBHAI PATEL	International Journal of Imaging Systems and Technology	1098-1098
241	Liquid phase exfoliated ReS <sub>2</sub> nanocrystals on paper based electrodes for hydrogen evolution and supercapacitor applications	PRATIKKUMAR MUKESHKUMAR PATANIYA	Surfaces and Interfaces	2468-0230
242	Ultrasonication assisted exfoliation of MoSe <sub>2</sub> nanosheets for optical and optical power limiting applications	PRATIKKUMAR MUKESHKUMAR PATANIYA	Journal of Applied Physics	1089-7550
243	Self-powered photodetector based on liquid phase exfoliated Cu-WSe <sub>2</sub> nanosheets	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	0925-3467
244	Synergistic effect of hafnium doping in tin diselenide for enhanced photodetection application	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	0925-3467

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245	Hydrogen evolution reaction in acidic and basic medium on robust cobalt sulphide electrocatalyst	PRATIKKUMAR MUKESHKUMAR PATANIYA	Surfaces and Interfaces	2468-0230
246	Enhanced photoresponse of $In_xMo_{1-x}S_2$ ( $X = 0.05$ and $0.1$ ) nanosheets for PEC type photodetector	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	0925-3467
247	Hand-Print method for preparation of large area and binder free electrodes for photodetection and electrocatalytic hydrogen evolution	PRATIKKUMAR MUKESHKUMAR PATANIYA	Solar Energy	0038-092X
248	Thin accretion disk in the Simpson-Visser black-bounce and wormhole spacetimes	PARTHRAJ GOARBHAI BAMBHANIYA	Physical Review D	2470-0029
249	Alloy engineering in $In_xSn_{1-x}S$ for enhanced photodetection application	PRATIKKUMAR MUKESHKUMAR PATANIYA	Optical Materials	1873-1252
250	Rotational Energy Extraction from the Kerr Black Hole's Mimickers	PARTHRAJ GOARBHAI BAMBHANIYA	Universe	2218-1997
251	Structural, morphological, optical, and thermal properties of electrospun PbS/PVP-PEO nanofibers	VAIBHAV KIRITKUMAR PATEL	Ceramics International	0272-8842
252	Effect of Sb doping on CVT grown SnTe single crystals electrical and thermal properties	SHIVAMBHAI MAYOORBHAI PATEL	Journal of Materials Science: Materials in Electronics	0957-4522
253	Effects of different Bismuth concentrations of InSbBi crystals grown by Bridgman technique	SHIVAMBHAI MAYOORBHAI PATEL	Journal of Crystal Growth	0022-0248
254	Exact solution of nonlinear Newell-Whitehead-Segel equation using semi-analytical approach	YOGESHWARI FAKIRBHAI PATEL	Mathematical Methods in the Applied Sciences	1099-1476
255	Investigation of electron-phonon interaction in Pure and Indium doped MoS <sub>2</sub> using temperature dependent Raman Spectra	PRATIKKUMAR MUKESHKUMAR PATANIYA	Surfaces and Interfaces	2468-0230

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256	Shadows and precession of orbits in rotating Janis-Newman-Winicour spacetime	PARTHRAJ GOARBHAI BAMBHANIYA	European Physical Journal C	1434-6052
257	Monometallic, bimetallic, and trimetallic chalcogenide-based electrodes for electrocatalytic hydrogen evolution reaction	PRATIKKUMAR MUKESHKUMAR PATANIYA	International Journal of Hydrogen Energy	0360-3199
258	A GENERAL MATRIX SERIES INVERSION PAIR AND ASSOCIATED POLYNOMIALS	RESHMABEN ROHITKUMAR SANJHIRA	Mathematica Slovaca	1337-2211
259	Dynamically bonded, tough, and conductive MXene@oxidized sodium alginate: chitosan based multi-networked elastomeric hydrogels for physical motion detection	DIJITKUMAR MAHENDRABHAI PATEL	International Journal of Biological Macromolecules	0141-8130
260	Synbiotic Intervention Ameliorates Oxidative Stress and Gut	PALASH MANDAL	biomedicines	2227-9059
261	Design, synthesis and evaluation of novel substituted fused pyrido diazepine and pyrimido piperazine derivatives: In vitro cytotoxicity study over various cancer cell lines	GAYATRI A DAVE	Results in Chemistry	2211-7156
262	CuS nanoparticles: An efficient electrocatalyst for hydrogen evolution reaction in a wide pH range	PRATIKKUMAR MUKESHKUMAR PATANIYA	Electrochimica Acta	1873-3859
263	Efcient Decontamination of Cationic Dyes from Synthetic Textile Wastewater Using Poly(acrylic acid) Composite Containing Amino Functionalized Biochar: A Mechanism Kinetic and Isotherm Study	ATANU BANERJEE	Journal of Polymers and the Environment	1572-8919
264	Phenotypic characterization and genome analysis reveal the probiotic potential of a banyan endophyte Bacillus velezensis K1	DR.NEERAJ DEVENDRA JAIN	Journal of Applied Microbiology	1365-2672
265	Evaluation of Thermostable Biomolecule Cocktail from Algal-associated Hot Water Spring Bacteria for Antibiofilm Activities	ANOOP RAVINDRANATH MARKANDE	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences	2250-1746
266	Theoretical investigations of the electronic states and electron scattering cross-sections of thiazole (C <sub>3</sub> H <sub>3</sub> NS)	VINODKUMAR POTHODI CHACKARA	Journal of Electron Spectroscopy and Related Phenomena	1873-2526

<b>Sl. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
267	Electronic Excitations and Low-Energy Electron-Induced Scattering Studies of Acrylonitrile ( $\text{CH}_2\text{CHCN}$ )	VINODKUMAR POTHODI CHACKARA	The Journal of Physical Chemistry A	1520-5215
268	Deciphering the Role of Silver Nanoemulsion as a Promising Nanofertilizer and Nanofungicide for Improved Mungbean Growth	ANAMIKA SANJAY JHA	Russian Journal of Plant Physiology	1608-3407
269	On the matrix function $pRq(A,B;z)$ and its fractional calculus properties	RESHMABEN ROHITKUMAR SANJHIRA	Communications in Mathematics	2336-1298
<b>Faculty of Medical Sciences (ARIP)</b>				
270	Low educational quality and trustworthiness of YouTube videos by physiotherapists on shoulder joint mobilization techniques: a descriptive study	SWENI ATULKUMAR SHAH	Journal of Manual and Manipulative Therapy	2042-6186
271	Cross-Cultural Adaptation and Validation of Gujarati Version Knee Injury and Osteoarthritis Outcome Score for Patellofemoral Subscale for Early Patellofemoral Osteoarthritis Population	HETA RAJNIKANT PATEL	Journal of the Scientific Society	2278-7127
272	Effects of School-Based Physical Activity Promotion and Dietary Awareness in Obese Children	DR.MANSI K SONI	International journal of health science and research	2249-9571
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273	To assess the perception of the young adults regarding child sexual abuse	RAVI RAI DANGI	The International Journal of Health Sciences (IJHS)	2550-696X
274	A Quasi-Experimental Study to Assess the Effectiveness of Guided Imagery Therapy on Infertility Related Stress and Quality of Life among Infertile Women	SAPNA BHAVIN PATEL	Indian Journal of Forensic Medicine & Toxicology	0973-9130
275	Perception of Indian Nursing Students about E-learning During COVID-19 Pandemic: A Cross-sectional Study	BINAL DHARMINKUMAR JOSHI	Indian Journal of Continuing Nursing Education	2666-8246
276	Effect of Postmenopausal Symptoms on Health-related Quality of Life among Women Residing in Rural Areas of Central Gujarat and Saurashtra: A Cross-sectional Study	BHOOMI MANISHKUMAR BAVDA	Journal of Clinical and Diagnostic Research	0973-709X

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277	FACTORS INFLUENCING IN ACCEPTANCE OF THE COVID-19 VACCINE AMONG COMORBID VACCINATED INDIVIDUALS - A LITERATURE REVIEW	ANILKUMAR PATIDAR	Indian Journal of Nursing Studies	2229-3280
278	Development and Validation of Quality of Life Tool among Chemotherapy Patients: A Pilot Trial	ANIL SURESH CHAND SHARMA	Journal of Clinical and Diagnostic Research	0973-709X
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279	Enhanced visible-light photoresponse of DVT-grown Ni-doped SnSe crystal	ALKESHBHAI BHIKHBHAI PATEL	Journal of Materials Science: Materials in Electronics	1573-482X
280	Phenyl substituted 3-chloro 2-azetidinones: Design, green synthesis, antimicrobial activity, and molecular docking studies	NILESH OMPRAKASH PANDEY	Journal of Molecular Structure	0022-2860
281	Induction of apoptosis in lung carcinoma cells (A549) by hydromethanolic extract of Acorus calamus L	PARTH KANUBHAI THAKOR	Process Biochemistry	1873-3298
282	Anisotropic study of ReSe2-based photodetector grown via vapour transport technique	ALKESHBHAI BHIKHBHAI PATEL	THE EUROPEAN PHYSICAL JOURNAL B	1434-6036
283	Professional Quality of Life Among Medical Imaging Technologists and Radiologists During COVID-19 Pandemic in India	DOLLY SHARMA	Journal of Radiology Nursing	1546-0843
284	MORPHOLOGICAL MEASURES OF SCAPULA IN SOUTH INDIAN POPULATION USING CT	DOLLY SHARMA	Journal of Musculoskeletal Research,	1793-6497
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285	Microbial community structure and functions during chronosequence-based phytoremediation programme of Lignite tailing soil	DATTA BABURAO MADAMWAR	Environmental Technology & Innovation	2352-1864
286	Crystal structure analysis of phycoerythrin from marine cyanobacterium Halomicronema	DATTA BABURAO MADAMWAR	JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS	1538-0254
287	Enriched bacterial community efficiently degrade polycyclic aromatic hydrocarbons in soil ecosystem: Insights from a mesocosms study	DATTA BABURAO MADAMWAR	Biochemical Engineering Journal	1369-703X

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288	The dielectric breakdown strength of transformer oil based magnetic fluids: effect of magnetic field strength and exposure time	KINNARI HARSUMANBHAI PAREKH	Journal of Materials Science: Materials in Electronics	1573-482X
289	Exploring the structural aspects and therapeutic perspectives of cyanobacterial phycobiliproteins	DATTA BABURAO MADAMWAR	3 Biotech	2190-5738
290	The viscous response of ferrofluids subjected to external magnetic field	R V UPADHYAY	Journal of Dispersion Science and Technology	1532-2351
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291	Modulating the Midgap States of 3D-2D Hybrid ZnO by Codoping and Its Effect on Visible Photocatalysis	VANARAJSINH JASHAVANTSINH SOLANKI	Industrial & Engineering Chemistry Research	1520-5045
292	Conductometric room temperature ammonia sensor based on porous tin oxide	VANARAJSINH JASHAVANTSINH SOLANKI	Sensors and Actuators B: Chemical	0925-4005
293	Effect of ferrofluid magnetization on transformer temperature rise	KINNARI HARSUMANBHAI PAREKH	Journal of Physics D: Applied Physics	1361-6463
294	3rd Paleoanthropology Field Workshop Narmadapuram, Madhya Pradesh, India	PRABHIN SUKUMARAN	Journal of Palaeosciences	0031-0174
295	Experimental investigation on recycling of waste pharmaceutical blister powder as partial replacement of fine aggregate in concrete	VANARAJSINH JASHAVANTSINH SOLANKI	Resources, Conservation & Recycling Advances	2667-3789
296	Novel substituted isoindolinones derived from lawsone: synthesis, characterization, theoretical, biological activity and docking studies	MRUGESHKUMAR JAYESHBHAI PATEL	Journal of Molecular Structure	0022-2860
297	In-vitro antioxidant evaluation and production of biochar from distillation waste biomass of <i>Mentha arvensis</i>	ATANU BANERJEE	Journal of Applied Research on Medicinal and Aromatic Plants	2214-7861
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299	Plant Disease Detection And Classification Using Machine Learning Algorithm	DHRUVI DHARMENDRAVAN GOSAI	IEEE	0000-0000
300	Rapid Service - Mobile App for Bike and Car Service	MIKINKBhai RAKESHBHAI PATEL	IEEE	0000-0000
301	A Novel Approach to Detect Plant Disease Using DenseNet-121 Neural Network	NILESH KUMAR DUBEY	Lecture Notes in Networks and Systems	2367-3389
302	Prediction of concrete properties using machine learning algorithm	KARTIKBHAII SHASHIKANT PANDYA	Journal of Physics: Conference Series	1742-6596
303	Threat Prediction using Ensemble Learning Algorithm to provide End-Point Security	SHIVANGI MEHTA	IEEE	0000-0000
304	Advancements in Cloud-Based Solution for Medical Imaging: A Survey	DIPAKKUMAR JIVRAJBHAI RAMOLIYA	IEEE	NA
305	Effect of voltage type and polarity on streamer dynamics in transformer oil	MIHIR A BHATT	Materials Today: Proceedings	1369-7021
306	Forecasting Unpredictable Behavior of Indian Consumer (Lifestyle Driven Shopping) and Take Back Control with Information Fusion	RIMA ANANTKUMAR PATEL	IEEE	0000-0000
307	Covifit Mobile Application for Fitness Improvement during Third Wave of Covid19	MOHITSINH DHARMENDRASINH PARMAR	IEEE	0000-0000
308	Post Graduate Engineering Education from Home for Optical Networking Laboratory during COVID19 Second Wave in India	SHAILESH BABUBHAI KHANT	IEEE Xplore Digital Library	0000-0000
309	A comparative analysis of ARIMA, GRU, LSTM and BiLSTM on Financial Time Series Forecasting	DWEEPNA GARG	IEEE	0000-0000
310	A Pre-Trained CNN based framework for Handwritten Gujarati Digit Classification using Transfer Learning Approach	PARTH NAVINCHANDRA GOEL	IEEE	0000-0000

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311	A Concise Review on Automatic Text Summarization	HEMANT NANDLALBHAI YADAV	Computational Intelligence in Data Mining.	2190-3018
312	Recent Advancement in Fine-Grained Access Control and Secure Data Sharing Scheme for Distributed Environment	VIDHIBEN TUSHARKUMAR PANDYA	Lecture Notes in Electrical Engineering	0000-0000
313	Comparative study of Blockchain-Based Voting Solutions	KHUSHI ANAND PATEL	Intelligent Sustainable Systems. Lecture Notes in Networks and Systems	0000-0000
314	Blockchain based application's future challenges in food traceability	PRANAV JYOTISHBHAI VYAS	Interdisciplinary Research in Technology & Management, IEEE	NA
315	Plant Disease Identification Based on Leaf Images Using Deep Learning	CHINTAN MAHESHKUMAR BHATT	Evolution in Signal Processing and Telecommunication Networks	1876-1119
316	An Experimental Study and Performance Analysis of Supervised Machine Learning Algorithms for Prognosis of Chronic Kidney Disease	SANSKRUTI VRIJLAL PATEL	IEEE Xplore	0000-0000
317	Cyber Security Actionable Education during COVID19 Third Wave in India	SHAILESH BABUBHAI KHANT	IEEE Xplore Digital Library	0000-0000
318	Classification of Facial Expression for Emotion Recognition using Convolutional Neural Network	NILAY PRAVINCHANDRA GANATRA	IEEE Xplore	0000-0000
319	Multi-level Feature Extraction for Automated Land Cover Classification using Deep CNN with Long Short- Term Memory Network	SANSKRUTI VRIJLAL PATEL	IEEE Xplore	0000-0000
320	Vegetation cover classification using Sentinel-2 time-series images and K-Means clustering	SANDEEP VASANT GAIKWAD	IEEE	9781-665
321	Mental Health Analysis of Indians During Pandemic	PARTH NAVINCHANDRA GOEL	Data Science and Computational Intelligence	0000-0000

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323	Detecting Credit Card Frauds Using Isolation Forest and Local Outlier Factor - Analytical Insights	AMITKUMAR JAYDEVBHAI NAYAK	IEEE	NA
324	Artificial Intelligence In Strengthening The Operations Of Ecommerce Based Business	PRANAV DHIMANTKUMAR DESAI	IEEE	NA
325	Energy Management System of Microgrid using Optimization Approach	JIGAR SUBODHCHANDRA SARDA	IFAC-PapersOnLine	2405-8963
326	Optomechanical design and analysis of lens assembly for space application	MAULIK V SHAH	IOP Conference Series: Materials Science and Engineering	1757-899X
327	How Artificial Intelligence and Machine Learning assist in Industry 4.0 for Mechanical Engineers.	GAJANAN S PATANGE	Materials Today: Proceedings	2214-7853
328	A Comprehensive Survey on 6G Networks: Key Technologies and Challenges	ARPITA PINALKUMAR PATEL	IEEE Xplore	0000-0000
329	Spectroscopic investigation of tunable size PbS nanocrystals embedded in PEO matrix	MITESHKUMAR HARISHBHAI PATEL	Materials Today: Proceedings	2214-7853
330	Addressing item cold start problem in collaborative filtering based recommender systems using auxiliary information	RONAKKUMAR NATAVARLAL PATEL	IOT with Smart Systems	2190-3026
331	Software Defined Network (SDN) Implementation with Pox Controller	DWEEPNA GARG	IEEE	0000-0000
332	Review of Deep Learning: A New Era	MOHINIBEN PRAFULBHAI DARJI	ICT Infrastructure and Computing	2367-3370
333	A Smart Home Automation System Based on Internet of Things (IoT) Using Arduino	MOHINIBEN PRAFULBHAI DARJI	Futuristic Trends in Networks and Computing Technologies	1876-1119
334	Forensic Evidence Collection From Windows Host Using Python Based Tool	AMIT SATRAMBHAI HARIYANI	IEEE Xplore Digital Library German Section	0000-0000

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335	Yoga Pose Classification using Angle Heuristic Approach	KRISHNA PATEL	IEEE Xplore	6654-9707
336	Role and Rewards of Information and Communication Technology (ICT) Interventions in Edification During COVID-19 Pandemic	PRANAV DHIMANTKUMAR DESAI	ICT Infrastructure and Computing Proceedings of ICT4SD 2022	NA
337	University Indoor Scene Classification using Transfer Learning	DIPAKKUMAR JIVRAJBHAI RAMOLIYA	IEEE	NA
338	Seismic Response of Liquid Storage Tank Isolated With Double Sliding Isolator with Variable Curvature (DSIVC)	VIJAYKUMAR RAMANLAL PANCHAL	Proceedings of SECON'22 Structural Engineering and Construction Management	2366-2565
339	Advanced Techniques to Predict and Detect Cloud System Failure: A Survey	DIPAKKUMAR JIVRAJBHAI RAMOLIYA	IEEE	0000-0000
340	Evaluation of Response Reduction Factor of Bamboo Reinforced Building	VIJAYKUMAR RAMANLAL PANCHAL	Proceedings of SECON'22 Structural Engineering and Construction Management	2366-2565
341	Flexible, Robust and Temperature Resistive NIR Photodetector Based On P-WSe /P-CuO Hybrid on Cellulose Paper	PRATIKKUMAR MUKESHKUMAR PATANIYA	Materials Today: Proceedings	2214-7853
342	Large area and robust NiS/Ag electrodes for hydrogen evolution reaction	PRATIKKUMAR MUKESHKUMAR PATANIYA	Materials Today: Proceedings	2214-7853
343	A Systematic Review on Melanoma Skin Cancer Cell Detection	CHINTAL UPENDRA RAVAL	IEEE	NA

## Books & Chapters Published

The data on the number of books and chapters in edited volumes published per teacher during the year 2022-23 is mentioned below. Additionally, it also provides information on the total number of books, chapters in edited volumes, and papers in national/international conference proceedings published. This comprehensive overview offers insights into the research productivity of faculty members, highlighting their contributions to academic literature and conference proceedings within their respective fields.

**Conference Publications**

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN / ISSN number	Name of the publisher
1	AMITKUMAR VINUBHAI PATEL	Wideband LNA in 0.18 µm CMOS Technology	2021 4th International Symposium on Advanced Electrical and Communication Technologies (ISAECT)	The 4th International Symposium on Advanced Electrical and Communication Technologies (ISAECT2021),	International (Abroad)	978-1-6654-3773-8	IEEE
2	AMIT PRAVINCHAN DRA GANATRA	Evaluation of Machine Learning Algorithms for Electroencephalography-Based Epileptic Seizure State Recognition	Advances in Intelligent Systems and Computing (AISC) series	International Conference on Soft Computing and Signal Processing	International (Within India)	978-981-16-7088-6	SpringerLink
3	VIDHI VINOCHAND RA THAKAR	INTENTION, USAGE AND LITERACY RELATED TO M-HEALTH APPLICATION	International Multidisciplinary Rehab-E-Con-2022	"International Multidisciplinary Rehab-E-Con-2022"	International (Within India)	978-93-92106-08-8	Association for Clinical Neurology and Mental Health (ACNM) and MGM School of Physiotherapy

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>Name of the conference</b>	<b>National / International</b>	<b>ISBN / ISSN number</b>	<b>Name of the publisher</b>
4	NIRAV HASMUKHRAI BHATT	Emotion Detection Using OpenCV for Facial Recognition	Latest Development in Computing, Informatics & ICT: Towards Digital Society	INTERNATIONAL CONFERENCE ON INFORMATION SCIENCE, MANAGEMENT RESEARCH AND SOCIAL SCIENCES	International (Within India)	978-93-93878-80-9	New Delhi Publishers
5	VIJAYKUMAR RAMANLAL PANCHAL	SEISMIC RESPONSE OF BUILDING ISOLATED WITH DOUBLE SLIDING ISOLATOR HAVING VARIABLE CURVATURE (DSIVC)	INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING, SCIENCE, & TECHNOLOGY	INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGG, SCIENCE, & TECHNOLOGY (ETEST - 2022)	International (Within India)		Poornima University
6	RITIKSHA RAKESHKUMA R MODI	A Brief Survey on Hyperspectral Sensor	Soft Computing for Security Applications	Springer International Conference on Soft Computing for Security Applications (ICSCS 2022).	International (Within India)	978-981-16-5301-8	Springer
7	MAHAMMADS OAIB MAHEBOOBMI YA SAIYAD	A comparative evaluation of speed control of PMDC and PMLDLC motor for Electric Vehicle Applications.	1st INTERNATIONAL CONFERENCE on "EMERGING TRENDS IN ELECTRIC VEHICLES AND	1st INTERNATIONAL CONFERENCE on "EMERGING TRENDS IN ELECTRIC VEHICLES AND	International (Within India)	978-93-94899-37-7	Shanlax Publications Tirupparankunram Rd, Main Road, Vasanth Nagar, Tamil Nadu 625003

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>Name of the conference</b>	<b>National / International</b>	<b>ISBN / ISSN number</b>	<b>Name of the publisher</b>
			SMART TECHNOLOGIES (ICETEVST-22)"	SMART TECHNOLOGIES (ICETEVST-22)"			
8	KASHYAPKUMAR SHAILESHKUMAR PATEL	A Survey: Secure Cloud Data Storage and Access Control System using Blockchain	Soft Computing for Security Applications	2nd International Conference on Soft Computing for Security Applications ICSCS 2022	International (Within India)	978-981-16-5301-8	Springer
9	VIPUL HARSHADBHAJI VYAS	SEISMIC RESPONSE OF BUILDING ISOLATED WITH MULTIPLE VARIABLE FREQUENCY PENDULUM ISOLATOR (MVFPI)	"Advancement in Structural & Geotechnical Engineering" ASGE '22	Advancement in Structural & Geotechnical Engineering (ASGE'22)	International (Within India)	978-93-5659-634-4	Indus University, Ahmedabad, Gujarat, India
10	PUNIT BABUBHAI PATEL	Free Vibration of Moderate Thick Plate Using Inline Support- An Experimental Study	Proceedings of the 1st ISTE sponsored International e - conference on Recent Innovations in Mechanical Artificial Intelligence and	Recent Innovations in Mechanical Artificial Intelligence and Bio-Mechanical Engineering (ICRIMAIBE)- 2022	International (Within India)	978-93-5626-978-1	Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur - 584103, Karnataka.

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>Name of the conference</b>	<b>National / International</b>	<b>ISBN / ISSN number</b>	<b>Name of the publisher</b>
			Bio-Mechanical Engineering				
11	RUMA PAL	A Study On The Effects Of Digitalization On Traditional Marketing Strategies With Specific Attention Paid To The Automobile Industry From The Perspective Of E-Marketing	2 nd Multi-Disciplinary International Conference (GTU ICON 2022)	2 nd Multi-Disciplinary International Conference – GTU ICON 2022	International (Within India)	978-81-955306-1-8	The Registrar, Gujarat Technological University Nr. Visat Three Roads, Visat Gandhinagar Highway Chandkheda, Ahmedabad, Gujarat-(India) Pincode-382424
12	NIRAJ YASHVANTRAI VYAS	Quantitative determination of a novel bio-marker for quality control of Hygrophila spinosa T. Ander: Application of TLC-Densitometric method	Proceedings of the “START HERB: Journey from Innovation to Entrepreneurship in Herbals”	START HERB: Journey from Innovation to Entrepreneurship in Herbals	International (Within India)	978-93-92106-07-1	APR Explore
13	KANANKUMARI GAMANLAL GAMIT	Evaluation of Tribulus terrestris- An Ingredient of Gokhsuradi Guggulu For m-RNA Expression of Selected Protein	Proceedings of the “START HERB: Journey from Innovation to Entrepreneurship in Herbals	START HERB: Journey from Innovation to Entrepreneurs In Herbals	International (Within India)	978-93-92106-07-1	APR Explore

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		Using Real Time RT-qPCR in TM3 Cell Line					
14	SUMAM SUNNY	Effect of dual task testing on gait in individuals with obesity – A narrative review	INTERNATIONAL MULTIDISCIPLINARY REHAB E CON 2022	INTERNATIONAL MULTIDISCIPLINARY REHAB E CON 2022	International (Within India)	978-93-92106-08-8	BIOLEAGUES
15	BRIJESH LAXMANBHAI KUNDALIYA	Smart Surveillance System Using Raspberry Pi	Conference Proceeding of The Multidisciplinary International Conference GTU ICON- 2022	The Multidisciplinary International Conference GTU ICON- 2022	International (Within India)	978-81-955306-2-5	Gujarat Technological University
16	MAHAMMADS OAIB MAHEBOOBMI YA SAIYAD	A Thorough Analysis of Battery Charging Standards and Infrastructure for Electric-Based Automobile Deployment	International Conference on Science, Engineering and Technology	International Conference on Science, Engineering and Technology	International (Within India)	978-81-959326-0-3	School of Engineering, RK University
17	MANANKUMA R NARESHKUMA R SHAH	L=0 spectra of ?++cc baryon in relativistic Dirac formalism with independent quark model	Proceedings of the DAE Symp. on Nucl. Phys.	66th DAE Symposium on Nuclear Physics (SNP2022)	National	978-81-959225-1-2	DAE

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18	MANANKUMA R NARESHKUMA R SHAH	S & P-Wave spectroscopy of ?b baryon in relativistic Dirac formalism with independent quark model	Proceedings of the DAE Symp. on Nucl. Phys.	66th DAE Symposium on Nuclear Physics (SNP2022)	National	978-81-959225-1-2	DAE
19	RASHMIN BHARATBHAI PATEL	Nanocarrier in drug delivery: Targeted treatment of onychomycosis through transungual route	International Conference on ADVANCES IN MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE (AMDP-2022) in association with Cancercon 2022	International Conference on ADVANCES IN MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE (AMDP-2022) in association with Cancercon 2022	International (Within India)		AMDP-2022
20	MRUNALI RASHMIN PATEL	Nanotechnology in drug delivery Potential applications, nanotoxicological challenges, and regulatory aspects	International Conference on ADVANCES IN MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE (AMDP-2022) in association with Cancercon 2022	International Conference on ADVANCES IN MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE (AMDP-2022) in association with Cancercon 2022	International (Within India)		AMDP-2022

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21	MANANKUMA R NARESHKUMA R SHAH	Mass Spectroscopy of fully heavy [cc][ <sup>-</sup> cc <sup>-</sup> ] tetraquark in diquark-antidiquark formalism	Proceedings of the DAE Symp. on Nucl. Phys. 66	66th DAE Symposium on Nuclear Physics (SNP2022)	National	978-81-959225-1-2	Sita Publication
22	MANANKUMA R NARESHKUMA R SHAH	Status of X(3860) and X(3915) as an exotic tetraquark states	Proceedings of the DAE Symp. on Nucl. Phys. 66 (2022)	66th DAE Symposium on Nuclear Physics (SNP2022)	National	978-81-959225-1-2	Sita publication
23	MANANKUMA R NARESHKUMA R SHAH	Spectroscopy of Bc meson in an instanton plus confinement potential model	Proceedings of the DAE Symp. on Nucl. Phys. 66 (2022)	66th DAE Symposium on Nuclear Physics (SNP2022)	National	978-81-959225-1-2	Sita publication

**Books Published**

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book/chapters published</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
1	UMANG HARISHCHANDRA SHAH, ASHISH DHIRUBHAI PATEL	Complete Companion for GPAT and other Entrance Examination in Pharmacy	International	9789-3560-6359-4	Pearson
2	BINITKUMAR NAINESHBHAI PATEL	Machine Learning Using Python - A Practical Guide	National	9789-3562-8844-7	Bluerose Publishers Pvt. Ltd
3	BINITKUMAR NAINESHBHAI PATEL	A Handbook for Data Collection	National	9798-8407-7259-1	Amazon Kindle Direct Publishing
4	PRANJAL PARITOSH BHATT	ACHEBE AND DESAI: ECO-CRITICISM	International	9798-8874-9613-9	NOTION PRESS
5	YOGESHWARI FAKIRBHAI PATEL	Applications of Differential Transform to Real World Problems	International	9781-0321-8523-1	Taylor & Francis Group
6	BINITKUMAR NAINESHBHAI PATEL	Meaningful Machine Learning	International	9786-2001-0241-6	Lambert Academic Publishing
7	RAJESH KANAYALAL SADHWANI	Cointegration And Causality Analysis	International	9786-2047-5064-4	LAP LAMBERT Academic Publishing
8	BINITKUMAR NAINESHBHAI PATEL	Predictive Brand Switching Behaviour	International	9786-2023-0365-1	Scholars' Press
9	ATUL MANUBHAI PATEL, KANUBHAI K. PATEL	Soft Computing and its Engineering Applications	International		Springer Cham
10	AMIT MANSUKHLAL PARMAR	Basic Object oriented programming	State	9789-3815-1881-6	Atul Prakashan
11	BINITKUMAR NAINESHBHAI PATEL	Python for Data Analysis: A Handbook for Beginners	International	9798-8379-7571-4	Amazon Kindle Direct Publishing
12	BHASKAR K. PANDYA, KAUSHIK R. TRIVEDI, TUSHAR SUMANCHANDRA BRAHMBHATT	ENGLISH LANGUAGE LEARNING AND COMMUNICATION SKILLS	National	9789-3563-8002-8	BLACK & BLACK JAIPUR (INDIA)

13	ARPITA PINALKUMAR PATEL	6G Communication: Key Technologies, Challenges and Future Directions	International	9786-2054-9645-9	LAP LAMBERT PUBLICATION
14	BHAVESHKUMAR JIVABHAI PARMAR	Diversity, Equity and Inclusion in Human Resource Management: Post Covid Advance HRM Issues	National	9356-4809-07	CLEVER FOX PUBLISHING
15	RUMA PAL	BBAATR-305 AIRPORT OPERATION & MANAGEMENT	State	9789-3910-7124-0	Dr. Babasaheb Ambedkar Open University (BAOU)
16	BINITKUMAR NAINESHBHAI PATEL	Manage Data using SQL	National	9789-3566-8136-1	Bluerose Publishers Pvt. Ltd.
17	RUMA PAL	AIR TRANSPORTATION & DISASTER MANAGEMENT	National	9789-3910-7120-2	DR. BABASAHEB AMBEDKAR OPEN UNIVERSITY
18	VIPIN VAGERIYA	Applied Anatomy and Applied Physiology for Nurses and Allied Health Sciences	National	9789-3938-8526-5	EMMESS MEDICAL PUBLISHERS
19	RESHMA GUNAJI SABLE	Introduction to Learning Organization	International	9783-3467-2601-8	GRIN Verlag

### Book Chapters Published

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
1	AMITKUMAR VINUBHAI PATEL	Smart Antennas	A Compact Dual-Fed Self Diplexing Antenna for Wireless Communication Application	International	9783-0307-6636-8	Springer Nature.
2	PRIYANKA PRANAV PATEL	ICT with Intelligent Applications	Underwater Robotics	International	978-981-16-4177-0	Springer
3	HARSHIL VIJAYKUMAR JOSHI	IOT with Smart Systems, Smart Innovation, Systems and Technologies	Internet of Things (IoT)-Based Distributed Denial of Service (DDoS) Attack Using COOJA Network Simulator	International	9789-8116-3945-6	Springer
4	TRUSHIT KIRTIKUMAR UPADHYAYA	Smart Antennas	Multiband Laptop Antenna with Enhanced Bandwidth for WLAN/WiMAX/GPS Wireless Applications	International		Springer International Publishing
5	MOHITSINH DHARMENDRASINH PARMAR	Micro-Electronics and Telecommunication Engineering(Lecture Notes in Networks and Systems)	Effectual Attendance Application for Remote Education During Era of COVID-19	International	9789-8116-8721-1	Springer, Singapore
6	DHARMENDRA TRIKAMLAL PATEL	Advances in Data and Information Sciences Proceedings of ICDIS 2021(Lecture Notes in Networks and Systems)	Pharmacognosy with Artificial Intelligence: An Interdisciplinary Approach	International		Springer, Singapore
7	ANAMIKA SANJAY JHA	Engineered Nanomaterials for Innovative Therapies and Biomedicine	Targeting Vital Dimorphic Fungal Infections in Women by Phytochemical-Assisted Herbal Nanosystem	International	9783-0308-2918-6	Springer Nature Switzerland

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
		Nanotechnology in the Life Sciences				
8	RUCHA PRADIPKUMAR DESAI	Fundamentals and Industrial Applications of Magnetic Nanoparticles	Magnetic nanoparticles and their application in bioanalysis	International	9780-1282-2998-9	Elsevier
9	VIJAYKUMAR PREMJIBHAI CHAUDHARY	Recent Advances in Manufacturing Modelling and Optimization	Experimental and Flow Simulation Study of VARTM Process	International	9789-8116-9952-8	Springer, Singapore
10	JIGNESH PRAVIN CHAUHAN	Fixed Point Theory and Fractional Calculus - Forum for Interdisciplinary Mathematics	Fractional Calculus Approach to Logistic Equation and its Application	International	9789-8119-0668-8	Springer Singapore
11	DIPALKUMAR M PATEL	Lecture Notes in Mechanical Engineering	Kinematics and Dynamics Analysis of 5DOF 360 Degree Machining Robot	International	9789-8116-7909-4	Springer Singapore
12	PARTH NAVINCHANDRA GOEL	Lecture Notes on Data Engineering and Communications Technologies	Weight Pruning in Convolutional neural network for efficiency in Plant Disease Detection	International	9789-8116-7182-1	Springer, Singapore
13	AMIT MANSUKHLAL PARMAR	2022 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	Visitor : A Mobile Application for Visitor Management	International	9781-6654-7884-7	IEEE
14	KRISHNA KANT	Lecture Notes in Networks and Systems(LNNS, volume 400)	Emotion Recognition in Human Face Through Video Surveillance—A Survey of State-of-the-Art Approaches .	International	9789-8119-0094-5	Springer, Singapore

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
15	VIJAYKUMAR RAMANLAL PANCHAL	Technology Innovation in Mechanical Engineering	Subsea Manifold with Mudmat Structure Design Evaluation Based on Performance of Stress Analysis	International	9789-8116-7909-4	Springer Nature
15	TRUSHIT KIRTIKUMAR UPADHYAYA	Smart Antennas	Dual-Band Compact Transparent Fractal Antenna for Smart WLAN Applications	International	9783-0307-6636-8	Springer
17	ASHWINKUMAR BHANUPRASAD MAKWANA	The Smart Innovation, Systems and Technologies IOT with Smart Systems	Microservices in IoT Middleware Architectures: Architecture, Trends, and Challenges	International	978-981-19-3575-6	Springer Nature
18	ASHWINKUMAR BHANUPRASAD MAKWANA	Lecture Notes in Electrical Engineering Futuristic Trends in Networks and Computing Technologies	Comparison of BERT-Base and GPT-3 for Marathi Text Classification	International	9789-8119-5037-7	Springer Nature Singapore Pte Ltd
19	SAGARKUMAR BALDEVBHAI PATEL	Lecture Notes in Electrical Engineering	Superstrate Microstrip Antenna for 5G Wireless Communication Applications	International	9789-8119-1645-8	Springer Nature Singapore
20	JITENDRA PRABHAKAR CHAUDHARI	Emerging Technology Trends in Electronics, Communication and Networking. Lecture Notes in Electrical Engineering, vol 952	Performance Analysis of Corrugated Horn Antenna for Liquid Level Measurement Application	International		Springer
21	TUSHAR SUMANCHANDRA BRAHMBHATT	New Trends and Digital Adoption: A Paradigm Shift in Higher Education	Blended Learning in Higher Education: A Method for Learners to Engage in	National		Author's Press

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
			Interactive, Collaborative, and Active Learning			
22	DHARMENDRA TRIKAMLAL PATEL	Applying Data Science and Learning Analytics Throughout a Learner's Lifespan	Univariate and Multivariate Filtering Techniques for Feature Selection and Their Applications in Field of Machine Learning	International	1799-8964-47	IGI Global
23	BINITKUMAR NAINESHBHAI PATEL	Transitional Shift in Commerce, Management and IT: Challenges & Opportunities	DETERMINANTS OF MOBILE BRAND SWITCHING BEHAVIOR: A SPECIAL REFERENCE TO USERS OF GUJARAT	National	9789-3908-6368-6	NPA Publishing Co.
24	JIMITKUMAR RATILAL PATEL	Numerical Modelling and Optimization in Advanced Manufacturing Processes, Materials Forming, Machining and Tribology	A Comparison of Ferrofluid Flow Models for a Curved Rough Porous Circular Squeeze Film Considering Slip Velocity and Various Shapes	International	2195-092X	Springer Nature Switzerland
25	RAVI RAI DANGI	Operation Theatre Techniques	Surgical Team	International		SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE
26	VIDHI VINODCHANDRA THAKAR	Physiotherapy in Cardiopulmonary Conditions	Respiratory muscle dysfunction and training	National	0000-0000	Jaypee Brothers Medical publishers(P) LTD
27	BALAGANAPATHY MURUGANANTHAN M	Productivity with Health, Safety, and Environment	Respiratory Muscle Strength Training and Pulmonary Function Changes in Subjects with Chronic Neck Pain	International	2509-5994	Springer

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
28	JAIMIN NAVINCHANDRA UNDAVIA	IGI Global book series Advances in Medical Technologies and Clinical Practice (AMTCP) Book Series	Machine Learning for Healthcare: Various Tools and Techniques of Machine Learning in Healthcare	International	2327-9354	British Cataloguing in Publication Data, British Library
29	BRIJESHKUMAR YOGESHBHAI PANCHAL	BHARAT AT 75 Bharti Publications EmpowerIndia for Better Tomorrow	Educational Dimensions of India	National	9391-6813-79	Bharti Publications New Delhi- 110002 (INDIA)
30	BRIJESHKUMAR YOGESHBHAI PANCHAL	BHARAT AT 75 Bharti Publications EmpowerIndia for Better Tomorrow	Technology in Education to Bridge India and Bharat	National	9391-6813-79	Bharti Publications New Delhi- 110002 (INDIA)
31	BHAVTOSH ANILKUMAR KIKANI	Agricultural Nanobiotechnology Biogenic Nanoparticles, Nanofertilizers and Nanoscale Biocontrol Agents	Role of engineered nanomaterials in sustainable agriculture and crop production.	International	9780-3239-1908-1	Woodhead Publishing Series in Food Science, Technology and NutritionElsevier
32	HARDIK P MODI	Recycling of Primordial Aeon Television and E-Waste Management due to Technological Evolution. A Survey	Recycling of Primordial Aeon Television and E-Waste Management due to Technological Evolution. A Survey	International		GRIN Verlag
33	JALPA VASHISHTHKUMAR SUTHAR	COVID-19 Drug Development - Recent Advances, New Perspectives, and Applications	Inclusive Review on Existing Treatment and Management Modalities for Covid-19	International		IntechOpen

<b>Sl. No.</b>	<b>Name of the teacher</b>	<b>Title of the book / chapters published</b>	<b>Title of the paper</b>	<b>National / International</b>	<b>ISBN/ISSN number</b>	<b>Name of the publisher</b>
34	RAVISH JANAKBHAI PATEL	Applications of Next Generation Biosurfactants in the Food Sector	Optimization and characterization of various biosurfactant and application in food industries	International	9780-1282-4283-4	Elsevier Inc.
35	RANDHAWA KAWALJITSINGH MANSINGH	Advances in Materials Science Research	Current Application Areas of Polymer Composites and Possible Future Trends	International	2159-1997	Nova Science Publishers
36	KIRTI JAYANTIBHAI MAKWANA	Futuristic Trends in Management	FUTURISTIC TRENDS IN PROJECT MANAGEMENT	International	9789-3956-3271-3	Iterative International Publishers (IIP)
37	MRUNALI RASHMIN PATEL	Nanotechnology and Regenerative Medicine	Nanotechnology and stem cell therapy for combating COVID-19	International	9780-3239-0432-2	Academic Press
38	NILAY DHIRENKUMAR SOLANKI	Indopathy for Neuroprotection: Recent Advances	Diabetic Neuropathy and Neuroprotection by Natural Products	International	9789-8150-5087-5	Bentham Science Publishers
39	HARDIK P MODI	Adaptive Features and Context Awareness of a Smart Car	Adaptive Features and Context Awareness of a Smart Car	International		GRIN Verlag
40	PRANAV DHIMANTKUMAR DESAI	PROSPECTS OF SMART TOURISM IN INDIA- A POST-PANDEMIC PERSPECTIVE	PROSPECTS OF SMART TOURISM IN INDIA- A POST-PANDEMIC PERSPECTIVE	National	9789-3908-6342-6	National Press Associates New Delhi
41	BHAVTOSH ANILKUMAR KIKANI	Application of Biofilms in Applied Microbiology	Pseudomonas putida biofilm: development and dynamics	International	9780-3239-0513-8	Academic Press- Elsevier
42	BANSARI BHAVDIPBHAI PATEL	Emerging Technologies for Combatting Pandemics	Patient Recovery and Tracing Repercussions for COVID-19 in Discharged Patients	International	9781-0033-2444-7	Taylor & Francis Group

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43	BANSARI BHAVDIPBHAI PATEL	Emerging Technologies for Combatting Pandemics	Various Deep Learning Methodologies for COVID-19 Diagnosis	International		Taylor & Francis Group
44	KANWAR PREET KAUR	Terahertz Devices, Circuits and Systems: Materials, Methods and Applications	An Ultra-Thin Octad-Band THz Metamaterial Absorber with Polarization-Insensitivity for Sensor Applications	International	9789-8119-4105-4	Springer Singapore
45	RAVI RAI DANGI	Applied Anatomy & Physiology For Nurses	The cardiovascular system	National	9789-3565-9732-7	P.K.PANWAR Books
46	FRANNY JOEL EMMANUEL	nursing management and leadership	personal management review	International	9788-1960-6328-3	interactive international publisher
47	JANKIBEN KIRITBHAI PATEL	Endophytes: Types, Potential Uses and Mechanism(s) of Action	Exploring the Multi-Faceted Endophytes to Enhance Plant Growth and Tolerance toward Environmental Stress	International	9798-8869-7045-6	Nova Science Publishers, Inc.
48	KAUSHIK ROHITKUMAR TRIVEDI	Futuristic Trends in Social Sciences	PROMOTING EMPLOYABILITY SKILLS AMONG THE GRADUATES THROUGH THE COURSES OF HUMANITIES TO BRIDGE THE GAP BETWEEN INDUSTRY AND ACADEMIA IN INDIA	International	9789-3956-3275-1	Interactive International Publishers

### Event participation with Financial Support

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>
2022-23	ME	ABHISHEK SWARNKAR	The Development and Fabrication of a Medical Pump	20000
2022-23		AKASH VISHNUPRASAD VYAS	WORKSHOP ON INTERPRETATION OF INSTRUMENTAL METHODS	4000
2022-23		ANAND PURSHOTAMBHAI PATEL	MG Nurture Faculty Development Program	27100
2022-23		AXAT VIJAYKUMAR PATEL	Inflatable Structures & Lightweight Materials: A new era of Space and Defence Applications	6750
2022-23			5th COSPAR Symposium, 16 - 21 April, Singapore	100000
2022-23		BHAVIN HAreshkumar MEHTA	14th International conference on Material Processing and Characterization	10000
2022-23			Third International Conference on Advancements in Research & Development ICARD 2023	1500
2022-23		DATTATRAYA GANPATRAO SUBHEDAR	International Conference on Materials Manufacturing and Characterization-2023	18938
2022-23		GAJANAN S PATANGE	Mechanical & Automotive Research Conference MechResCon2023	11250
2022-23			Productivity Improvement to Achieve Competitive Edge	9000
2022-23		GAURANG ARVINDBHAI PATEL	2023 Fifth International Conference on Materials Science and Manufacturing Technology (ICMSMT 2023)	2500
2022-23		KAMLESH V CHAUHAN	14th International Conference on Materials Processing and Characterization 2023	18940
2022-23		MAULIK V SHAH	Inflatable Structures and Lightweight Materials: A new era of Space and Defence Applications	6750
2022-23		MAYURKUMAR PRAVINCHANDRA SUTARIA	Awareness of NEP 2020 and its Implementation	1000
2022-23		PUNIT BABUBHAI PATEL	4th International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2022)	14300
2022-23			SANMANTRANA – 2023	3890

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>
2022-23	CL	NIRPEX AMRUTLAL PATEL	Energy Asset Management in Rural and Urban Areas	750
2022-23		VIPUL HARSHADBHAI VYAS	T H I R D I N T E R N A T I O N A L C O N F E R E N C E O N Maintenance and Intelligent Asset Management (ICMIAM2022)	750
2022-23		JAY KIRITKUMAR BHAVSAR	International Conference on Climate Resilient Construction and Building Materials (ICCRCBM - 2023)	20000
2022-23		GARGI KETUL RAY	4 days training programme on 'ISO/IEC 17025:2017 Lab Management Awareness & Internal Auditing (as per NABL requirements)	10500
2022-23			2 days training programme on 'Uncertainty Measurement'	7500
2022-23		KANCHAL DAVE	ISO/IEC 17025:2017 Lab Management Awareness & Internal Auditing (as per NABL requirement)	10500
2022-23			Uncertainty Measurement	7500
2022-23	EE	Saiyad Muhammadsoaib M.	FDP/Workshop entitled "MG Nurture Program"	11800
2022-23			International conference at R K University on 'Science, Engineering and Technology'	7500
2022-23			Workshop entitled "Moving towards more Electric Transportation"	890
2022-23		Mihir Mehta	conference entitled "IEEE International Power and Renewable Energy Conference"	7643
2022-23	EC	MIRAL MUKESHBHAI DESAI	International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2022)	20000
2022-23		BRIJESH LAXMANBHAI KUNDALIYA	GTU ICON 2022	1500
2022-23		POONAM JAYANTIBHAI THANKI	Wireless, Antenna & Microwave Symposium (WAMS 2023)	9300
2022-23		KILLOL VISHNUPRASAD PANDYA	Wireless, Antenna and Microwave Symposium (WAMS)	6700
2022-23		UPESH PARBHUBHAI PATEL	Wireless, Antenna and Microwave Symposium (WAMS)	10000

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>
2022-23	CE	SAGARKUMAR BALDEVBHAI PATEL	PiCET 2023	10000
2022-23		DHAVALKUMAR AMBALAL BHOI	3rd Congress on Intelligent Systems (CIS 2022)	9400
2022-23		MARTIN KANTILAL PARMAR	International Conference on Artificial Intelligence, Blockchain, Computing and Security (ICABCS 2023)	9000
2022-23			Augmented Reality Virtual Reality to Augment Learning Outcome of Primary School Children	7000
2022-23		MRUGENDRASINH Laxmansinh RAHEVAR	International Conference on Artificial Intelligence and Smart Communication	8000
2022-23			International conference on Artificial Intelligence, Blockchain, Computing and Security (ICABCS-2023)	9000
2022-23		NIKITA MAHESHKUMAR BHATT	Seventh International Conference on Smart Trends in Computing and Communications	6500
2022-23		RITESH PRAVINBHAI PATEL	Discover the endless possibilities for innovation	4400
2022-23			Workshop on IPv6 Deployment	16775
2022-23		SNEHA ASHVINKUMAR PADHIAR	International Conference on Paradigms of Communication, Computing and Data Sciences (PCCDS 2022)	8260
2022-23			7th International Conference on ICT for Intelligent Systems (ICTIS - 2023)	11740
2022-23		Deep Kothadiya	International Conference on Artificial Intelligence and Smart Communication (AISC)	7000
2022-23	IT	SANKETKUMAR BHARATBHAI SUTHAR	7th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2022)	19980
2022-23		PURVI HARISHKUMAR PRAJAPATI	Seventh International Conference on Smart Trends in Computing and Communications (SMARTCOM-2022)	19960
2022-23		BIMAL HARIWADAN PATEL	7th International Conference on ICT for Intelligent Systems	17300

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>	
2022-23	RPCP	HEMANT NANDLALBHAI YADAV	The 7th International Conference on Information and Communication Technology for Intelligent Systems	16390	
2022-23		PARTH DILIPKUMAR SHAH	7th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS)	20000	
2022-23		JALPESH HARKISHANBHAI VASA	7th International Conference on Information and Communication Technology for Intelligent Systems	19988	
2022-23		CSE	AMIT RAMANLAL THAKKAR	Explore AV and Integrated Experience Solutions to Transform your Business	4500
2022-23		AMIT AMBALAL PATEL	21st International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems	20000	
2022-23		AVANI BHARATKUMAR CHOKSHI	START HERB: Journey from Innovation to Entrepreneurship in Herbals, a Two Days Conference on Herbal Medicines & Natural Products	1200	
2022-23		GAYATRIBAHEN CHHAGANBHAI PATEL	"Women in Science and Technology- Fostering Innovation"	5000	
2022-23			21st International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems	17000	
2022-23		JALPA VASHISHTHKUMAR SUTHAR	International Conference on Vaccine Research	6030	
2022-23			Dubai International Pharmaceutical and Technologies Conference and Exhibition DUPHAT 2023	100000	
2022-23		KANANKUMARI GAMANLAL GAMIT	START HERB: Journey from Innovation to Entrepreneurs In Herbals	1200	
2022-23		MEHUL MANUBHAI PATEL	Training program on "Molecular Docking & Molecular Dynamics" as a part of KAUSHALYA (Knowledge Advancement Using Skills on High-end Applied Life technology	10750	
2022-23		MRUNALI RASHMIN PATEL	Advances in Molecular diagnostics and precision Medicine (AMDPP-2022)	14643	
2022-23		NILAY DHIRENKUMAR SOLANKI	52nd Annual Conference Indian Pharmacological Society	19985	
2022-23		NIRAJ YASHVANTRAI VYAS	START HERB: Journey from Innovation to Entrepreneurship in Herbals	1200	

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2022-23	CMPICA		Workshop on Ayurvedic Phytochemicals: Recent Research and Clinical Implications	1650
2022-23			7th National Level Field Workshop on Medicinal Plants of the Western Ghat	17200
2022-23		RAJENDRA MULJIBHAI KOTADIYA	SUPER 11th Annual International Conference & Exhibition [SUPER 2022]	8420
2022-23		RASHMIN BHARATBHAI PATEL	International Conference on ADVANCES IN MOLECULAR DIAGNOSTICS AND PRECISION MEDICINE	14643
2022-23		RAVISH JANAKBHAI PATEL	21st International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems	20000
2022-23		SWAYAMPRAKASH KANTILAL PATEL	Workshop on Intellectual Property Rights	1560
2022-23		UMANG HARISHCHANDRA SHAH	Molecular Docking & Molecular Dynamics	10750
2022-23			Two Day National Conference ISFCON-2023 "COMMERCIALIZATION OF NATURAL PRODUCTS" Sponsored By AICTE, New Delhi	750
2022-23	CMPICA	KRISHNA KANT	International Conference on Emerging Trends in Expert Applications & Security	20000
2022-23		SHAILESH BABUBHAI KHANT	International Conference on Innovative Practices in Technology and Management	9440
2022-23		SANSKRUTI VRIJLAL PATEL	3rd International Conference on Artificial Intelligence and Smart Energy	8000
2022-23			2023 Third International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2023)	8500
2022-23		NILAYKUMAR MOHITKUMAR VAIDYA	7th International Conference on Information and Communication Technology for Intelligent Systems	15340
2022-23		MITTAL NIRBHIK DESAI	2nd International Conference on Data Science and Intelligent Applications (ICDSIA-2023)	2500

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2022-23		KANUBHAI KHODIDAS PATEL	Faculty Development Program On Machine Learning for Remote Sensing Data	13000
2022-23	DEPSTAR	HARDIK SUDHIRBHAI JAYSWAL	World Conference on Information Systems for Business Management	12324
2022-23			Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Bhaskar Pandya	Expert session on "Thrust areas for Research in English Language, Literature, and Communication	133
2022-23			Registration and accommodation for FDP – IPDC Organized by BAPS	4750
2022-23		Dr. Binit Patel	FDP on Data Analytics and Machine Learning	7080
2022-23		Dr. Hardi Raval	Exp towards the Second International Conference at UKA Trasadia university	34357
2022-23			Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Hiren Patel	Expert session on "Thrust areas for Research in English Language, Literature, and Communication	133
2022-23			Expert session on Techniques and Strategies for Teaching ESL	100
2022-23	IIIM	Dr. Kaushik Trivedi	Expert session on "Thrust areas for Research in English Language, Literature, and Communication	133
2022-23			Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Kinjal Bhatia	Expert session on "Thrust areas for Research in English Language, Literature, and Communication	133
2022-23		Dr. Kirti Makwana	Event Participation 2nd International Conference on Management of MSMEs at IIM Amritsar	19000
2022-23		Dr. Kshitij Trivedi	Travelling & Accommodation allowance for attending workshop on National Credit Frame Work (NCVF) @ IIT, Bombay	1946
2022-23			Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Lipi Acharya	Expert session on "Thrust areas for Research in English Language, Literature, and Communication	133

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>
2022-23		Dr. Pradip Zala	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Pradip Zala	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Dr. Reshma Sable	Participation in Short-Term Training Programme on "Certificate in Emotionally Intelligence Specialist" Organized by Middle Earth HR in Online Mode	15222
2022-23		Dr. Vijay Makwana	R participation & Paper Presentation in International Conference.	16000
2022-23		Dr. Vijay Makwana	Registration fees to participate in an international conference on "Socio-cultural dimensions of English studies" at HMPIETR	1500
2022-23		Dr. Vijay Makwana	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Vijay Makwana	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Dr. Vikas Raval	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Dr. Vikas Raval	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Mr. Robert Parmar	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Mr. Robert Parmar	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Mr. Snehal Bhatt	Online certification Program on Advanced Multivariate Data Analytics: Moderation and Mediation Analysis using AMOS & Process Macro	2950
2022-23		Ms. Bharati Kaknani	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Ms. Bharati Kaknani	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Ms. Celine Davla	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23		Ms. Celine Davla	Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133

<b>Year</b>	<b>Dept. / Institute</b>	<b>Name of teacher</b>	<b>Name of conference/ workshop attended for which financial support provided</b>	<b>Amount of support</b>
2022-23	ARIP	Ms. Jayshree Mehta	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23			Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Ms. Nishi Purohit	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23			Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Ms. Pranjal Bhatt	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23			Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		Ms. Priyanka Patel	Expert session on Techniques and Strategies for Teaching ESL	100
2022-23			Expert session on "Thrust areas for Research in English Language, Literature, and Communication"	133
2022-23		LOUREMBAM SURBALA DEVI	9th National Conference of Forum of Ethics Review Committees - FERCICON	7000
			Pravara Phyzion 2023 - National Physiotherapy Conference	8700
2022-23		VIDHI VINODCHANDRA THAKAR	60th Annual IAP Conference	11100
2022-23		P RATAN KHUMAN	Pravara Phyzion 2023 - National Physiotherapy Conference	17200
2022-23		HEMAL MAHENDRAKUMAR PATEL	Pravara Phyzion 2023 - National Physiotherapy Conference	17100
2022-23		MANSI K SONI	IFNRCON2023	20000
2022-23		DHRUVKUMAR PARESHKUMAR DAVE	7th Annual Conference of Society of Indian Physiotherapists	25812
2022-23		SWENI ATULKUMAR SHAH	World Physiotherapy Congress 2023	100000

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2022-23	PDPIAS	Dr. Seema Amin	Microbiology and Society : Current Trends and Future Prospects Microbes and Society: Current Trends and Future Prospects (MSCTFP-2022)	20000
2022-23		Dr. Manan Shah	66th DAE-BRNS Symposium on Nuclear Physics (SNP-2022)	20000
2022-23		Dr. Pragnesh Makwana	INTERNATIONAL CONFERENCE ON EVOLUTION IN PURE AND APPLIED MATHEMATICS (ICEPAM - 2022)	1000
2022-23			ACADEMIC WRITING FOR RESEARCH	950
2022-23			Online Induction Training/ Orientation Programme for Faculty in Universities/Colleges/ Institutions of Higher Education	1950
2022-23		Dr. Jimit Patel	National Conference on Special Functions and Allied Areas	1500
2022-23			International Conference on Mathematics and its Applications in Technology	1770
2022-23		Dr. Neeraj Jain	35th International Papillomavirus Conference	100000
2022-23		Dr. Rajesh Savalia	INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN CONTEMPORARY MATHEMATICS	750
2022-23		Dr. Rajendra Chauhan	National Conference on Special Functions and Allied Areas	1500
2022-23		Dr. Yogeshwari Patel	Summer Faculty Research Fellow Programme	19650
2022-23		Dr. Aditi Buch	Awareness of NEP 2020 and Its Implementation	1000
2022-23			Molecular Docking and Biological Software Packages for Data Analysis	2500
2022-23	MTIN	Mr.VipinVageriya	Cancer Care- Nursing Perspectives andResearch	14500
2022-23		Dr. Sapna Patel	Cancer Care- Nursing Perspectives andResearch	14100
2022-23		Ms. Rameshwari Zala	International conference on Healthcare Quality and PatientSafety	15000
2022-23		Dr. Deepak Krishnamurthy	Awareness workshops on Draft National CreditFramework (NCrF)	15600
2022-23			ISPN Conference 2023 Theme Role of Nurses in promoting mental health - Life Span Approach	11386

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2022-23	CIPS	Ms. Franny Emmanuel	Challenges and updates in emergency, Trauma and critical care nursing ( NCNCON 2023)	14400
2022-23			National conference on mental health in digital age	3000
2022-23		Ms. Binal Joshi	Challenges and updates in emergency, Trauma and critical care nursing ( NCNCON 2023)	14500
2022-23			National conference on mental health in digital age	3000
2022-23		Dr. Anjali Tiwari	16th National Conference- Promote Natural Birthing for health of mother and baby-Bring Midwives back	19900
2022-23		Dr. Homa Patel	National conference on mental health in digital age	3000
2022-23		Jaydevsinh Pargara	3rd IVI INTERNATIONAL OPTOMETRY CONFERENCE	20000
2022-23		Amita Patel	NATIONAL HEALTHCARE SKILLS CONCLAVE 2023	2000

## Award and Recognitions received by Faculty Members

The given details present the average percentage of full-time teachers who have received awards, recognition, fellowships at the State, National, and International levels from Government/Government-recognized bodies during the last five years. Additionally, the university provides incentives to teachers who receive state, national, and international recognitions/awards. These incentives include commendation and monetary incentive at a university function, commendation and medal at a university function, certificate of honour, and announcement in the newsletter/website. These incentives aim to acknowledge and celebrate the achievements of faculty members, fostering a culture of excellence and recognition within the university.

<b>Dept.</b>	<b>Name of the Faculty</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or Government recognised bodies</b>	<b>Name of the Awarding Agency</b>	<b>Type of the incentive given by the HEI in recognition</b>	<b>Nature of Award</b>
ME	ANAND PURSHOTAMBHAI PATEL	25-Aug-22	ASSISTANT PROFESSOR	Dronacharya Award	SAEINDIA	NIL	Academic
	AXAT VIJAYKUMAR PATEL	31-Oct-22	ASSISTANT PROFESSOR	Creative project prize winner, EW Project Challenge 2022	MOUSER Electronics Ltd.	NIL	Academic
	BHAVIN HARESHKUMAR MEHTA	17-Feb-23	ASSISTANT PROFESSOR	Delivered seminar on "Career Guidance for Diploma students"	C.U. Shah Government Polytechnic, Surendranagar	NIL	Academic
	GAURANG ARVINDBHAI PATEL	24-Feb-23	ASSISTANT PROFESSOR	Delivered seminar on "Career Guidance for Diploma students"	Government Polytechnic, Waghai	NIL	Academic
	RANDHAWA KAWALJITSINGH MANSINGH	31-May-23	ASSISTANT PROFESSOR	Member of Editorial Board	Hindawi	NIL	Academic

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CL	HITESHRI KAMLESHBHAI SHASTRI	24-Jun-23	PROFESSOR	"Completed course - The Science of Well-Being Yale University on Coursera platform"	Coursera	NIL	Academic
CE	AAYUSHI PUSHPAKANT CHAUDHARI	12-Mar-22	ASSISTANT PROFESSOR	Best Paper Award	Indian Institute of Information Technology Kota and California State University, USA	NA	Research
	MARTIN KANTILAL PARMAR	18-Mar-23	ASSISTANT PROFESSOR	Nominated for UNNATI mahotsav - Unnat Bharat Abhiyan Networking for National Atmanirbhar Technological Intervention - Mahotsav & Expo	IIT Delhi	NA	Academic
	NIKITA MAHESHKUMAR BHATT	22-Jun-23	ASSISTANT PROFESSOR	Top Performing Mentor for NPTEL online course "Programming, Data Structures and Algorithms using Python"	NPTEL	Other : Top Performing	Academic
	SARITA SANDIPKUMAR THUMMAR	8-Oct-22	ASSISTANT PROFESSOR	Hackathon Academy Mentor	SSIP, Govt. of Gujarat	Other : Selected for next round	Innovation
IT	BIMAL HARIVADAN PATEL	12-May-22	ASSISTANT PROFESSOR	Evaluator in Smart India Hackathon	Ministry of Education (GOI), AICTE, MOE's	NA	Academic

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					Innovation Cell (GOI), Persistent		
	JALPESH HARKISHANBHAI VASA	11-Nov-22	ASSISTANT PROFESSOR	SPOC in Smart India Hackathon, 2022	Ministry of Education, MoE's Innovation Cell (Govt. of India), AICTE	NA	Academic
	MADHAV MUKUNDBHAI AJWALIA	26-Aug-22	ASSISTANT PROFESSOR	Smart India Hakathon 22, Hackathon Academic Mentor	AICTE	NA	Academic
	NISHAT ANVARHUSEAN SHAIKH	21-Jun-23	ASSISTANT PROFESSOR	Top Performing Mentor for the NPTEL Online Certification Course "Problem Solving Through Programming in C" Jan-Apr 2023	NPTEL - Swayam	Other : Top Performing Mentor	Academic
	PARTH DILIPKUMAR SHAH	31-Dec-22	PROFESSOR	NPTEL Mentor Certificate for Programming in Java Course	NPTEL	NA	Academic
	PRITESHKUMAR NATAVARLAL PRAJAPATI	14-Oct-22	ASSISTANT PROFESSOR	Microsoft Certified: Security, Compliance, and Identity Fundamentals	Microsoft	NA	Academic
	PRIYANKA PRANAV PATEL	29-Jun-22	ASSISTANT PROFESSOR	Top Performing Mentor for course Problem Solving through programming in C	National Programme on Technology Enhanced Learning	First	Academic

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					(NPTEL) & MHRD & Swayam		
	PURVI HARISHKUMAR PRAJAPATI	8-Oct-22	ASSISTANT PROFESSOR	Hackathon Academic Mentor	Student Start-up and Innovation Policy (SSIP) and Gujarat Knowledge Society	NA	Academic
EC	ARPITA PINALKUMAR PATEL	8-Oct-22	ASSISTANT PROFESSOR	ELITE +SILVER CERTIFICATE IN NPTEL EXAM	NPTEL	NA	Academic
EE	JIGAR SUBODHCHANDRA SARDA	15-Apr-23	ASSISTANT PROFESSOR	Selection in Robofest 3.0 Competition	GUJCOST	Other : In top 31	Innovation
	KARTIKBHAI SHASHIKANT PANDYA	13-Jul-22	ASSISTANT PROFESSOR	Evolutionary Computation in the Energy domain: Risk-based Energy Scheduling 2022	Genetic and Evolutionary Computation Conference 2022	Third	Research
CSPIT AIML	NIRAV HASMUKHRAI BHATT	23-Jun-23	ASSISTANT PROFESSOR	Top Performing Mentor for NPTEL Course	IIT Madras	Other : Top Performing Mentor	Academic
CSPIT R&D	PRABHIN SUKUMARAN	2-Feb-23	ASSISTANT PROFESSOR	INQUA Financial Support	International Union For Quaternary Research (INQUA)	NA	Travel grant
DEPSTAR CE	DWEEPNA GARG	4-Dec-21	ASSISTANT PROFESSOR	WOMEN RESEARCHER AWARD	International Scientist Awards on Engineering, Science and Medicine,	NA	Research

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					Visakhapatnam, India, Organized by VDGGOOD Professional Association		
	GAYATRIBAHEN CHHAGANBHAI PATEL	29-Jan-23	PROFESSOR	Silver Award	Maker Fest Vadodara 2023	Second	Innovation
	KANANKUMARI GAMANLAL GAMIT	15-Oct-22	ASSOCIATE PROFESSOR	1st rank in oral presentation during internatioal conference	D Y PATIL UNIVERSITY AND ASSOCOATION OF PHARMACEUTICAL RESEARCH	First	Research
	MILAPKUMAR RAJESHBHAI PATEL	25-Feb-23	ASSISTANT PROFESSOR	Best Oral Presentation	Indian Pharmacological Society	Third	Research
	MRUNALI RASHMIN PATEL	27-Feb-22	PROFESSOR	MAKERS FEST VADODARA 2022- Gold Award	Yuvalaya Electronics Lab and Vadodara Innovation Council	Other : GOLD	Innovation
	NILAY DHIRENKUMAR SOLANKI	25-Feb-23	ASSOCIATE PROFESSOR	Best Oral presentation (2nd rank) in the 52nd IPSCON 2023	Indian Pharmacological Society and JSSAHER	Second	Research
	RAJENDRA MULJIBHAI KOTADIYA	19-Nov-22	ASSISTANT PROFESSOR	Best oral presentation	Society of Pharmaceutical Education & Research [SPER]	NA	Research

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	SWAYAMPRAKASH KANTILAL PATEL	11-Feb-23	ASSISTANT PROFESSOR	First Position in Oral Presentation at ISFCON 2023	ISF Pharmacy College	First	Academic
	UMANG HARISHCHANDRA SHAH	11-Feb-23	ASSOCIATE PROFESSOR	1st Rank in Oral Presentation	ISF College of Pharmacy with AICTE, New Delhi	First	Academic
CMPICA	SAGAR DIPAKKUMAR KAVAIYA	1-Mar-23	ASSISTANT PROFESSOR	Young Researcher Award 2022	InSc	NA	Research
IIIM	KIRTI JAYANTIBHAI MAKWANA	4-Mar-23	ASSISTANT PROFESSOR	Outstanding Woman Researcher in Human Resource Management	Venus International Foundation	NA	Research
	KSHITIJ GHANSHYAM TRIVEDI	16-Jun-23	ASSISTANT PROFESSOR	Appointment as Member of Doctoral Progress Committee (DPC) of PhD student at Gujarat Technological University	Gujarat Technological University	Other: Member of Doctoral Progress Committee (DPC)	Academic
	PRANAV DHIMANTKUMAR DESAI	6-Sep-22	ASSISTANT PROFESSOR	Certificate of Merit	Entrepreneurship Development Institute Of India	NA	Innovation
PDPIAS	JIMITKUMAR RATILAL PATEL	17-Oct-22	ASSISTANT PROFESSOR	An Expert Lecture	Parul University	NA	Academic
	MANANKUMAR NARESHKUMAR SHAH	19-Jan-23	ASSISTANT PROFESSOR	Session Chair	DAE-BRNS	NA	Research

<b>Dept.</b>	<b>Name of the Faculty</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or Government recognised bodies</b>	<b>Name of the Awarding Agency</b>	<b>Type of the incentive given by the HEI in recognition</b>	<b>Nature of Award</b>
	MANDAR DILIP KULKARNI	16-Aug-22	ASSISTANT PROFESSOR	Certificate of achievement awarded for successfully coordinating IPWI Forests 2022 Global Course Study Program	Indian Astrobiology Research Foundation	NA	Academic
	MANOJKUMAR BHAGUBHAI PRAJAPATI	16-May-23	ASSISTANT PROFESSOR	Sliver Elite in NPTEL online Certification	NPTEL - AICTE	Second	Academic
	MINAXI SAMATBHAI MARU	28-Oct-22	ASSISTANT PROFESSOR	NATIONAL ELIGIBILITY TEST - NET	National Testing Agency - NTA, University Grants Commission - UGC and Council of Scientific and Industrial Research - CSIR	NA	Academic
	PRATIKKUMAR MUKESHKUMAR PATANIYA	31-Mar-23	ASSISTANT PROFESSOR	Delivered an invited talk on "Two-dimensional Materials and their applications for green energy."	Parul Institute of Technology, Parul University	NA	Research
	SHWETA DEVENDRABHAI DABHI	5-Dec-22	ASSISTANT PROFESSOR	INSA Visiting Scientist Programme FY 2022-23	Indian National Science Academy	NA	Research
	VINODKUMAR POTHOJI CHACKARA	23-Feb-23	PROFESSOR	Delivered a invited lecture	DEPARTMHNT oF PHYSICS Indian	NA	Academic

<b>Dept.</b>	<b>Name of the Faculty</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or Government recognised bodies</b>	<b>Name of the Awarding Agency</b>	<b>Type of the incentive given by the HEI in recognition</b>	<b>Nature of Award</b>
					Institute of Space Science and Technology (IIST)		
ARIP	HETA RAJNIKANT PATEL	12-Feb-23	ASSISTANT PROFESSOR	Best IAP Women cell Office Bearer-2023	INDIAN ASSOCIATION OF PHYSIOTHERAPY	Other : National level	Extension Activity
	LOUREMBAM SURBALA DEVI	26-Feb-23	ASSISTANT PROFESSOR	2nd Prize Professional Paper Presentation	Pravara institute of medical sciences	Second	Research
	P RATAN KHUMAN	26-Feb-23	ASSISTANT PROFESSOR	2nd Prize in paper presentation under professional category at Pravara Phyzion 2023	Pravara Institute of Medical Sciences	Second	Research
	SWENI ATULKUMAR SHAH	7-Jan-23	ASSISTANT PROFESSOR	Best Paper presentation	R K School of Physiotherapy, R K University	First	Research
	VEDIKA PRADIPKUMAR UPADHYAY	13-May-23	ASSISTANT PROFESSOR	Effect Of physical therapy intervention in patients with IABP - A Literature Review	K. M. Patel Institute of Physiotherapy	First	Research
	VIDHI VINODCHANDRA THAKAR	12-Feb-23	ASSISTANT PROFESSOR	Senior Professional Platform	The Indian Association of Physiotherapists	First	Research
MTIN	ANILKUMAR PATIDAR	14-Mar-22	ASSISTANT PROFESSOR	E conference on OSCE & Role of Nurse in infection control	Dinsha Patel college of Nursing	NA	Academic

<b>Dept.</b>	<b>Name of the Faculty</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or Government recognised bodies</b>	<b>Name of the Awarding Agency</b>	<b>Type of the incentive given by the HEI in recognition</b>	<b>Nature of Award</b>
	DIVYA JAIN PACHORI	3-Oct-22	ASSISTANT PROFESSOR	Resource person in E-Conference	Dinsha Patel College of Nursing	NA	Academic
	FRANNY JOEL EMMANUEL	26-Jan-22	ASSISTANT PROFESSOR	best paper presenter	Nursing Scholar society & Vibrant Nursing College, Surat	First	Research
	SAPNA BHAVIN PATEL	12-Nov-22	ASSISTANT PROFESSOR	2nd position in poster presentation	NRSI	Second	Research
	SIDDARAM SHIVAJI SARATE	3-Dec-22	ASSISTANT PROFESSOR	Appointed as Adhoc Inspector of GNC	Gujarat Nursing Council	NA	Academic
	RAMESHWARI ZALA	28-Nov-22	ASSISTANT PROFESSOR	Appointed as Adhoc Inspector of GNC	Gujarat Nursing Council	NA	Academic
	DEEPAK K	7-Jan-23	ASSISTANT PROFESSOR	Resource person in Workshop on Clinical Examination on Neurology	Parul Institute of paramedical and health sciences	NA	Academic
	JAMIN CHAUHAN	12-May-23	ASSISTANT PROFESSOR	Judge of Personality contest	Zydus college of nursing , Anand	NA	Academic
	RENKINA MACWAN	21-Oct-22	ASSISTANT PROFESSOR	Resource person in Webinar on Advancement in cardiology	Parul Institute of Nursing	NA	Academic
	ANJALI PUSHKAR TIWARI		ASSISTANT PROFESSOR	Appointed as Expert for pre-synopsis viva/DRC	Uka Tarsadia University	NA	Academic
	SHAH HETAL JITENDRABHA	16-Dec-22	ASSISTANT PROFESSOR	Appointed as Adhoc Inspector of GNC	Gujarat Nursing Council	NA	Academic

<b>Dept.</b>	<b>Name of the Faculty</b>	<b>Year of Award</b>	<b>Designation</b>	<b>Name of the award, fellowship, received from Government or Government recognised bodies</b>	<b>Name of the Awarding Agency</b>	<b>Type of the incentive given by the HEI in recognition</b>	<b>Nature of Award</b>
CIPS	PARTH KANUBHAI THAKOR	17-Jun-23	ASSISTANT PROFESSOR	SERB INTERNATIONAL RESEARCH EXPERIENCE (SIRE) FELLOWSHIP	Science and Engineering Research Board, Government of India	NA	Fellowship
	RUMA SARKAR	24-Nov-22	ASSISTANT PROFESSOR	Awarded first in oral presentation at 3rd National Conference on Healthcare and Academia Summit:2022 and Beyond	Adamas University	First	Research

## MoUs and Collaborations

The given data outlines the number of functional Memorandums of Understanding (MoUs) established with institutions and industries both in India and abroad, facilitating various engagements such as internships, on-the-job training, project work, student/faculty exchange programs, and collaborative research initiatives during the year 2022-23. It shows university's initiatives to fostering meaningful partnerships with external entities to enhance student learning experiences, provide exposure to real-world scenarios, and promote research collaborations. The report highlights the institution's efforts to create opportunities for experiential learning, skill development, and academic exchange on a global scale.

Sr. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students / teachers participated
<b>DEPSTAR</b>						
1	Invisible Fiction	Industry/Association	2022	2 Year	1. Expert Talk 2. Students Internship	25
<b>CSPIT - CE</b>						
2	GESIA	Industry/Association	2013	Till the parties decide to terminate	We are receiving invitation for various events and initiative done by GESIAS	2 Faculties
3	Kodiak Networks India Private Limited	Industry/Association	2021	Till the parties decide to terminate	1. Inauguration of CHARUSAT Motorola Research and Innovation Center (CMRC). 2. Summer Internship of BTech 5th and 7th Semester Full time started online/offline (Baroda office). 3. MSI Internship program started on Audio codecs & VOIP signaling and media protocols for the selected 3 students.	3 Faculties, 47 students (Industrial Visit), (24+22+19 students summer Internship)

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
					<p>4. Motorola Solutions, Vadodara office Industrial visit by 47 students + 2 faculty members for industrial exposure.</p> <p>5. Mr. Hardik Kothari, Mr. Ranjit Pradhan and other team members from MSI give informative sessions for students.</p>	
4	Edunet Foundation	Industry/Association	2022	Valid till 31/3/2025	<p>1. 65 students have completed training under Code Unnati Banner.</p> <p>2. FDP on AI/ML was conducted from 14th to 18th Nov, 2022.</p> <p>3. FDP on IoT, SAP &amp; ABAP was conducted for faculties of all branches from 20th to 21st April, 2023.</p>	65 students 25 faculties
5	Bhaikaka University	Industry/Association	2022	5 Years	<p>Two separate Collaborative Research Projects going on: Section-A Designing, developing, and implementing a clinical pathway at tertiary care center: A prospective observational study.</p> <p>Section-B Experience in developing and implementing gamification as a learning approach for undergraduate health professional students for physiology course.</p>	10 Students, 2 Faculty members, 5 Bhaikaka university team

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
6	Infopercept Consulting Pvt. Ltd.	Industry/Association	2022	3 Years	<p>1. Two Research Projects are running under guidance of Infopercept Consulting Pvt.Ltd.</p> <p>2. Student Internship, Training and Placement. 5 Students went for internship, three students are still working. Placement opportunity extended to students who opted for job.</p> <p>3. Conduction of Faculty Training on Cybersecurity.</p> <p>4. Lab and syllabus updation in accordance with Industry Standards.</p>	<p>10 students 13 faculty members</p>
<b>CSPIT - CL</b>						
7	University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria	Industry/Association	2022	5 years	New MoU	1 Faculty
<b>CSPIT - ME</b>						
8	Margen Impex Pvt Ltd, Vallabh Vidyanagar	Industry/Association	2022	3 Years	Simulation Support	2 Faculties
9	Cipriani Harrison Valves Pvt. Ltd. Vallabh Vidyanagar	Industry/Association	2022	3 Years	Simulation Support	2 Faculties
<b>CSPIT</b>						

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
10	MG Motor India Pvt Ltd	Industry/Association	2022	Until Terminated	MG Motor gifted Vehicle MG ZS EV to CHARUSAT for training and education purpose	88 Students 06 Faculties
11	MG Motor India Pvt Ltd (MG Nurture Program)	Industry/Association	2023	1 Year	MG Motor will train the faculties and Instructors of CHARUSAT under MG Nurture program	72 Students 06 Faculties
<b>IIIM</b>						
12	Assumption University, Thailand	Industry/Association	2023	3 years	New MoU	86
13	Universitas Sumatera Utara, Medan, INDONESIA	Industry/Association	2023	3 years	New MoU - Summer Course on Digital Marketing	60
14	Vidya Wires Pvt. Ltd.	Industry/Association	2022	3 years	New MoU	
15	Margen Impex Pvt Ltd	Industry/Association	2023	1 Year	Training Programme on Employee Morale and Motivation and 5-S Philosophy	100
16	NJ India Invest Pvt. Ltd.	Industry/Association	2023	Valid Until Terminated	New MoU	
17	Acorn Universal Consultancy LLP	Industry/Association	2021	3 Years	Training Programme for Executives – Leading with Emotional Intelligence	65 Students 25 Faculties
18	BSE Investor Protection Fund	Industry/Association	2021	3 Years	Students Awareness Programme on Capital Market - 2022	110 Students 01 Faculty
<b>ARIP</b>						
19	Sheth HJ Mahagujarat Hospital, Nadiad	Hospital	2019	5 year	Educational support for clinical exposure, training of BPT, MPT students, Research activities, Internship	300 Students 04 Faculties

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
20	J.S. Ayurveda Mahavidyalaya, Nadiad	Hospital/ Association	2019	5 year	Educational support for clinical exposure, training of BPT, MPT students, Research activities, Internship	220 Students 03 Faculties
21	DDMM Heart Institute, Nadiad	Hospital	2022	3 years	Educational support for clinical exposure, training of BPT, MPT students, Research activities	139 Students 01 Faculties
22	Health Center Anand	Hospital	2019	5 years	Educational support for clinical exposure, training of BPT	59 Students 01 Faculties
23	Santram Physiotherapy Center, Nadiad	Hospital	2019	5 years	Educational support for MPT students, Research activities	10 Students 03 Faculties
24	Bhaikaka University	University	2022	1 year	Educational support for clinical exposure, training of MPT students, Research activities, Internship	32 Students
25	Shivam Orthopaedic hospital, Nadiad	Hospital	2018	5 years	Educational support for clinical exposure, training of BPT, MPT students, Research activities, Internship	54 Students 01 Faculties

#### CIVF

26	PatentWire Consultant Pvt. Ltd., New Delhi	Industry/Association	6th October, 2022	3 Years	Evaluated 14 patents filed by IPR cell of charusat university and suggested the course of actions for commercialization	07 Faculties
27	National Research Development Corporation, Ministry of Science and Technology, New Delhi, Govt. of India	Industry/Association	12th December, 2022	10 Years	Started the task of patent commercialization and till date TRL forms of the allotted technology are submitted	08 Faculties

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
28	Laja-a women forum	Industry/Association	31st march, 2023	5 Years	Assistance provided to 3 women entrepreneurs by guiding them on go-to-market strategy & providing them the opportunity of networking by inviting them at mentors meet and start-up meet, offered the chance to upscale by on boarding 03 women entrepreneurs as mentors at CIVF.	01 Faculty
29	100X.VC, Mumbai	Industry/Association	15th May, 2023	5 Years	Evaluated 3 CIVF's registered start-ups	1 Faculty
30	Charotar University of Science and Technology, Changa	Industry/Association	16th May, 2023	10 Years	CIVF has designed and printed the brochures of all 15 laboratories provided for commercialization. Data mining is done and field visit of EEL has started (covered 2 industry associations till date)	13 Faculties
31	AIC RAISE business Incubator, Hyderabad	Industry/Association	10th June, 2023	2 Years	Evaluated 5 start-ups for investment purposes	01 Faculty
32	Sharda Social Welfare trust, Nadiad	Industry/Association	12th July, 2023	5 Years	Disabled people's products such as rakhi and jewelery are promoted by organizing exhibitions. Their e-commerce website building is in progress and product catalogue is also being designed	01 Faculty
<b>BDIPS - BMIT</b>						
33	Narayan Hrudayalaya	Hospital/ Association	2020	3 years	Internship training	3 Students 1 Faculty

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
34	Anand Surgical hospital, Ahmedabad	Hospital	2020	3 years	Internship training	1 Students 1 Faculty
<b>BDIPS - BOTAT</b>						
35	Narayan Hrudayalaya	Hospital/ Association	2020	3 years	Internship training	3 Students 1 Faculty
<b>BDIPS - BOTAT</b>						
36	Anand Surgical hospital, Ahmedabad	Hospital	2020	3 years	Internship training	1 Students 1 Faculty
<b>RPCP</b>						
37	Amerise Pharmaceuticals Pvt. Ltd., Ahmedabad	Industry/Association	2019	5 year	Students' academic project	2 Students 4 Faculties
38	Apnar Pharma Pvt. Ltd., Vadodara	Industry/Association	2021	3 year	Consultancy Project	2 Students 2 Faculties
39	Zydus Lifesciences Ltd.(Cadila Healthcare Ltd.), Ahmedabad	Industry/Association	2020	6 year	Deputed RA students for Project, placement of 3 students, Industry-academia convergences sessions (15 lectures)	50 Students 4 Faculties
40	Zycie Technolegal LLP, Ahmedabad	Industry/Association	2019	5 year	Consultancy Project	7 Students 5 Faculties
41	Muljibhai Patel Urological Hospital	Hospital/ Association	2022	5 year	4 research projects	4 Students 6 Faculties
42	Amanta healthcare Ltd	Industry/Association	2023	5 years	Training, Placement and Research consultancy	7 Students 5 Faculties
<b>KRADLE</b>						
43	Slovak Academy of Sciences	Industry/Association	2020	5 Years	Analysis of magnetic fluid. Joint Publication of research paper.	2 Faculties

<b>Sr. No.</b>	<b>Organisation with which MoU is signed</b>	<b>Name of the institution/ industry/ corporate house</b>	<b>Year of signing MoU</b>	<b>Duration</b>	<b>List the actual activities under each MOU year wise</b>	<b>Number of students / teachers participated</b>
<b>MTIN</b>						
44	N.D Desai faculty of medical sciences & research	Hospital/ Association	2023	3 years	Clinical posting	66
45	Muljibhai Patel Urological Hospital	Hospital	2023	3 years	Clinical posting	58
46	Medical care centre trust(MCCT)	Hospital / Association	2022	3 years	Clinical posting	58

## Consultancy and Revenue Generated through Consultancy

The given details highlight the revenue generated from consultancy and corporate training activities conducted by the university during the year 2022-23. This data reflects the institution's engagement with external stakeholders and its ability to provide specialized services and training programs to corporate clients, contributing to its financial sustainability and broader impact.

Name of the consultant	Name of consultancy project	Consulting / Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Nilesh Dubey	Augmented Reality based Load Bank Training and Customer Support Application Development	Margen Impex Ltd., V. U. Nagar Anand, +91 9898 569 993	0.5
Dr. Swayamprakash Patel	Lyophilized product development	Mr. Suresh Patel, Armein Pharmaceutical pvt Ltd	0.175
Dr. Umang Shah	Cell line studies	Pratik Vohra, Parul University	0.13
Dr. Umang Shah	Cell line studies	Mr. Nirav Chauhan, Gujarat Technology University	0.17
Dr. Umang Shah	Cell line studies	Ms. Sonal H. Kanani, Marwadi University	0.26
Dr. Mehul Patel / Dr. Swayamprakash Patel	Lyophilized product development	Mr. Viral Shah, APNAR Pharma	0.325
Dr. Samir Patel / Dr. Manan Raval / Dr. Amit Patel	Formulation development	Ms. Ketana Babaria, Zycie technolegal LLP	1.765
Dr. Manan Raval / Dr. Ashish Patel	Separation of compound by flash chromatography	Team Caryota Flavo, Sumandeep Vidyapeeth	0.08
Dr. Umang Shah	Cell line studies	Mr. Mansinh Patil, , Parul University	0.21
Bhargav Shobhana /Jay Bhavsar	Consultancy revenue generated from Concrete Technology Laboratory	Various Clients	0.198

Name of the consultant	Name of consultancy project	Consulting / Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Environmental Engineering Lab	Consultancy revenue generated from Environmental Engineering Laboratory	GPCB Allocate Industries	30.86
Dr. Ritesh Patel	eGovernance Education ERP	Gandhinagar University	2.51
Dr. Vijay Panchal	WASH program in schools and community of CEE	Centre for Environment Education	1.2
Dr. Aditi Buch	PGP activity report for individual bacteria in the complex consortia and creating secondary verification reports of selected nutrient-related PGPR activities	Gujarat Eco Microbial Technologies Pvt Ltd, Vadodara	0.63
Dr. Kinnari Parekh	XRD usage for measurement of outside samples	Individual client	0.459
	SEM usage for measurement of outside samples	Individual client	1.152
	Rheometer usage for measurement of outside samples	Individual client	1.471
	TGA/DSC usage for measurement of outside samples	Individual client	0.288
	FTIR usage for measurement of outside samples	Individual client	0.6816
	DLS usage for measurement of outside samples	Individual client	0.264
	UV-VIS Spectrophotometer usage for measurement of outside samples	Individual client	0.04
	VSM usage for measurement of outside samples	Individual client	0.447
	Four ball tester usage for measurement of outside samples	Individual client	0.06
	Custom design magnetic fluid supply to IIT Guwahati and Khalifa University	Individual client	0.33
	ANALUBE lab ICP-OES usage for measurement of outside samples	Individual client	2.31
	ANALUBE lab instruments usage for measurement of outside samples	Individual client	6.306
	ANALUBE lab instruments usage for measurement of outside samples	Saurabh Patel	0.01494

Name of the consultant	Name of consultancy project	Consulting / Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Dr. Divyanshu Purohit & Dr. Bhaskar Pandya	IRMA KAP Survey	Institute of Rural Management Anand (IRMA)	4.97
Indukaka Incowala Institute of Management	Prabandhan 2022	Various Clients	5.7
CMPICA Computer Laboratory	Test Venue Infrastructure for Online Exams - NEET PG	Sans Prints Private Limited	0.755
<b>Total</b>			<b>64.261</b>

Revenue generated from corporate training during the year				
Names of the teacher-consultants/corporate trainers	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees
Dr. Samir Patel, Dr. Archita Patel, Mr. Nikunj Parekh, Dr. Nitin Lunagariya	Certificate course on Pharmaceutical Impurities: Generation, Identification and Profiling	Various Participants	102660	58
Dr. Binit Patel	05 Days faculty Development Program on "Machine Learning and Business Applications"	Various Participants	21000	14
<b>Total</b>			<b>123660</b>	

## **Professional Development and Training Programmes Conducted - Academic and FDP**

The following details present data on the number of professional development and administrative training programs organized by the university for both teaching and non-teaching staff throughout the year. These programs aim to enhance the skills, knowledge, and efficiency of staff members, fostering their professional growth and contributing to the overall effectiveness of the institution. By documenting the number of training programs conducted, the report underscores the institution's commitment to continuous learning, capacity building, and professional development among its workforce.

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
<b>CSPIT- ME</b>		
05-09-2022 to 05-09-2022	Expert Session on "Meditation Reduces Discrimination"	15
13-09-2022 to 13-09-2022	Industry visit at Suryadeep Alloy Steels Castings and Shree Vallabh Alloy Steel Castings, V. U. Nagar	3
26-09-2022 to 28-09-2022	The Development and Fabrication of a Medical Pump	11
22-10-2022 to 22-10-2022	Expert lecture on Geometric Dimensions and Tolerances	2
21-10-2022 to 21-10-2022	LaTeX- an academic writing tool	25
01-11-2022 to 05-11-2022	One Week Faculty Development Program (FDP) on "Curriculum Design for Outcome-Based Education"	25
21-12-2022 to 21-12-2022	INDUSTRY INTERACTION AT PRECISION BEARINGS PVT. LTD., AHMEDABAD	4
10-10-2022 to 10-10-2022	Industry Interaction at Chicago Blowers India Pvt Ltd	3
07-12-2022 to 07-12-2022	Visit to Intersolar India Expo - The smarter E India 2022	3
30-01-2023 to 30-01-2023	Visit to VCCI Expo 2023	1

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
07-02-2023 to 07-02-2023	Alignment of university exam paper with competitive exam paper	16
15-03-2023 to 15-03-2023	Short Film Competition on the Theme of " Gender Equality	20
16-03-2023 to 16-03-2023	Industry visit at Precision Bearings Pvt. Ltd.	54
28-03-2023 to 28-03-2023	Expert Talk on " Application of CFD in Fluid Flow and Heat Transfer Problems" by Dr. Lakdawala from Nirma University	59
13-05-2023 to 13-05-2023	Workshop on Fusion 360	3
09-06-2023 to 10-06-2023	Design Thinking	20
<b>CSPIT- CL</b>		
02-09-2022 to 03-09-2022	Drone Surveying and Mapping	44
08-09-2022 to 12-09-2022	Visit to Amul Chocolate plant,Mogar	566
01-05-2023 to 01-05-2023	Visit of Civil engineering students at construction site of Ahmedabad Airport	11
21-03-2023 to 21-03-2023	Concepts of Intellectual Property Rights: A Budding Innovators' Perspective	10
<b>CSPIT- CE</b>		
14-11-2022 to 18-11-2022	Artificial intelligence, Machine Learning, and Deep Learning	25
14-04-2023 to 14-04-2023	Bhav Spandana: the fundamentals to transform your existence	19
20-04-2023 to 21-04-2023	Internet of Things (IoT) and SAP – ABAP	23

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
<b>CSPIT- IT</b>		
23-03-2023 To 23-03-2023	Webinar on Information about the importance of ABC-ID as a part of NEP – 2020	34
<b>CSPIT- EC</b>		
25-03-2023 to 25-03-2023	Hackathon	80
02-03-2023 to 02-03-2023	PYTHON AND IT'S USE CASES FOR DIFFERENT EC DOMAIN	54
13-10-2022 to 13-10-2022	Design of IoT Networks using Cisco Packet Tracer & Contiki OS	39
18-07-2022 to 22-07-2022	One Week STTP on "Modern Natural Language Processing based Applications using Artificial Intelligence and Machine Learning"	40
09-12-2022 to 10-12-2022	2022 4th International Conference on Soft Computing and its Engineering Applications	178
26-12-2022 to 06-01-2023	STEAM based Training for the skill Enhancement "Robotics Master Training and Certificate Program"	4
<b>DEPSTAR</b>		
05-08-2022 to 06-08-2022	PYTHAKON-22	276
21-04-2023 to 21-04-2023	Workshop on "LaTeX" (With Hands-on)	25
17-10-2022 to 21-10-2022	GUJCOST sponsored STTP on Future of Machine Learning & Deep Learning for HealthCare Analytics	66
14-04-2023 to 14-04-2023	Panel Discussion on "The Future of Information & Technology Sector - Opportunities for Creating & Seeking Jobs"	178
13-07-2022 to 13-07-2022	Intellectual Property Rights (IPR) & Patents and Design filing	133

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
07-06-2022 to 08-06-2022	Industrial Exposure Training on Flutter	35
11-03-2023 to 11-03-2023	Expert Session on Database Management Trends in 2023	98
10-09-2022 to 10-09-2022	Expert Talk on Early Classification of Sensory Data and Applications	53
<b>IIIM</b>		
12-06-2023 to 16-06-2023	Machine Learning & Business Applications	12
21-03-2023 to 21-03-2023	New Skills for New World	55
21-03-2023 to 21-03-2023	Creating Moving Organizations	16
22-03-2023 to 22-03-2023	Scientific Writing and Publications	20
04-07-2022 to 04-07-2022	Creative Thinking	63
<b>ARIP</b>		
22-08-2022 to 25-08-2022	Late Chanchalben Chunibhai Patel Endowment Chair Activity	17
<b>PDPIAS</b>		
03-09-2022 to 03-09-2022	A Special Lecture on “Elementary q-theory”	23
11-11-2022 to 11-11-2022	Colloquium on Nobel Prize 2022	166
04-02-2023 to 04-02-2023	One Day Workshop on “Problem Solving in Mathematics (PSM – 2023)”	84

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
10-12-2022 to 10-02-2022	Python Programming for Data Science	84
10-03-2023 to 11-03-2023	Expert lecture on Flexible electronic devices and sensors for multifunctional applications	62
13-03-2023 to 13-03-2023	Expert lecture on The Quest for Particles: Discoveries and Scientific Progress	55
13-03-2023 to 17-03-2023	Shree Pramukh Swamiji Maharaj Endowment Chair Lecture Series	186
<b>MTIN</b>		
04-07-2022 to 08-07-2022	Endowment chair on "Academic writing"	46
03-09-2022 to 03-07-2022	Workshop on "Blended learning"	102
08-10-2022 to 08-10-2022	Workshop on "Qualitative methods in health research"	53
16-12-2022 to 16-12-2022	Workshop on "Cancer screening and hands on training"	187
10-01-2023 to 10-01-2023	Workshop on "Intrapartum monitoring and management"	125
10-03-2023 to 11-03-2023	National conference on " Nursing research-A journey towards nurse scientist"	134
28-04-2023 to 28-03-2023	Ethics Review on Health Research	110
<b>BDIPS</b>		
30-05-2023 to 30-05-2023	Importance of Outcome based medical education & Blueprinting in assessment	30

<b>Dates (from-to)</b>	<b>Title of the professional development program organised for teaching staff</b>	<b>No. of participants</b>
<b>HRDC</b>		
14-11-2022 to 18-11-2022	Faculty Development program in 02 Phase - "Edunet Code Unnati"	25
18-11-2022 to 20-11-2022	Out bound Training program at Vasad Ashram for teachers	10
07-12-2022 to 08-12-2022	Etching a Quality networked education blueprint	33
25-01-2023 to 25-01-2023	Efficiency Improvement	89
31-01-2023 to 31-01-2023	Acquaintance with IPR: The Engineer's Perspective	80
10-02-2023 to 11-02-2023	Pratiman	19
<b>RPCP</b>		
03-03-2023 to 04-03-2023	National Conference on Trends in Natural Products for Immunotherapeutics	3
<b>CSE</b>		
21-01-2023 to 21-01-2023	Are we really Listening or just Hearing? (Equal Opportunity Cell Activity)	63
<b>DEPSTAR</b>		
30-06-2023 to 30-06-2023	Poster Designing using Canva	4
<b>HRDC</b>		
10-02-2023 to 11-02-2023	OBT at Ratanmahal for UIIC, CDPC and HRDC Hub members	29
22-02-2023 to 27-02-2023	Pratiman	18

## Programme Conducted as Extension Activities through NSS / NCC / Red cross / YRC

The following data provides details on the number of extension and outreach programs conducted by the institution through various channels such as NSS, NCC, Red Cross, YRC, etc., throughout the year. These programs encompass both government-initiated initiatives such as Swachh Bharat, AIDS Awareness, Gender Issues, etc., as well as collaborative efforts with industry, community, and NGOs. Additionally, the data includes information on the total number of students actively participating in these extension activities, demonstrating the institution's commitment to social responsibility and community engagement.

Sr. No.	Name of the activity	Organising unit/ collaborating agency	Name of the scheme	Number of students participated
1	Environment Day Celebration on 4th June 2022	CHARUSAT NSS UNIT and Environment Club	Green India Mission	16
2	A Six Day workshop on skill & personality development at Ektanagar Primary School, Napa from 5-10th june 2022 in collaboration with CREDP	CREDP	National Literacy Mission Program	4
3	Online Expert Session - YOGA and Its Impact on Youth by I2IM on 20th June 2022	IIIM NSS	Fit INDIA	5
4	International Yoga Day Celebration under Azadi Ka Amrit Mahotsav on 21st june 2022	CHARUSAT NSS Unit	Fit INDIA	164
5	Online Quiz Competition as a part of the celebration of 8th International Day of Yoga	PDPIAS NSS Unit	Fit INDIA	239
6	Workshop on Emotional Intelligence by CREDP and IIIM for the 12th std. students of Roon Higher Secondary School, Roon, Gujarat	CREDP & IIIM	National Literacy Mission Program	5
7	Capricon Rescue	CHARUSAT NSS Unit	----	2
8	NSS Orientation for Volunteers ( EC)	EC NSS Unit	----	3
9	NSS Orientation for Volunteers ( PDPIAS)	PDPIAS NSS Unit	----	2
10	NSS Orientation for Volunteers ( IIIM)	IIIM NSS Unit	----	5
11	Evening Study Class	CREDP	National Literacy	16

<b>Sr. No.</b>	<b>Name of the activity</b>	<b>Organising unit/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Number of students participated</b>
			Mission Program	
12	NSS Orientation for Post Graduate Volunteers (CMPICA)	CMPICA NSS Unit	----	3
13	NSS Orientation for Under Graduate Volunteers (CMPICA)	CMPICA NSS Unit	----	2
14	CHARUSAT Campus Visit by Tranja School Students	CREDP	National Literacy Mission Program	12
15	Tree Plantation	CHARUSAT NSS Unit, NCC Unit, Team Environment and Rotary Club	Green India Mission	60
16	Training on Dance for school students	CHARUSAT NSS Unit	----	5
17	Tiranga Awareness campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	7
18	Tiranga Awareness campaign	EC NSS Unit	Har Ghar Tiranga	3
19	Tiranga Awareness campaign	CMPICA NSS Unit	Har Ghar Tiranga	3
20	Tiranga Awareness campaign	PDPIAS NSS Unit	Har Ghar Tiranga	9
21	Orientation session for PDPIAS Bachelors students	PDPIAS NSS Unit	----	7
22	Tiranga Awareness campaign	IT NSS Unit	Har Ghar Tiranga	6
23	Tiranga Awareness campaign	RPCP NSS Unit	Har Ghar Tiranga	8
24	Tiranga Awareness campaign	CREDP	Har Ghar Tiranga	8
25	Tiranga Awareness campaign	CE NSS Unit	Har Ghar Tiranga	5
26	Tiranga Awareness campaign	CL NSS Unit	Har Ghar Tiranga	9
27	Tiranga Selfie Point	CHARUSAT NSS Unit	Har Ghar Tiranga	42
28	Poster competition	RPCP	Har Ghar Tiranga	19
29	Singing competition on patriotic songs	RPCP	Har Ghar Tiranga	29

<b>Sr. No.</b>	<b>Name of the activity</b>	<b>Organising unit/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Number of students participated</b>
30	Drawing competition	MTIN	Har Ghar Tiranga	12
31	Tiranga Awareness campaign	CREDP	Har Ghar Tiranga	20
32	Flag making competition	CREDP	Har Ghar Tiranga	6
33	Flag making competition	CREDP	UBA	4
34	Flag making competition	CREDP	Har Ghar Tiranga	2
35	Flag making competition	CREDP	Har Ghar Tiranga	4
36	Flag making competition	CREDP	Har Ghar Tiranga	5
37	Tiranga Rally at Changa	NSS & B.A.Patel high school, changa	Har Ghar Tiranga	200
38	Street Plays at CHARUSAT Campus and Rural Schools	CMPICA NSS Unit	Har Ghar Tiranga	20
39	Campus visit of D.Z.Patel school	CREDP	National Literacy Mission Program	6
40	Presentations on history of Indian Flag ( in & off CHARUSAT Campus)	ME NSS Unit	Har Ghar Tiranga	6
41	Poetry competition	IIIM	Har Ghar Tiranga	5
42	Flag unfurling	RPCP NSS Unit	Har Ghar Tiranga	13
43	Flag unfurling	CSPIT-EC/EE NSS Unit	Har Ghar Tiranga	15
44	Flag unfurling	CSPIT-CL/ME-CE-IT NSS Unit	Har Ghar Tiranga	2
45	Flag unfurling	PDPIAS NSS Unit	Har Ghar Tiranga	5
46	Flag unfurling	CMPICA NSS Unit	Har Ghar Tiranga	18
47	Flag unfurling	ARIP NSS Unit	Har Ghar Tiranga	75
48	Flag unfurling	MTIN NSS Unit	Har Ghar Tiranga	30
49	Flag unfurling	CIPS(BDPIS) NSS Unit	Har Ghar Tiranga	6
50	Flag unfurling	CHARUSAT NSS Unit	Har Ghar Tiranga	3

<b>Sr. No.</b>	<b>Name of the activity</b>	<b>Organising unit/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Number of students participated</b>
51	Flag & Badges Distribution at CHARUSAT CAMPUS	CHARUSAT NSS Unit	Har Ghar Tiranga	18
52	Flag Distribution at nearby schools	CHARUSAT NSS Unit	Har Ghar Tiranga	25
53	Independence Day Celebration	CHARUSAT NSS Unit & Sports(NCC)	Har Ghar Tiranga	120
54	Tiranga Sanman campaign	CMPICA & EC NSS Unit	Har Ghar Tiranga	11
55	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	13
56	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	13
57	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	8
58	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	5
59	Youth Election Awareness Campaign	IIIM NSS Unit	SVEEP	5
60	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	7
61	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	9
62	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	7
63	Tiranga Sanman campaign	CHARUSAT NSS Unit	Har Ghar Tiranga	6
64	Yoga session for MTIN faculties and master students by Mr.Samarth Dave,yoga expert and founder of exhale yoga school,Ahmedabad	MTIN NSS Unit	Fit INDIA	5
65	Teachers' Day Celebration	CREDP	Azadi Ka Amrit Mahotsav	8
66	Tree Plantation	CL/ME/EE/EC NSS Unit	Green India Mission	50
67	Role Play of Awareness on covid-19 & vaccination	MTIN NSS Unit	Fit India	15
68	Digital Poster Competition on theme "Prominent Leaders of Indian Constitutions"	CMPICA NSS Unit	Azadi Ka Amrit Mahotsav	13
69	School Health Programme	MTIN NSS Unit	----	4
70	Menstrual Hygiene Awareness	ARIP NSS Unit	Fit India	9

<b>Sr. No.</b>	<b>Name of the activity</b>	<b>Organising unit/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Number of students participated</b>
71	Topic for the Talk - OA Knee	ARIP NSS Unit	Panch Prakalp - Fit India	14
72	Prakharta Shodh Kasoti-2023	CREDP	--	15
73	Vacation Training Program (VTP) for Std.10 of nearby schools	CREDP		4
74	Flag unfurling by DEPSTAR	DEPSTAR NSS Unit	Har Ghar Tiranga	3
75	Evening study Class - Term 2	CREDP		18
76	Psychosocial drama on substance abuse and related awareness in hospital for mental health	MTIN NSS Unit	Fit India	29
77	Run For Unity	CHARUSAT NSS Unit	Fit India	35
78	CHARUSAT Campus Visit and Emotional Intelligence workshop of Morad School	CREDP	Pre Vocational Training under NEP	8
79	Space Awareness Program of D Z Patel School Students at Dinsha Patel Planetarium	CREDP	National Literacy Mission Program	18
80	Kaprada Chhatralay Visit	CREDP	Pre Vocational Training under NEP	15
81	CHARUSAT Campus Visit of Kendriya Vidyalay No.4, ONGC Campus Vadodara	CREDP	Pre Vocational Training under NEP	10
82	CHARUSAT Campus visit of G'nagar Nursing college	CREDP	Pre Vocational Training under NEP	2
83	Childrens' Day Celebration at school	CMPICA NSS Unit	Azadi ka Amrit Mahotsav	9
84	Demonstration of First Aid Kit to school students of campus visit	MTIN NSS Unit	Fit India	11
85	Republic Day Celebration	CHARUSAT NSS UNIT	Azadi Ka Amrit Mahotsav	22

<b>Sr. No.</b>	<b>Name of the activity</b>	<b>Organising unit/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Number of students participated</b>
86	Flag off the Survey project on Consumer Rights Awareness in People	CHARUSAT NSS UNIT	Jago Grahak Jago	8
87	Visit to Hindu Anath Ashram, Nadiad	CE NSS Unit	--	5
88	Run for traffic awareness	CSPIT-CE NSS Unit	--	25
89	Bharatiya Bhasha Divas	CREDP / CIVIL NSS Unit	Azadi ka Amrit Mahotsav	4
90	Online Poetry Writing Competition on Bharatiya Bhasha Divas	IIIM-Civil	Azadi ka Amrit Mahotsav	12
91	Youth Parliament	ARIP NSS Unit	National Youth Mission	23
92	Plog Run at Pariyej-Bird Sanctuary Park	Charusat NSS Unit	Swachh Sagar Surakshit Sagar campaign	44
93	Birsa Munda Janm-Jayanti Celebration	IIIM NSS Unit	Azadi ka Amrit Mahotsav	5
94	Global Hand wash Day by NSS	CHARUSAT NSS Unit	Fit India campaign	11
95	Blood Donation Camp for comfy	CHARUSAT NSS Unit	Fit India	71
96	NSS Annual Camp- 2023	CHARUSAT NSS UNIT	Azadi Ka Amrit Mahotsav	68
97	Dance Practice for Student of Changa Primary School for school Annual Day Celebration by Volunteers	CREDP	--	8
98	Save Soil Awareness by NSS on 3rd march 2023	CE NSS Unit	--	8
99	Bird Rescue (Duck)	CHARUSAT NSS UNIT	--	4
100	No Plastic Awarness Program	CHARUSAT NSS Unit	Clean India Campaign	7
101	Smoking & Tobacco De-Addiction Awareness Campaign	RPCP NSS Unit	Panch Prakalp	18
<b>2040</b>				

## Youth Welfare Initiatives and Activities

The university has implemented various capacity development and skills enhancement initiatives, including: soft skills training to improve interpersonal communication, teamwork, problem-solving, and leadership abilities among students and staff; language and communication skills programs aimed at enhancing verbal and written communication proficiency in multiple languages; life skills programs encompassing yoga, physical fitness, and health and hygiene awareness to promote holistic well-being and personal development; awareness sessions on emerging trends in technology to equip students with relevant knowledge and skills to thrive in the rapidly evolving digital landscape. The details are as follows:

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
1. Soft skills				
ME	A Student Wellness Program on "Career Counseling"	12/7/2022	33	Mr. Sumit Gosai , CDPC, CHARUSAT
	Alignment of university exam paper with competitive exam paper	2/7/2023	16	Mr. Sujit Patel, Alumni of Mechanical Engg. Dept., CHARUSAT Senior scientific assistant (Mechanical) Directorate general of aeronautical quality assurance (DGAQA), Department of defence production, Ministry of defence, Government of India
	Chalk Graffiti Competition	3/21/2023	46	Mr. Zankhan Sonara, Ms. Franny Emmanuel Dr. Hiteshri Shastri, CHARUSAT
	Design Thinking	6/9/2023	20	Dr. Bhaumik Nagar Sr. Faculty in New Media Design Program, NID, Ahmedabad
CE	Resume Building Session	2/25/2023	89	PARTH DILIPKUMAR SHAH, SANKETKUMAR BHARATBHAI SUTHAR. Mail id:- parthshah.ce@charusat.ac.in Mobile:- 9925020358
CSE	Resume Writing Session	3/25/2023	50	Dharmendrasinh Rathod, Abhishek Patel, Brinda Patel. Mail id:- dharmendarathod.cse@charusat.ac.in

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	APTITUDE & SOFT SKILL TRAINING PROGRAM SESSION SERIES	25-02-2023	50	Dharmendrasinh Rathod, Abhishek Patel, Brinda Patel. Mail id:- dharmendarathod.cse@charusat.ac.in
WDC	Expert talk on "Emotional Intelligene Techniques"	8/18/2022	197	Ms. Priya Arte, Director of Centre for social behaviour change cummunication
	Expert talk on " Are we really listening or just hearing?"	1/21/2023	27	U & PU Patel department of Computer engineering, CSPIT, CHARUSAT
2. Language and communication skills				
ME	Short Film Competition on the Theme of " Gender Equality	3/15/2023	8	Dr. Dattatraya G. Subhedar & Dr. Gajanan Patange, CSPIT, CHARUSAT
IT	Debate & Elocution Competition	1/20/2023	30	NISHAT ANVARHUSEAN SHAIKH, PRATHI RAKESHKUMAR SHAH. Mail id:- nishatshaikh.it@charusat.ac.in
	Group Discussion	1/19/2023	30	NISHAT ANVARHUSEAN SHAIKH, PRATHI RAKESHKUMAR SHAH. Mail id:- nishatshaikh.it@charusat.ac.in
	Group Discussion Under "Pre placement Activity for Placement A.Y 2023-24"	3/4/2023	85	NISHAT ANVARHUSEAN SHAIKH. Mail id:- nishatshaikh.it@charusat.ac.in
WDC	Online Quiz competition on 'Indian Languages'	12/10/2022	51	M.S. Patel Department of Civil Engineering, CSPIT, CHARUSAT
	Essay competition on "Discrimination against Disabilities"	10/11/2022	16	Ramanbhai Patel College of Pharmacy, CHARUSAT
	Exhibition cum sale stall of Diwali Products at Prabhandhan from Blind People association	10/15/2022	2	Manikaka Topawala Institute of Nursing, CHARUSAT

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
<b>3. Life skills (Yoga, physical fitness, health and hygiene)</b>				
ME	Expert Session on "Meditation Reduces Discrimination:	9/5/2022	27	Shri Mayur Kunti, Art of living
	"Life Skill Training Programme"	5/8/2023	26	Meghna Goswami Rubicon Skill Development Pvt. Ltd.
	YOGA DAY - Pledge Taking	6/21/2023	15	NSS unit, CHARUSAT
IT	A Yoga Demonstration and Lecture	6/20/2023	23	AMIT RAMANLAL THAKKAR, PARTH DILIPKUMAR SHAH, VIDISHA MUKUNDBHAI PRADHAN, MIT HITESHBHAI DAVE, RAJNIK SAVAJBHAI KATRIYA, BELA ANAL SHAH, AVANI KHOKHARIYA. Mail id:- amitthakkar.it@charusat.ac.in , mobile:- 9601290990
	Life Skills Training Programme	5/8/2023	95	NIRAV HASMUKHRAI BHATT, ASHWINKUMAR BHANUPRASAD MAKWANA, KIRTI JAYANTIBHAI MAKWANA, SANKETKUMAR BHARATBHAI SUTHAR, ERNEST JOHN STEVENS, NITABEN JADAV, PRATHI RAKESHKUMAR SHAH. Mail id:- niravbhatt.it@charusat.ac.in, Mobile:- 9925374626
	NSS Extension activity to visit and conduct various activities at Orphan House, Nadiad	3/7/2023	55	RAJNIK KATARIYA, PARTH SHAH. Mail id:- parthshah.ce@charusat.ac.in Mobile:- 9925020358
EC	Life Skill Training Programme	5/8/2023	30	Meghna Goswami, Rubicon, Nadiad, Mobile:9033640607
CSE	LIFE SKILL TRAINING PROGRAMME	5/8/2023	47	Meghna Goswami, Rubicon, Nadiad, Mobile:9033640607
PDPIAS	Introduction to youth empowerment and skill development	1/10/2023	107	CHARUSAT/JANKI N THAKKER Mo. +91 7016569412

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
RPCP	“Pharmacy united in action for a healthier world”	27-09-2022	149	Mr. Hardik Koria 9731835384
	AND TOBACCO - DEADDICTION AWARENESS CAMPAIGN	27-09-2022	18	Mr. Hardik Koria 9731835384
	Yoga	21-06-2023	10	Mr. Hardik Koria 9731835384
	Bhav Spandana: the fundamental to transform your existence	4/14/2023	19	U & PU Patel department of Computer engineering & Dept of CSE, CSPIT, CHARUSAT
	Yoga for Inner Beauty	6/21/2023	29	V. T. Patel Department of Electronics and Communication Engg., CSPIT, CHARUSAT
	Expert lecture on Cervical cancer awareness and menstrual problems	3/11/2023	74	Dr.GEETA PARMAR, MD Obs & Gynae.
	Zumba Fitness Workshop	2/6/2023	62	Zin Shital Macwan , Zumba Trainer
<b>4. Awareness of trends in technology</b>				
ME	Industry visit at Suryadeep Alloy Steels Castings and Shree Vallabh Alloy Steel Castings, V.U.Nagar	9/13/2022	35	Akash Vyas (9978476655), Vishal Mehta, Mechanical Engineering department
	Computer aided drafting through SOLIDWORKS	9/17/2022	30	Naimesh Shethiya, Managing Director, Sopan Institute of Engineering & Design, Ahmedabad
	Industry visit at LEXCRU watertech Pvt Ltd.	9/20/2022	54	Gaurang Patel (8141342100), Vaishali Jadhav (9173971133)
	The Development and Fabrication of a Medical Pump	9/26/2022	11	Dr. Tom George E. (PNP Professional, PhD, IIT Kharagpur)

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
Mechanical Engineering	Field visit at Suryadeep Alloy Steel Castings Pvt. Ltd.	9/28/2022	39	Akash Vyas (9978476655), Vishal Mehta, Mechanical Engineering department
	Solidworks	10/1/2022	29	Gaurang Patel (CSPIT) & Naimesh Shethiya, (Managing Director, Sopan Institute of Engineering & Design, Ahmedabad)
	Expert lecture on Geometric Dimensions and Tolerances	10/22/2022	45	Mr. Hiren Prajapati Assistant Professor Mechanical Engineering Department, Institute of Technology, NIRMA UNIVERSITY, Ahmedabad, 382421 Gujarat, India.
	LaTeX- an academic writing tool	10/21/2022	25	Dr. Manan N. Shah
	One Week Faculty Development Program (FDP) on "Curriculum Design for Outcome-Based Education"	11/1/2022	21	Dr. Dipal Patel, Dr. Vijay Chaudhary
	INDUSTRY INTERACTION AT PRECISION BEARINGS PVT. LTD., AHMEDABAD	12/21/2022	4	Mr. Madhav Oza (UIIC & ME Dept)
	Drones: Current and Future trends	1/2/2023	38	Mr. Saurabh Mota and Mr. Pratik Gala
	how to read engineering drawing	12/16/2022	12	Naimesh Shethiya, (Managing Director, Sopan Institute of Engineering & Design, Ahmedabad)
	Expert talk on Ultra supercritical boilers in power industries	10/22/2022	30	Mr. Maulik Shah, L&T MHI, Surat
	One week workshop on "Solidworks 3D modeling	12/12/2022	16	Dr. Dipal Patel
	Industry Interaction at Chicago Blowers India Pvt Ltd	10/10/2022	3	Dr. Divyang Purohit (CDPC), Mr. Mihir Mehta (CDPC) and Mr. Madhav Oza (UIIC)

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	Visit to Intersolar India Expo - The smarter E India 2022	12/7/2022	3	
	Expert Talk on "Automotive Trend and Technology Evaluation"	8/4/2022	31	Mr. Ronak Shah, (Alumni), Type Approval Certification & Export Regulations at General Motors Global Technical Center, Detroit Metropolitan Area, U.S.A
	Expert Talk on "Important of tribology"	9/19/2022	13	Mr. Aditya Bais, Research Scholar, CSPIT, CHARUSAT, Changa
	Li-ion Battery Design and Battery Management System	1/6/2023	52	Mr. Arshdeepsingh Sardar, Jr. Product Engineer, Westport fuel system, Vancouver, British Columbia, Canada, Mr. Paramjotsingh Sardar, FH Aachen, University in Aachen, Germany, Mr. Harshil Chavda, FH Aachen, University in Aachen, Germany
	Visit to VCCI Expo 2023	1/30/2023	1	Mr. Madhav Oza (ME-UIIC)
	Industry visit at Precision Bearings Pvt. Ltd.	3/16/2023	54	Mr. Gaurang Patel, Mr. Vishal Mehta and Mr. Vikash panchal (CSPIT-ME)
	Expert Talk on " Application of CFD in Fluid Flow and Heat Transfer Problems" by Dr. Lakdawala from Nirma University	3/28/2023	59	Dr. Absar Lakdawala Professor, Mechanical Engineering, Nirma University, Ahmedabad.
	An expert lecture on "Scope of mechanical engineers in government sector and it's ways to get into it"	4/1/2023	27	Mr. Sujit Patel, Alumni of Mechanical Engg. Dept., CHARUSAT Senior scientific assistant (Mechanical) Directorate general of aeronautical quality assurance (DGAQA), Department of defence production, Ministry of defence, Government of India
	Use of renewable solar energy in desiccant powered modern HVAC system	4/7/2023	39	Dr. D. B. Jani, GEC-DAHOD

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
CL	Fluid Mechanics Mini Project Exhibition-2023	4/8/2023	31	Dr. Dattatraya G. Subhedar
	INDUSTRIAL VISIT TO SARDAR SAROVAR DAM	3/24/2023	84	Mr. Bhavin mehta
	Types of Bearings and it's Manufacturing Technology	3/14/2023	49	Mr. Hitesh Mistri and Team from Precision Bearings Pvt. Ltd.
	Workshop on Fusion 360	5/13/2023	537	Mr. Jaimin Barot, Krishna CAD Center
	Workshop on Fusion 360	1/9/2023	29	Mr. Jaimin Barot, Krishna CAD Center
	Industrial Visit at GSFC, Vadodara for participants of Certificate Course on "INDUSTRIAL SAFETY"	1/23/2023	3	Dr. Gajanan Patange
	Industrial Visit at Elecon, V.U.Nagar for participants of Certificate Course on "INDUSTRIAL SAFETY"	2/13/2023	3	Dr. Gajanan Patange
	Certificate Course on "INDUSTRIAL SAFETY"	1/7/2023	3	Dr. Dattatraya G. Subhedar & Dr. Gajanan Patange
CL	Expert talk on "Career opportunities for Civil / Structure Engineer at USA "	12/26/2022	11	Mr. Pruthvik Patel (+312 522 9171), Alumni, CHARUSAT
	Photography competition organized by Creativity club - STUDENT CLUB of M. S. Patel Department of Civil Engineering	8/5/2022	10	CHARUSAT internal competition organized by M. S. Patel department if Civil engineering; Coordinators Ms. Pinal Patel and Ms. Megha Desai

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
CIVIL ENGINEERING	live Kathak Dance Performance by Rani Khanam	8/29/2022	350	Aamad Dance Centre; Amit maheswari, coordinator 011-49042707
	Concepts of Intellectual Property Rights: A Budding Innovators' Perspective	3/21/2023	5	Dr. Svayamprakash patel (RPCP, CHARUSAT) Intercom No. 5147
	Visit to Adani Mundra Port	9/10/2022	76	Adani Ltd. Under project UDAAN
	Industrial Visit at "Ultra Tech RMC Plant Vadodara"	9/3/2022	30	UltraTech Cement; Mr. Satish Rajput (satish.rajput@adityabirla.com)
	Drone Surveying and Mapping	9/2/2022	38	Dronelab Technologies Pvt. Ltd., Ahmedabad; 084696 08000
	Visit To Model room NAIR Vadodara	10/8/2022	30	UltraTech Cement; Mr. Satish Rajput (satish.rajput@adityabirla.com)
	Industrial visit to Ultra Tech RMC plant, Vadodara	10/8/2022	17	UltraTech Cement; Mr. Satish Rajput (satish.rajput@adityabirla.com)
	Visit to Ahmedabad Airport	12/28/2022	15	Airport Authority of India; Mr. Jyotidipak Saluja (73582 44144)
	Academic Visit to Meteorological Observatory at Anand Agricultural University (AAU)	12/29/2022	31	Agricultural Meterology Dept, Anand Agriculture University; Dr. Manoj M. Lunagaria ((02692)261426); hod-agmet@aau.in, ml@aau.in
	Visit of Civil engineering students at construction site of Ahmedabad Airport	1/5/2023	10	Airport Authority of India; Mr. Jyotidipak Saluja (73582 44144)
	Visit to Amul Chocolate plant,Mogar	9/12/2022	543	Amul Ltd. Mr. Abhishek Bhatt (9727760562)

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
IT	The 2022 Solution Challenge Using information Technology	9/30/2022	538	PARTH DILIPKUMAR SHAH, HEMANT NANDLALBHAI YADAV, NISHAT ANVARHUSEAN SHAIKH. Mail id:- parthshah.ce@charusat.ac.in Mobile:- 9925020358
	AWS CI/CD: From Code to Production	4/7/2023	41	PARTH DILIPKUMAR SHAH, SANKETKUMAR BHARATBHAI SUTHAR. Mail id:- parthshah.ce@charusat.ac.in Mobile:- 9925020358
	AWS - MACHINE LEARNING	1/30/2023	91	PARTH DILIPKUMAR SHAH, HEMANT NANDLALBHAI YADAV, JALPESH HARKISHANBHAI VASA, SANKETKUMAR BHARATBHAI SUTHAR. Mail id:- jalpeshvasa.it@charusat.ac.in. Mobile:- 9726528769
EC	LTSPICE simulation of CMOS VLSI circuits	23-09-2022	82	Dr.Pallavi Darji , Associate Professor, DDIT , Nadiyad , Mobile : 9925013404
	One Day workshop on "Design at IoT Networks using Packet Tracer & Contiki"	10/10/2022	39	CHARUSAT/Dr.Trushit Upadhyaya, Dr.Brijesh Kundaliya, Dr.Miral Desai, Dr.Upesh Patel
	FPGA Based Digital system design	13-03-2022	41	CHARUSAT/ Dr.Arpan Patel , Dr.Dharmendra Chauhan
	Python and its use cases for different EC domains	2/3/2022	54	Mr.Pavan Arora, Senior Software Test Engineer, L3Harries Technology, Ottawa, Ontario, Canada , Mobile:+12049907774
	Device Driver Implementation Using Embedded Linux Platform	4/3/2022	28	CHARUSAT / Dr.Brijesh Kundaliya, Dr.Miral Desai
DEPSTAR	Exception Handling and Multithreading	12/8/2022	76	Mr. Siddharth Shah Assistant Professor, A D Patel Institute of Technology, CVM University

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
CSE	Python and GPU Accelerated Computing	25-02-2023	64	Mr. Saurabh Shahane Founder and CEO at The Machine Learning Company Kaggle Grandmaster
	IOT as an Opportunity	13-08-2022	45	Mr. Harsh Goel Sochit Innovation
	Templating with Handlebars	6/8/2022	82	Mr. Amit Parmar Sr. Software Engineer Vedyti Software Pvt. Ltd Ahmedabad
	Hive: Data Management Tool to Manage Big Data	11/10/2022	89	Ms. Shilpa Gite Associate Professor CSE Department SCAAI PUNE
	Dynamic Programming	8/6/2022	105	Dr. Malay Bhatt Associate Professor at DDU Nadiad.
	Javascript and React	6/8/2022	103	Mr. Siddharth Vyas, Associate Manager, FrontEnd Developer Accenture
	Node js	7/14/2022	112	Mr. Nilay Ganatra Project Manager At Squad Technologies
	Futuristic trends and challenges in Operating System, Dealing with Security Concerns in Operating System	17-09-2022	55	Dr. Bhavesh Gohil Assistant Professor SVNIT, Surat
	IOT protocol stack & its Simulation	23-07-2022	104	Dr. Vishal Rathod SENIOR PROJECT ENGINEER(C-DAC, BANGLORE))
	Advancement in Smart Mobility & Intelligent System	10/10/2022	83	Dr. Maryam Kavesgar Ahemedabad University

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
CSE	Spectral Analysis of Analog and Digital Signals in Telecommunication	14-10-2022	106	Dr. Deepak Joshi SVNIT, Surat
	EcmaScript 6	23-07-2022	129	Mr. Amit Parmar Sr. Software Engineer Vedyti Software Pvt. Ltd Ahmedabad
	Unity 3D hands-on for game development	25-02-2022	22	Mr. Nirav Prajapati Invisible Friction Pvt. Ltd
	Database Management Trends in 2023	11/3/2022	96	Shashir Chauhan Assistant Professor - CSE, Manipal University
	Information Security at Network & Transport Layer	28-03-2022	23	Dr. Bhavesh Gohil Assistant Professor SVNIT, Surat
	Expert System - AI	8/9/2021	60	Mr. Mohammad Bohara, Team Lead & Sr. Machine Learning Engineer, Vebuin Pvt. Ltd
	Advance Feature Extraction and Classification Techniques for Real Time Image Processing	2/4/2023	70	Ms Dulari Bhatt Assitant Professor AIDTM, Gandhinagar
	Material design animation & real-time database connectivity with firebase (CRUD operation)	15-10-2022	52	Mohammed Harun Bhoduwala Sr. Android Developer, Rigel Networks Pvt Ltd.
PDPIAS	Semi-Educational Tour	29-07-2022 to 02-08-2022	70	CHARUSAT / MURALI MOHAN SHARAFF Mo. +91 9422347197
	A Special Lecture on "Elementary q-theory"	9/3/2022	107	CHARUSAT / Dr. Jimit Patel Mo. +91 9909236460

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	Colloquium on Nobel Prize 2022	11/15/2022	166	CHARUSAT / Dr. Sanni Kapatel Mo. +91 9909236460
	Python Programming for Data Science	12/10/2022	84	CHARUSAT / RESHMABEN ROHITKUMAR SANJHIRA Mo. +91 9998787478
	Inter-University Centre for Astronomy and Astrophysics (IUCAA) visit	20-Dec-22 to 24-Dec-22	33	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	One day Workshop on Hands on experiments in Nanoscience and material science	12/31/2022	12	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	Science Communication Series W005	1/5/2023	150	CHARUSAT / MURALI MOHAN SHARAFF Mo. +91 9422347197
	One Day Workshop on Hands on Experiments in Nanoscience and Material Science	1/16/2023	10	CHARUSAT / Dr. CK Sumesh Mo. +91 7984221779
	One Day Workshop on Hands on Experiments in Nanoscience and Material Science	1/23/2023	33	CHARUSAT / Dr. Shweta Dhabhi Mo. +91 9737504487
	One day Workshop on Hands on experiments in Nanoscience and material science	1/24/2023	32	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	"Biologics Discovery and Development with special reference to anti-VEGF FAB	1/27/2023	300	CHARUSAT / Dr. Palalsh Mandal Mo. +91 9666164654

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	for Macular Degeneration and Diabetic Retinopathy (Discovery till Clinical Evaluation)"			
	One Day Workshop on "Problem Solving in Mathematics (PSM – 2023)"	2/4/2023	84	CHARUSAT / JIMITKUMAR RATILAL PATEL Mo. +91 9909236460
	One day Workshop on Hands on experiments in Nanoscience and material science	2/11/2023	5	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	importance of Feedback and appreciation	2/17/2023	85	CHARUSAT / JANKI N THAKKER Mo. +91 7016569412
	One day Workshop on Hands on experiments in Nanoscience and material science	2/21/2023	17	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	Science Manthan - 2023	2/25/2023	900	CHARUSAT / BRAGADISH D IYER Mo. +91 9979852857
	Mathematics E-Quiz	2/28/2023	107	CHARUSAT / RAJENDRAKUMAR BABUBHAI CHAUHAN Mo. +91 9586674925
	State Level Final CPEX-2023	3/9/2023	49	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	"Flexible electronic devices and sensors for multifunctional applications"	3/10/2023	33	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	"Interaction with M.Sc. Physics students - PDPIAS"	3/10/2023	33	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
ARIP	The Quest for Particles: Discoveries and Scientific Progress	3/13/2023	55	CHARUSAT / Dr. Manan Shah Mo. +91 9979974436
	Shree Pramukh Swamiji Maharaj Endowment Chair Lecture Series	13-03-2023 to 17-03-2023	180	CHARUSAT / BHAVTOSH ANILKUMAR KIKANI Mo. +91 760003299
	Recent Trends in Mathematics and their Application in Real World Problems	3/15/2023	71	CHARUSAT / YOGESHWARI FAKIRBHAI PATEL Mo. +91 9898190712
	Scanning Electron Microscopy Training Session	5/13/2023	12	CHARUSAT / Vanraj Solanki Mo. +91 8763033396
	Scanning Electron Microscopy Training Session	5/27/2023	8	CHARUSAT / Vanraj Solanki Mo. +91 8763033396
	Scanning Electron Microscopy Training Session	6/10/2023	9	CHARUSAT / Vanraj Solanki Mo. +91 8763033396
ARIP	“Move with times: Gait analysis using Kinovea Software”	15-09-2022	74	Dr. Sweni Shah Mo. +91 9429828293
	“Update on Normal & Abnormal Gait Analysis for Musculoskeletal Conditions”	6/9/2022	20	Dr. Hemal Patel Mo. +91 7359627507
	“HYPOTHESES-ORIENTED ALGORITHM FOR CLINICIANS”	8/16/2022	43	Dr. P Ratan Khuman Mo. +91 9376956211
	Breast Cancer Awareness	1st Oct to 30 Oct 2022	170	Dr. Dhruv Dave Mo. +91 9979324186

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	Act to Perceive	3/12/2022	64	Dr. Pallavi Variyani Mo. +91 9638581813
IIIM	Entrepreneurship and Business Management	13-03-2023	70	Indukaka Ipcowala Institute of Management, CHARUSAT iiim@charusat.ac.in
	Placement Assistance Program	22-08-2022	113	Indukaka Ipcowala Institute of Management, CHARUSAT iiim@charusat.ac.in
CMPICA	Expert Talk on ReactJS	7/23/2022	50	Mr. Viren Bhanushali, Associate Software engineer, Openxcell Inc, (Alumni of MCA 2019 Enrolled & 2021 Pass-out)
	Expert Talk on Ground Zero Realities in E-Commerce Business (Perishable Products)	8/1/2022	269	Mr. Sanjay Suthar, Founder, Khedut Seva
	Expert Talk on Importance of Graphic Designing in the Real World	8/16/2022	194	Mr. Madhav Dihora, Senior IT Support, RBC Bank, Canada
	Expert Talk on Fuzzy Logic – Introduction and Applications	8/16/2022	31	Dr. Priti Srinivas Sajja, Professor, P G Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar
	Expert Talk on Working with Database and Eloquent in Laravel	8/26/2022	30	Mr. Jayesh Tank, Certified Laravel Developer, Rishabh Software, Vadodara
	Expert Talk on Oracle APEX	9/3/2022	117	Dr. Digvijaysinh Virpura
	Expert Talk on Big Data Analytics	9/8/2022	110	Dr. Jagannath Singh, Associate Professor, KIIT, Bhubneshwar
	Expert Talk on .Net Technology and Recent Trends in ICT	9/8/2022	210	Mr. Dhavat Shah, Founder & Managing Director, Dhavat Infotech Private Limited.

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	Expert Talk on Professional Designing using Canva	9/13/2022	196	Dr. Sohil Pandya, CMPICA, CHARUSAT
	Expert Talk on Java Collections Framework	9/24/2022	107	Dr. Narayan Joshi, Professor & Head of Department at DharmSingh Desai University, Nadiad.
	Expert Talk on Hibernate	10/7/2022	171	Dr. Akil Z. Surti, Founder,Enlighten Infosystem
	Expert Talk on Introduction to IoT	10/7/2022	157	Dr. Dipak Patel, BVM, SPU
	Data Visualization using Tableau	29-11-2022 to 30-11-2022	54	Niki Bachani, Assistant Professor, Ganapat University, Ahmedabad branch
	Robotics Masters Training and Certificate Program	26-12-2022 to 06-01-2023	40	Kajal Murtadak, Jinal Patanwadia Vatsal Shah
	Workshop on "Trends and Applications of AI, IoT and Mobile Application Development"	02-03-2023 to 04-03-2023	177	Dr. Sharnil Pandya, Researcher, Department of Computer Science and Media Technology, Faculty of Technology, Linnaeus University, Växjö, Sweden. Contact: sharnil.pandya@lnu.se, +46 470-70 86 90 Dr. Hemant Ghayavat, Senior Lecturer, Department of Computer Science and Media Technology, Faculty of Technology, Linnaeus University, Vaxjo, Sweden. hemant.ghayvat@lnu.se +46 470-70 86 89 Mr. Keval Shah, Android Developer, Hyperlink Infosystem, Ahmedabad380061, Gujarat, India, Ph: 91-9879246691 E-Mail: kbshah98@gmail.com Website: <a href="http://whokevalshah.000webhostapp.com/">http://whokevalshah.000webhostapp.com/</a>
	Expert Talk on "ReactJS"	3/24/2023	261	Mr. Adarsh Pandya, Frontend developer, Simform Solution's Ahmedabad, Gujarat.
	Expert Talk on Mobile and Computer Security	4/4/2023	120	Mr. Asnen Malek, Faculty at IANT , Former Project Head/ Team Lead at MasterX, IANT Educom Pvt. Ltd., Anand, Gujarat.

<b>Department</b>	<b>Name of the capability enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>	<b>Name of the agencies / consultants involved with contact details (if any)</b>
	Expert Talk on Cloud Computing and General AWS introduction	4/14/2023	211	Mr. Niraj Visana, Devops Engineer, Azova Health Ahmedabad
	Expert Talk on "Cross-Platform Application Development Using Flutter"	21-Apr,23	161	Mr. Vasu Sinojia & Ms. Kajal Ramnani, Peerbits, Ahmedabad
MTIN	An expert Session on Electroconvulsive therapy and its adverse effects	7/2/2022	5	Ms. Hetal Shah, MTIN, CHARUSAT, 9033404171
	Workshop on Newborn care practices	7/1/2022	58	Ms. Binal Joshi, MTIN, CHARUSAT, 9913149039
	Event on yoga practices	8/25/2022	13	Ms. Hetal Shah, MTIN, CHARUSAT, 9033404171
	Expert Lecture on "National Tuberculosis Elimination Programme"	8/30/2022	50	Ankit Christian, MTIN, CHARUAT, 8200484857
	Expert Talk On Step Up For Breastfeeding: Education And Support On Account Of Celebration Of Breastfeeding Week 2022	8/5/2022	18	Bhumi Bawda, MTIN, CHARUSAT, 8160097674
	Organ Donation Awareness Program	9/19/2022	17	Jalpa Prajapati, MTIN, CHARUSAT, 9537167449
	First Aid Workshop for School Children	14-Nov-2022 to 16-Nov-2022	195	Franny Emmanuel, MTIN, CHARUSAT, 9409026609
	Psychodrama on substance abuse and related awareness	11/17/2022	130	Ms. Hetal Shah, MTIN, CHARUSAT, 9033404171

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Nursing	Workshop on Basic NRP provider course	12/28/2022	31	Rameshwari Zala, MTIN, CHARUSAT, 7567099346
	Workshop on Cancer screening and Hands on Training	12/16/2022	187	Sanket Patel, MTIN, CHARUSAT, 7201080501
	World No tobacco day celebration	3/31/2023	30	Ankit Christian, MTIN, CHARUAT, 8200484857
	Workshop on medication error and patient safety	5/19/2023	76	Shalini Joshi, MTIN, CHARUSAT, 9368836413
	Anganwadi Assessment Programme	6/2/2023	30	Ankit Christian, MTIN, CHARUAT, 8200484857
	Women health screening camp	6/13/2023	14	Ankit Christian, MTIN, CHARUAT, 8200484857
	School health programme	6/5/2023	30	Ankit Christian, MTIN, CHARUAT, 8200484857
	Exhibition on communicable diseases	6/8/2023	30	Ankit Christian, MTIN, CHARUAT, 8200484857
	Geriatric health screening camp	6/9/2023	30	Ankit Christian, MTIN, CHARUAT, 8200484857
	Awareness: Har Ghar Tiranga	8/8/2022	71	Mr. Hardik Koria 9731835384
WDC	Expert talk on "Pharma Industry Skills and Equal Opportunity for Youth"	1/17/2023	76	Ramanbhai Patel College of Pharmacy
	Expert talk on "Employability skills and career opportunities in education sector"	2/28/2023	147	P D Patel Institute of Applied Science
	Film Screening – A Thursday	3/1/2023	45	Jalpa Suthar, RPCP, CHARUSAT

## Students Awards

The details include the number of awards / medals won by students for outstanding performance in sports/cultural activities at inter-university / state / national / international events during the year. This data highlights the university's commitment to nurturing talent and promoting excellence in extracurricular activities, contributing to the holistic development of students.

Sr. No.	Year	Institute	Name of the award/medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
1	2022-23	CSPIT	Winner	Individual	National	13th Kudo National Tournament 2022-23	Sneh Ashok Soni
2	2022-23		Winner	Individual	National	14th International Akshay Kumar KUDO Tournament 2022	Sneh Ashok Soni
3	2022-23		First rank	Team	STATE	ENERGY CUP 2023	Neel Thomas Joy Shah Ronit Kothari
4	2022-23		Third rank	Team	STATE	Azadi Ka Amrit Mahotsav Hackathon 2022	Kevin Colaco Tanay Deo Dev Parekh Harsh Avichal
5	2022-23	DEPSTAR	State - Level Karate Competition	Individual	State	Khel Mahakumbh	Meet K Patel
6	2022-23		Selected By NCC for Republic day Parade 2023 at Red FORT	Individual	National	Republic Day Camp - 2023	Kathan Shukla
7	2022-23		Runners' Up	Individual	National	SMACKATHON	Kelvi Manavadaria
8	2022-23		Runners' Up	Individual	National	SMACKATHON	Pranav Savani

<b>Sr. No.</b>	<b>Year</b>	<b>Institute</b>	<b>Name of the award/ medal</b>	<b>Team / Individual</b>	<b>Inter-university / state / National / International</b>	<b>Name of the event</b>	<b>Name of the student</b>
9	2022-23		Runners' Up	Individual	National	SMACKATHON	Ankur Kapuriya
10	2022-23	PDPIAS	First rank	Individual	District	National Youth Parliament Festival at District Level(Porbandaar)	Parmar Shreya Kalubhai
11	2022-23		AIU Award for the Best All Rounder University Student	individual	National	Charusat Foundation Day	Dweep Laxmikant Patel
17	2022-23	MTIN	First rank	Individual	inter university	E poster making competition on mental health day celebration	Joyna Dabhi
12	2022-23	ARIP	Winner - Cricket	Team	State	Inter college Physiotherapy Box-Cricket Tournamnet	Dhrasti Patel
13	2022-23						Vishwas Desai Jeel Desai Zeel Patel Disha Chelani Injil Idal Khushi Bhanushali Janvi Panchal Vishava Desai
			Winner - Cricket (Girls)	Team	State	IPSL	Dhrasti Patel Injil Alad Disha Chelani Khushi Bhanushali

Sr. No.	Year	Institute	Name of the award/medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
							Anjali Jadav Zeel Desai Veeshava Desai Divya Iyer Unnati Trivedi Mahek Vankawala Kashish Surana Himanshi Jani Vidhi Patel Jeel Patel Margi Patel
14	2022-23		Winner - Table Tennis (Girls)	Team	State	IPSL	Riddhi Nandha, Archi Vadodaria, Arpita Senjaliya
15	2022-23		Runners' Up - Badminton (Girls)	Team	State	IPSL	Nupur Patel Disha Chelani Juhi Dhingani Vidhi Patel Krutagnee Kalariya
16	2022-23		Runners' Up - Vollyball (Girls)	Team	State	IPSL	Srushti Patel Khushi Bhanushali Kashish Surana Divya Iyer

Sr. No.	Year	Institute	Name of the award/medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
							Veeshava Desai Dhwani Patel Anjali Dave Vidhi Patel Vaishnavi Patel Tithi Patel Helly Patel Bansi Patel
19	2022-23	Sports Section	State Champion	Team	State	Open Gujarat Football Tournament - 2022	Sneh Darji Chiragkumar Patel Dlamini Njabulo Nay Lin Moe Aayush Jansari Margin Chapadiya Meet Rank Diomande Lamine Donatien Jay Panchani Anish Kabaria Vishvesh Trivedi Rutvik Patel Ouattara Romaric Abhishek Patel

Sr. No.	Year	Institute	Name of the award/medal	Team / Individual	Inter-university / state / National / International	Name of the event	Name of the student
							Niraj Saru Myo Paing Oo Ravi Yadav Raithatha Hitarth
20	2022-23		State Champion	Team	State	Open Gujarat Chess [Boys] Tournament - 2023	Joy Shah Neel Thomas Poojan Dahiya Yash Shah Vinayak Munet Ronit Kothari
21	2022-23		State Champion	Team	State	Open Gujarat Table Tennis [Boys] Tournament - 2023	Rishi Patel Parth Punjabi Arayn Shah Abhi Purohit
22	2022-23		State Champion	Team	State	Open Gujarat Volleyball [Boys] Tournament - 2023	Femil Mori Dev Patel Jenish Panchal Yash Narodia Rushi Dhingani Pradeep Chavda Neel Kanojiya Manav Patel Kevin Patel

## Scholarships received by the Students

The following table presents the average percentage of students benefited by scholarships and freeships provided by the Government, Institution, and Non-government organizations (NGOs). This metric reflects the extent to which students are availing themselves of financial assistance opportunities offered by various entities. By calculating the average percentage, the report provides a comprehensive understanding of the overall impact of scholarship and freeship programs on student accessibility to education.

Year	Name of the scheme	Number of students benefited by government scheme and amount		Number of students benefited by Institution's schemes and amount		Number of students benefited by non-government agencies and amount		
		Number of students	Amount in Rs.	Number of students	Amount in Rs.	Number of students	Amount in Rs.	Name of the NGO/ agency
2022-23	CHAMOS CHARUSAT M-C-M SCHOLARSHIP			545	21981600			
2022-23	CHARUSAT COVID 19 SCHOLARSHIP			9	570500			
2022-23	CHARUSAT EMPLOYEES SCHOLARSHIP SCHEME			9	172650			
2022-23	CHARUSAT FOREIGN MERIT SCHOLARSHIP			154	14212600			
2022-23	CHARUSAT NON-GPAT SCHOLARSHIP			55	4104000			
2022-23	PROJECT FELLOWSHIP SCHOLARSHIP			9	365000			
2022-23	SCHOLARSHIP FOR F.Y [A.Y 2020-21]			104	2435000			
2022-23	SCHOLARSHIP FOR F.Y [A.Y 2021-22]			166	1832000			
2022-23	SCHOLARSHIP FOR F.Y [A.Y 2022-23]			607	12568000			

Year	Name of the scheme	Number of students benefited by government scheme and amount		Number of students benefited by Institution's schemes and amount		Number of students benefited by non-government agencies and amount		
		Number of students	Amount in Rs.	Number of students	Amount in Rs.	Number of students	Amount in Rs.	Name of the NGO/ agency
2022-23	SHODH SCHOLARSHIP SCHEME OF GOG			42	1195000			
2022-23	SPECIAL SCHOLARSHIP			37	2683500			
2022-23	Mukhyamantri Yuva Swavalamban Yojana (MYSY)	1581	135340567					
2022-23	PM -YASAVI Post Matric Scholarship for OBC, EBC and DNT Students - SEBC	39	3336000					
2022-23	Post Matric Sholarship for Girls (Having Annual Family Income morethan 2.50 Lac) (Freeship Card/Medical Loan Student Only) ST	2	808000					
2022-23	SC Freeship card (BCK-6.1) Post Metric	131	20469200					
2022-23	SEBC- BCK-325 Edu. Asst. for (NTDNT)	1	50000					
2022-23	SHODH SCHOLARSHIP SCHEME OF GOG	1	30000					
2022-23	Umbrella Scheme for Education of ST Students Post Matric Scholarship (Freeship Card / Medical Loan Student Only) ST	7	4041200					

Year	Name of the scheme	Number of students benefited by government scheme and amount		Number of students benefited by Institution's schemes and amount		Number of students benefited by non-government agencies and amount		
		Number of students	Amount in Rs.	Number of students	Amount in Rs.	Number of students	Amount in Rs.	Name of the NGO/ agency
2022-23	CSPIT – Alumni Association Scholarship Fund					2	24000	
2022-23	Late Maniben Shankarbhai Patel Scholarship					3	27000	
2022-23	Late Shankarbhai Chhaganbhai Patel Scholarship					3	27000	
2022-23	Prof. S G Shah Scholarship					1	25000	
2022-23	Umedbhai Dharamdas Patel (Nar) Charitable Trust Scholarship					8	213000	
2022-23	Urmil & Mayuri Desai Family Trust Scholarship					4	210000	



## Annual Report 2022-23

### **Part 3** Financial Statement of the Year

**: AUDIT REPORT :**

For the year period ending 31<sup>st</sup> March 2023 in the matter of

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**Regi. No. GH / SH / 24 / GPU – 2009 – 321 – Kh (1) Dt: 24/07/2009**

We have audited the annexed Schedules VIII & IX of the above Trust and report that;

- (A)** The accounts have been maintained regularly and in accordance with the provisions of the trust act rules.
- (B)** The receipts and disbursements are properly and correctly shown in the books of accounts.
- (C)** The cash balance and vouchers in the custody of the Registrar / Finance Officer were in agreement with the accounts on the date of audit.
- (D)** All books, deeds, accounts, vouchers, other documents like receipt book register, fixed deposit register and other reports required by us were produced before us.
- (E)** An inventory of the movables as certified by the trustees has been maintained.
- (F)** The Registrar Dr. Atul M. Patel required by us appeared before us and furnished the necessary information required by us.
- (G)** No property or funds of the CHARUSAT were applied for any other object or purposes - the objectives of the University.
- (H)** The amounts outstanding for more than one year are Rs. NIL and the amount written off are Rs. NIL.
- (I)** For all repairs or construction involving expenditure exceeding Rs. 50000/- tenders have been invited.
- (J)** No money of the University has been invested contrary to the provisions of section 35.
- (K)** No alienations of the immovable property contrary to the provision of section 36 have come to our notice.

**Remarks:**

This report includes the accounts of CHARUSAT and its Constituent Institutions, Centers and Hostels.

**ANAND.**  
**DATE : 07<sup>th</sup> APRIL 2023**



  
**B. C. PATEL & CO.**  
**Chartered Accountants**

**Charotar University of Science & Technology**  
**Financial Additional Information**  
**[Consolidated Statement]**

[Rs. In Lakhs]							
Income	Sch.	F.Y 2021-22	F.Y 2022-23	Expenditure	Sch.	F.Y 2021-22	F.Y 2022-23
Fees Income		10740.60	11108.15	Education Related Expenditures		6258.56	7664.86
University Exam Fees		138.58	382.96	Administrative Expenditures		424.17	530.17
Other Income		562.10	838.74	Capital Related Expenditures [Without Depreciation] Others: [Support to HRDC, CREDP, CSRTC and KCP R & D]		1217.91	2334.43
						272.61	209.62
				<b>Excess of Income Over Expenses</b>		<b>3268.03</b>	<b>1590.77</b>
<b>Total</b>		<b>11441.28</b>	<b>12329.85</b>	<b>Total</b>		<b>11441.28</b>	<b>12329.85</b>
Inflow	Sch.	F.Y 2021-22	F.Y 2022-23	Outflow	Sch.	F.Y 2021-22	F.Y 2022-23
<b>Opening Cash &amp; Bank Balance</b>		<b>749.96</b>	<b>563.92</b>	<b>Increase In Fixed Assets [Movable] [Computer &amp; Printer, Equipment, Furniture &amp; Fixtures, Solar System and Other]</b>	A1	<b>1207.92</b>	<b>1003.48</b>
Credit Balance [I & E]		3268.03	1590.77	Increase in Assets [Immovable] [Building]	A1	488.51	39.26
Project Fund	A4	48.67	383.82	Increase In Fixed Deposit [Long Term]	A2	1312.80	1250.40
Donation	A5	551.65	420.37	Increase In Fixed Deposit [Short Term]	A3	798.00	(252.00)
Increase/Decrease In Liabilities [Liabilities in Advances]		369.49	(274.87)	Advance To Kelavani Mandal	A6	616.65	0.00
						<b>563.92</b>	<b>642.87</b>
<b>Total</b>		<b>4987.80</b>	<b>2684.01</b>	<b>Total</b>		<b>4987.80</b>	<b>2684.01</b>

**Charotar University of Science & Technology**

<b>Schedule</b>	<b>Particulars</b>	<b>As on 31/03/2021</b>	<b>Increase/ Decrease</b>	<b>As on 31/03/2022</b>	<b>Increase/ Decrease</b>	<b>As on 31/03/2023</b>
				[Rs. In Lakh]		
A1	Fixed Assets	9152.13	1696.43	10848.56	1042.74	11891.30
A2	Fixed Deposit [Long Term]	4772.87	1312.80	6085.67	1250.40	7336.07
A3	Fixed Deposit [Short Term]	2000.00	798.00	2798.00	-252.00	2546.00
A4	Project Fund	121.24	48.67	169.91	383.82	553.73
A5	Donation	2748.25	551.65	3299.90	420.37	3720.27
A6	Advance To K. Mandal	1528.82	616.65	2145.47	-2145.47	0.00

CONSOLIDATED

# CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

CHARUSAT

## Income & Expenditure Account for the Period from 1<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023 [Consolidated]

<b>Fees Income:-</b>	<b>Income</b>	<b>Sch.</b>	<b>Amount (Rs.)</b>	<b>Expenditure</b>	<b>Sch.</b>	<b>Amount (Rs.)</b>
Fees Income	Z34		1110814846.00	<b>Education Related Expenditures:-</b>		
University Exam Fees Income	Z35		38295574.10	Salaries & Allowances	Z16	503168413.39
Other Course & Project Income	Z36		23143671.34	Staff Development & Training Expenses	Z17	6092866.00
Other Income	Z37		25860062.84	Students Welfare & Training Expenses	Z18	55655337.85
Gold Medal F. D. Interest Income	Z38		1948981.00	Lab. Dev. & Consumable Expenses	Z19	22525274.21
Various Endowment Fund F.D Interest Income	Z39		21992737.00	Seminar & Workshop Expenses	Z20	4102516.23
Scholarship F.D Interest Income	Z40		2743645.00	Learning Resources Expenses	Z21	28296454.20
Endowment Chair F.D Interest Income	Z41		8184996.00	CHARUSAT Uni. Exam Expenses	Z22	32818055.31
Chamos Charusat M-C-M Scholarship Support				Affiliation/ Accreditation/ Approval Expenses	Z23	48303328.00
				Admission Process Expenses	Z24	3330256.80
				Convocation Expenses		3565296.00
				Chamos Charusat M-C-M Scholarship Expenses		7237703.40
				Various Scholarship Expenses		21981600.00
						70243473.00
				<b>Administrative Expenditures:-</b>		
				Stationery & Printing Expenses		2438278.64
				Travelling & Transportation Expenses		6904235.00
				Electricity Expenses		6202457.60
				Postage & Telephone Expenses		242015.00
				Audit & Legal Expenses		671850.00
				Advertise & Promotional Expenses		8914934.00
				Building Cleaning Expenses		127727501.00
				Security Expenses		8261055.00
				Hospitality Expenses		2269618.50
				Miscellaneous & Other Expenses		4385468.21
					<b>Z27</b>	



## CONSOLIDATED

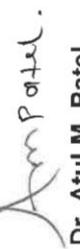
**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

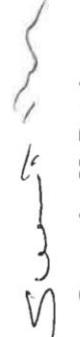
CHARUSAT

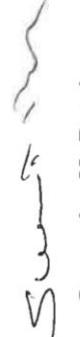
**Income & Expenditure Account for the Period from 1<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023**  
[Consolidated]

Income	Sch.	Amount (Rs.)	Expenditure	Sch.	Amount (Rs.)
<b>Excess of Expenses over Income</b>		<b>62447660.15</b>	<b>Capital Related Expenditures:-</b>		
			Insurance Premium Expenses	228	1623311.00
			General Maintenance & Repairing Expenses		9427065.50
			Legal Consultancy Charges		6532881.70
			Write-off Expenses		2476188.00
			Electric Main. & Repairs Expenses		5190804.33
			Garden / Campus Environment Expenses		13683020.00
			Depreciation Expenses [Furni. & Equip]		80406235.00
			Interest on Capital Investment Expenses		188724000.00
			Student Facilities Charges		3432289.00
			Patent & Trade Marks Registration Fees		882653.80
			Government Taxes		1470530.76
			<b>Research &amp; Development:-</b>		
			Research & Development Expenses to KCP R&D	231	15590000.00
			Rural Development Expenses [CREDP]		3300000.00
			Human Resource Deve.Expenses [HRDC]		914000.00
			Space Technology Research Expenses [CSRTC]		1158457.00
			<b>Research &amp; Development (Others):</b>		
			Uni. Development Expenses	232	38017500.00
			Development Reserve [Furni & Equip.]	233	103100000.00
			<b>TOTAL</b>	<b>1336266223.43</b>	<b>TOTAL</b>
					<b>1336266223.43</b>

Date : 07<sup>th</sup> April, 2023  
Place : Changia

  
Dr. Atul M. Patel  
Registrar

  
Dr. R. V. Upadhyay  
Provost

  
Surendra M. Patel  
President



Examined &amp; Found Correct

  
B. C. Patel & Co.  
Chartered Accountants, Anand

**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

CHARUSAT

Balance Sheet as on 31<sup>st</sup> March 2023

[Consolidated]

[Consolidated]

Consolidated						
Funds & Liabilities	Sch.	Amount (Rs.)	Amount (Rs.)	Assets & Receivables	Sch.	Amount (Rs.)
<b>Funds:</b>				<b>Assets Gross Block:</b>		
University Development Fund		338470562.00		Assets Block		
<b>Less:</b> During the year [Net]		111982500.00	226488062.00	Add.: During the Year		1084856035.71
Institutions Development Fund		1292995280.00		<b>Less:</b> Write Off		139697156.82
<b>Add.:</b> During the year		103100000.00	1396095280.00			35422815.00
				<b>Deposit &amp; Advances:</b>		1189130377.53
				Fixed Deposit [GMM+B.Sc. Nur.+ B.Phys]		28812101.81
Exam Unit Fund				Fixed Deposit [Short Term]		254600000.00
<b>Earmarked Fund:</b>				Fixed Deposit [Gold Medal Fund]		36716411.00
Education Fund - Changa [Sport Complex]	Z9	2500000.00		Fixed Deposit [Endow. Fund-Chairs & Others]		612514549.50
Endowment Fund [Chairs & Others]	Z10	294647080.43		Fixed Deposit [Fund-Scholarship Fund]		84375726.00
Student Scholarship Fund	Z11	90749723.60		Others Deposits		3986602.70
Charusat Earmarked Fund	Z12	101322989.05		Advance To Other		17324688.01
Endowment Fund [Gold Medal]		36734926.00				
				<b>Receivable A/C.:</b>		
Depreciation Fund				Receivable A/C. [T.D.S + Misc.]		9206223.72
<b>Creditors &amp; Other Liabilities:</b>				<b>Closing Stock:</b>		
Project Fund	Z13	55372670.70		Closing Stock [Uni. Store]		1301274.12
Students Deposit		53708102.25				
Other Deposit [Vendors Deposit]	Z14	3481803.00		<b>Cash &amp; Bank Balance:</b>		64286711.81
Liabilities for Advances	Z15	51662188.52		As per Schedule		
Sundry Creditors		2846322.10				
Expense Payable		140000.00				
				<b>Income &amp; Expenditure A/c.:</b>		
				Previous Year		741712207.30
				<b>Add.:</b> Current Year		62447660.15
						804159867.45
				<b>TOTAL</b>		<b>3106414533.65</b>

Date : 07<sup>th</sup> April, 2023  
Place : Changal

Examined & Found Correct.

**Examined & Found Correct.**



**Surendra M Patel**  
**President**

Ramchandra  
Dr. R. V. Upadhyay  
Provost

11



Dr. Atul M. Patel  
Registrar



## Annual Report 2022-23

### **Part 4** A Pictorial Narrative of the Year

## 12<sup>th</sup> Convocation: A Pictorial Narrative



12<sup>th</sup> Convocation: Dignitaries during the Procession



12<sup>th</sup> Convocation: Dignitaries on the Dias



CHARUSAT Students Band performing at 12<sup>th</sup> Convocation



12<sup>th</sup> Convocation: Lamp Lighting by the Dignitaries



12<sup>th</sup> Convocation: Audience



12<sup>th</sup> Convocation: Audience



12<sup>th</sup> Convocation: Shri Surendra Patel addressing the audience



12<sup>th</sup> Convocation: Dr. R. V. Upadhyay delivering Welcome and Introduction along with University Report



12<sup>th</sup> Convocation: Shri Ashok Patel, Chief Guest delivering the Convocation Address



12<sup>th</sup> Convocation: Students taking the oath



12<sup>th</sup> Convocation: Dean, FMD presenting the Students



12<sup>th</sup> Convocation: Dean, FCA presenting the Students



12<sup>th</sup> Convocation: Dean, FOS presenting the Students



12<sup>th</sup> Convocation: Dean, FMS presenting the Students



12<sup>th</sup> Convocation: Dean, FPH presenting the Students



12<sup>th</sup> Convocation: The Chief Guest and the President awarding the Gold Medals and Degrees



12<sup>th</sup> Convocation: The Chief Guest and the President awarding the Gold Medals and Degrees



12<sup>th</sup> Convocation: The Chief Guest and The President awarding the Gold Medals and Degrees



12<sup>th</sup> Convocation: Student Giving feedback on education experience at CHARUSAT



12<sup>th</sup> Convocation: Post Lunch Degree distribution



12<sup>th</sup> Convocation: Post Lunch Degree distribution



12<sup>th</sup> Convocation: Post Lunch Degree distribution



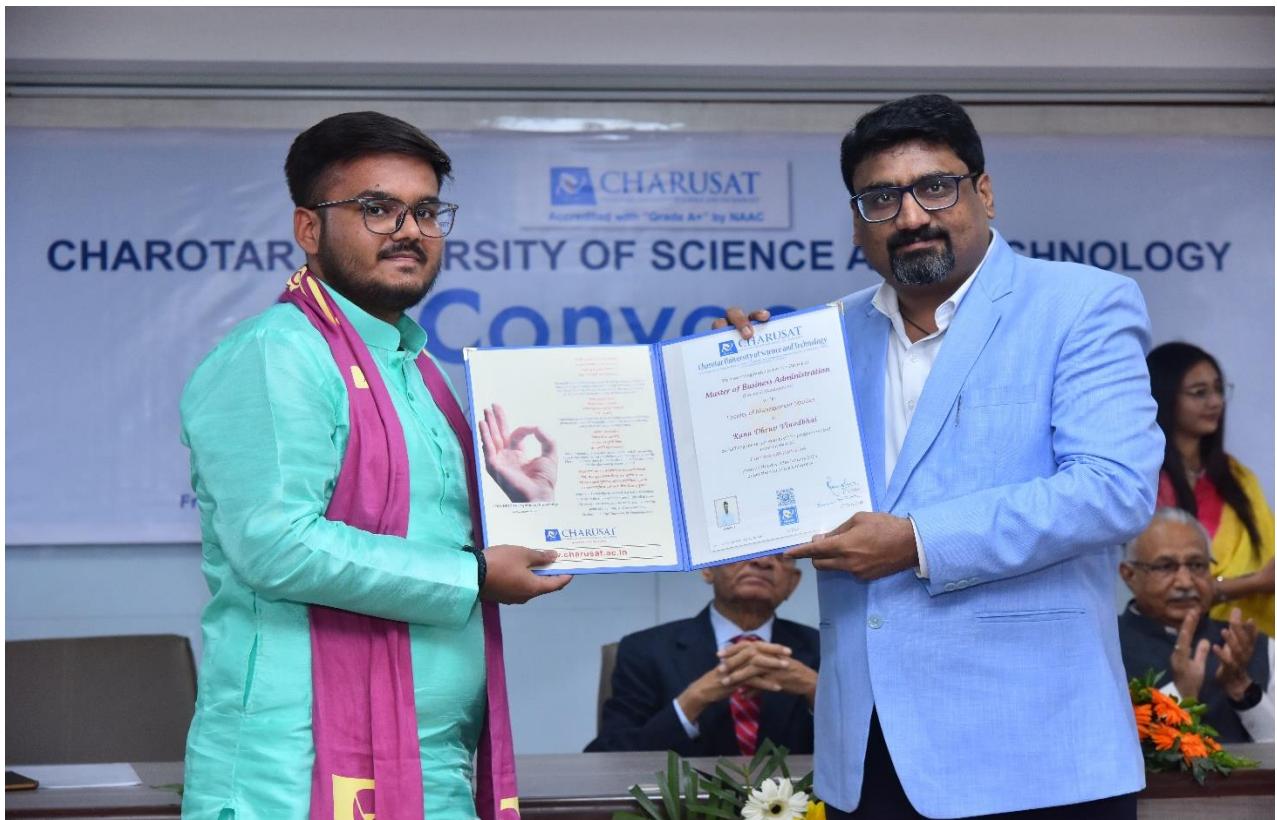
12<sup>th</sup> Convocation: Post Lunch Degree distribution



12<sup>th</sup> Convocation: Post Lunch Degree distribution



12<sup>th</sup> Convocation: Post Lunch Degree distribution



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12<sup>th</sup> Convocation: Post Lunch Degree distribution



12<sup>th</sup> Convocation: Post Lunch Degree distribution



Team CHARUSAT @ 12<sup>th</sup> Convocation



12<sup>th</sup> Convocation: procession Retreats

## 23<sup>rd</sup> Foundation Day: A Pictorial Narrative



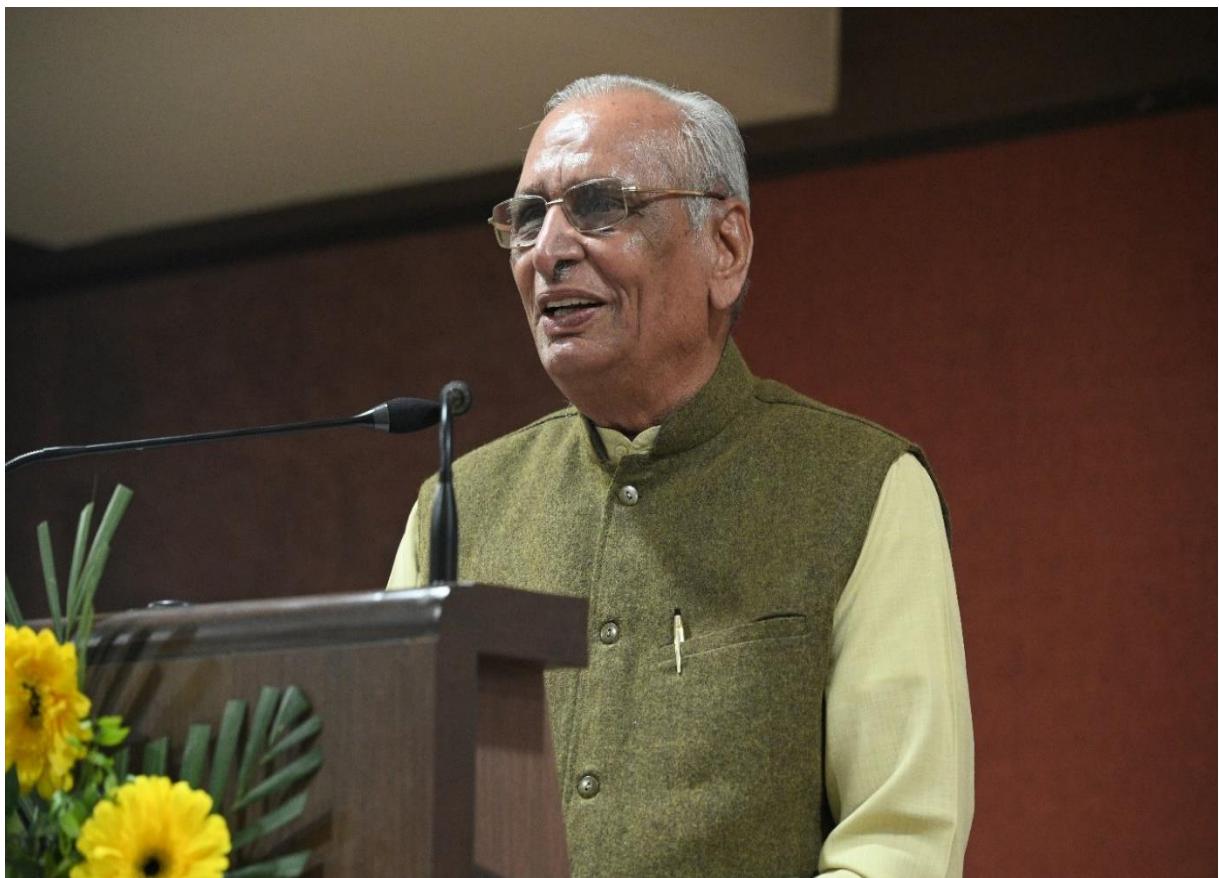
23<sup>rd</sup> Foundation Day: Welcome of dignitaries with Scientific Project



Provost Dr R. V. Upadhyay welcoming the Chief Guest, Dr Harish Patel, Renowned Technocrat, USA



23<sup>rd</sup> Foundation Day: August Audience



23<sup>rd</sup> Foundation Day: President - Shri Surendra Patel addressing the August Audience



23<sup>rd</sup> Foundation Day: Dr R. V. Upadhyay addressing the August gathering



23<sup>rd</sup> Foundation Day: Dr Harish Patel delivering motivational speech



23<sup>rd</sup> Foundation Day: Dr. Harish Patel being felicitated with a memento



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards



23<sup>rd</sup> Foundation Day: Research Awards

## SPOURAL 2023: A Pictorial Glimpse

Spoural '23 – Inauguration





Spoural '23 – Team NCC



## Spoural '23 – March Procesion



## Spoural '23 – March Procesion



## Spoural '23 – Indoor Games



## Spoural '23 – Indoor Games



## Spoural '23 – Outdoor Games



## Spoural '23 – Outdoor Games



## Spoural '23 – Outdoor Games



## Spoural '23 – Outdoor Games



## Spoural '23 – Offstage Events



## Spoural '23 – Onstage Events



## Spoural '23 – Onstage Events



## Spoural '23 – Onstage Events



Spoural '23 – Onstage Events



## Spoural '23 – Felicitations



## Spoural '23 – Felicitations



## Spoural '23 – Felicitations



## Institute Events: A Pictorial Narrative



Prabandhan '22 organised by Indukaka Ipcowala Institute of Management (IIIM)



Plant Distribution at Nadiad, Gujarat - Celebration of Prayaas on Birth Anniversary of Late Shri Indukaka Ipcowala (Chief Patron of IIIM)



CSPIT - Mechanical Engineering students received SILVER Award at Maker Fest – Vadodara



CSPIT- IT department organised Solution Challenge to foster the culture of innovation and entrepreneurship



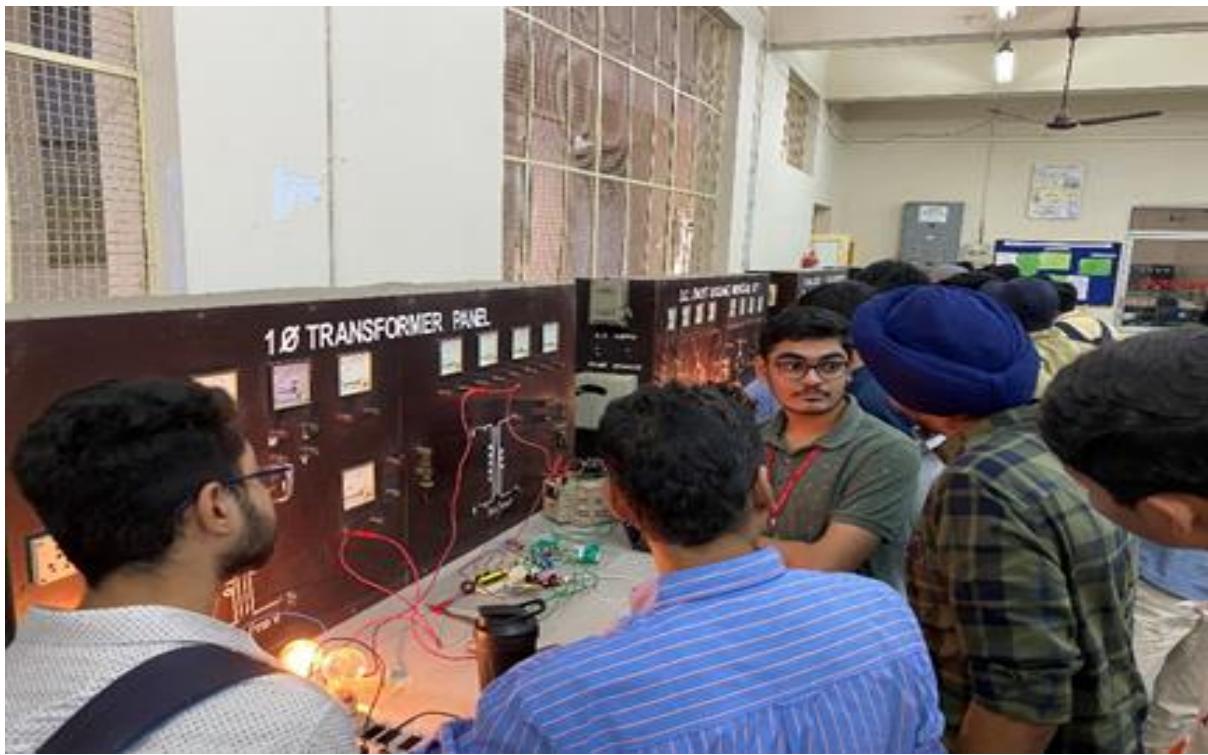
CSPIT- IT department organised Coder's Arcade to shape the tech industry's future leaders

A graphic featuring five circular portraits of students, each with a yellow callout below it containing the student's name, ID, and NPTEL exam result. The students are:

- Bhadania Yashkumar D. 21IT008
- DARJI NACHIKET H. 21IT023
- HARIA JEET 21IT043
- SHETH KEVAL D. 21I147
- AADARSH TANK 21I162

Below the portraits, text reads: "Topper of 1% in NPTEL Exam Database Management System". The NPTEL logo is at the bottom left.

CSPIT - IT Students topper in 1% in the National Level SWAYAM-NPTEL Exam



CSPIT- EE organised a project development workshop



CSPIT- EE organised fundraising to give away to “Divyang” People.



CSPIT- EE Department student played a play to raise awareness about Energy Conservation



CSPIT – EC Department students have participated in the level Verilog hackathon Contest 2.0



CSPIT- CE organised Industrial Training on Embedded Machine Learning

Participants (26)

Panelists (23)	Attendees (3)
Z CHARUSAT (Co-host, me)	
M Mehulkumar Katakiya (Host)	
NP Nirpex Patel (Co-host)	
BS Bhargav Shobhana (Co-host)	
KD Kanchal Dave (Co-host)	
DV Dr. V R Panchal	
bharti tekwani	
C CHARUSAT	
DP Divya patel	
FI FINHASALI I NAVSARIWALA	
GS Gargi Sojitra	
GG Gaurav Gohil	
JB Jay B Gajjar	
Pinal Patel_27	
CHARUSAT	
Z	
Gaurav Gohil	
Mehulkumar Katakiya	
CHARUSAT	
Shah Dhrumil	
Bhargav Shobhana	
Gargi Sojitra	
Parth Patel	
Nirpex Patel	
Neha Rajput	
Manthan Rajput	
Morkhande	
bharti tekwani	
PATEL MIT	
Jay B Gajjar	
Kanchal Dave	
Jay Bhavsar	
thoudam ronaldo singh	
Shree	
Divya patel	
Dr. V R Panchal	
FINHASALI I NAVSARIWALA	
FINHASALI I NAVSARIWALA	

CSPIT- CL organised online International Conference ASE'2023



CSPIT- CE host a compact competitive programming event called CodePie, in partnership with CodeChef and Coding Ninja



CSPIT- AIML organised MEET-UP “AI FOR ALL”



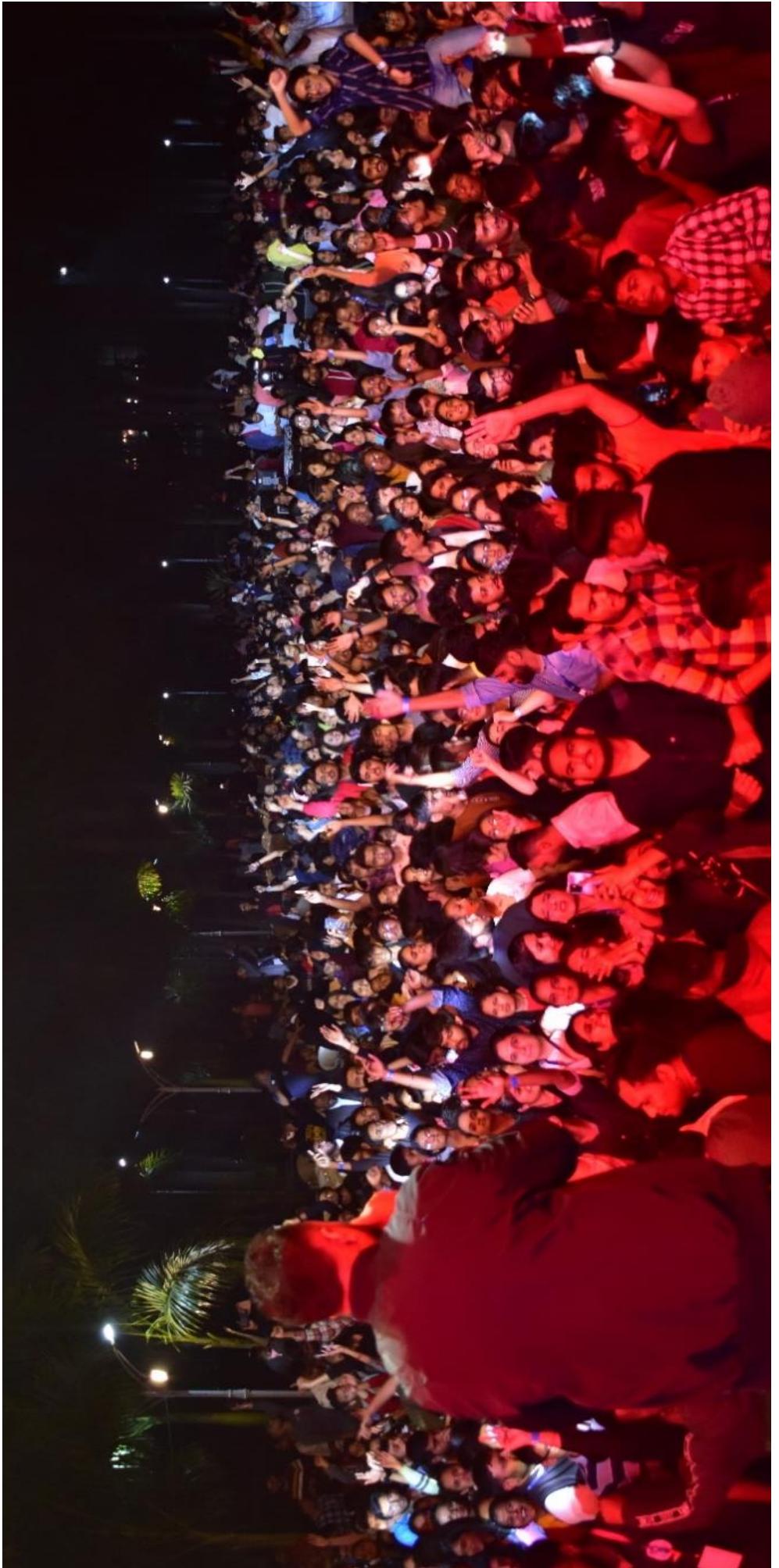
CMPICA organised STEAM Based Training for the Skill Enhancement “Robotics Masters Training and Certificate Program”



CMPICA organised “IGNITE – 2023”, A National Level Computer Technocrats’ Symposium



CMPICA organised an event "Agnitio - 2023 Time to Show Your Talent"



**Charotar University of Science and Technology**  
CHARUSAT Campus, Changa, Dist. Anand 388 421 (Gujarat) India  
Phone: + 91 2697 265011, 265021  
Email: [info@charusat.ac.in](mailto:info@charusat.ac.in) | Website: [www.charusat.ac.in](http://www.charusat.ac.in)