



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY



13th Annual Report

2021 - 22

Indian Express
17-01-2022

Anand's CHARUSAT university holds 11th convocation

EXPRESS NEWS SERVICE
AHMEDABAD, JANUARY 12

THE CHAROTAR University of Science and Technology (CHARUSAT) in Anand held its 11th convocation on Wednesday wherein 34 students were awarded gold medals.

In total, 2271 students were awarded degrees by the chief guest Dr Bimal Patel, vice chancellor of Gandhinagar based Rashtriya Raksha University (RRU).

"Today is the anniversary of Swami Vivekananda who is revered by millions of youth in India and the world. Till now, students have learned from their teachers but from now on, you will from now on learn from your life and work," said Patel on this occasion.

He advised the new graduates to be open to new frontiers of life. "APJ Abdul Kalam wanted to become a teacher but he ended up becoming a scientist and then the president of India," he added.

Gujarat Samachar
13-01-2022



બયોટર ખુલ્લિનાંથી ઓક સાધારણ અને ટેકોનોલોજી (આર્સેટ) ખાતે ભૂખવાના રેઝ અગિયારમો પડવીદાન સમારોહ વુનિ. ના પ્રાંગણમાં યોથુયો હતો.

સમારોહમાં કુલ ૨૨૭૧ વિદ્યાર્થીઓને પદવી અનાયત
ચારુસેટ યુનિ. નો ૧૧ મો પદવીદાન સમારોહ
યોજાયો: ૩૪ વિદ્યાર્થીઓને ૪૧ ગોલડ મેડલ

આંધ્ર, તી.૧૨ (ચાઉસ્કે) ભાત બુધવારના રાજ અન્યાયમાં
બશેતર બુનિવસિટી ઓફ સાયન્સ્એડ ટેકનોલોજી પદવીનાન સમાચેર બુની. ના પ્રાગંગમાં યોગ્યા હતો.

ଆଜି କୁମାରାଳାନୀ ମୁଖ୍ୟ ଆତ୍ମତ୍ୱ
ତେଣୁ କିନ୍ତୁ ନିର୍ମାଣଶବ୍ଦ ଲାଗିଥିଲା,
ଯୁବତୀଙ୍କୁ ଘୋଷିତ ହେଲା ଏବଂ ଅନେ
ରେଣ୍ଡିପ୍ ଦୂର୍ବଳ ବିନ୍ଦମିତି କାହିଁ
ଯାନ୍ତରକ୍ରମୀ କିମ୍ବା ପଟ୍ଟନାମା
ରହିଲା କିମ୍ବା ପ୍ରବଳନ ଆୟୁଷ ଧରି
ଆ ପଦବୀରେ ପରିଚେତାମାତ୍ର କୁଳ
ରେଣ୍ଡିପ୍ ବିଧାଯକାଳେ ଅନେକ ବ୍ୟାକ
ଅନୁଷ୍ଠାନିକ କାମାକ୍ଷରିତ ହେଲା
ଏବଂ ଏକାକୀକରଣ କାମାକ୍ଷରିତ
କାମାକ୍ଷରିତ ହେଲା ।

13-01-2022

दिव्य समाचार

“યુવાઓ ઉદ્યોગસાહસિક બની, નવી તકોનું સર્જન કરી,
આત્મનિર્ભર ભારતનું નિર્માણ કરે.” - ડૉ. જિમલ પટેલ

(આરસેટ) ચાંગાનો ૧૧મો પદવીદાન જીમારંભ યોજાય)



ચાર્ટસેટ યુનિ.નો
(પહેલા પાનાનું ચાલ)

समारोह गत तथकामा प्रोल्डी
रहो ले. प्रथम तथकामा मुख्य
समारोह अंतर्गत ता.इभी
जन्मपादीना रोज विविध
विद्यालयांमध्ये अद्भीम स्थान
प्राप्त करनार ३४ तेजस्वी
विद्यार्थ्यांनो या योद्धामेहुल साचे
मर्टीनीकॉट ऐनाशत कराया ला.
ज्यारे ४० तेजस्वी विद्यार्थ्यांने
पीछेयाची तीव्री ऐनाशत कराई
होती.

સમારણનું મુખ્ય અભિવ્યક્તિ તરીકે
ઉપયોગ પાઠી વિભાગ
સહાયકિતા, લંગધારણ, પરીક્ષામ,
કૃતજ્ઞતા, નિતીમના અને સાધનનું
અન્દ ટેકનોલોજી પર આર મુક્તા
નવસ્થાનાંને આત્મનિર્ભર ભારત
અભિયાનમાં કાળો આપી શેર્ખ
આર અને સમાજના નિર્માણ માટે
પ્રેરણાં આપતા જાત્યાનું હંતું કે દેશના
મુખ્ય વધુ મુખ્યાનો ઉચ્ચો ગ્રાહકિતા
તરફ વાયુ અને નાની તકને નિર્માણ
કરે. તેઓને ગેરીયકિત સંસ્કારાને
ઉત્તેશને કર્યું હંતું કે, તેઓનો મુખ્ય
ઉદ્દેશ સમાજના રેલ્વે સંસ્કારાનોના
નિરાકરણ અને ઉત્તર્ય તરફ હોય એ
જરૂરી કન્ની રહે છે.



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Charotar University of
Science and Technology
(CHARUSAT)

Thirteenth Annual Report
2021-22

Editorial Board
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A Word of Inspiration from the President....

"Education is an ornament in prosperity and a refuge in adversity" - Aristotle

India has seen a consistently high rate of economic growth in the recent years. It has now become a major player in the global knowledge economy. It is now widely accepted that the higher education has been critical to India's emergence in the global knowledge economy. Higher education and its quality are related to the nation's prosperity.

The university is the top institution of higher learning that develops students' intellectual and social skills and equips them for lifelong learning. By creating and disseminating social networks, technological literacy, information, and imagination, it creates additional essential conditions for economic activity in a world that is moving quickly. It prepares graduates for all professional occupations and many fields of skilled work, and it certifies them for work and further study. Hence, the university education systems across the country need to shoulder the responsibility to mould the next generation and become instrumental in the social and moral upliftment of the individual of this age.

The Charotar University of Science and Technology (CHARUSAT) was founded with the similar goal of putting India on the map of the world's educational systems. Through producing, enhancing, and disseminating knowledge, it has been recognised as an educational hub. Since inception, CHARUSAT has been redefining and redesigning higher and professional education. CHARUSAT strives to convert information into knowledge and wisdom which allows citizens to live a harmonious and meaningful life in accordance with all existence. The university is moving quickly to address the difficulties of modern higher education. It has started a steadfast march towards the actual culmination of its intellectual and social endeavours. The University's success

has largely been attributed to its outstanding academic environment, steady commitment to the paradigm of full potential realisation in research and teaching, and other factors. Moving a step ahead towards the purpose of education, CHARUSAT aims to make its students Job Creators and not Job Seekers. 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. Hence, it works in synchronization with all of its stakeholders. CHARUSAT has also dedicated all its efforts in giving back to the society and has been striving hard to create the future leaders. The Charusat Rural Education Development Program has been working to raise educational standards in rural areas as a modest act of community service, emphasizing 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. Students and Teachers of CHARUSAT have all been contributing in this noble gesture. Teaching and Research share a symbiotic relationship, wherein one nourishes and complements the other. Research for a Social Cause or a Research with Social Relevance has thus been the prime concern at CHARUSAT. A Research and Development Centre has been established on the Campus to foster multidisciplinary research. Further, to initiate and foster research in Space Technology, Charusat Space Research and Technology Centre (CSRTC) has also been established which works in close collaboration with ISRO. Venturing into Astrophysics and Cosmology, International Centre for Cosmology has been established. 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 would like to call upon all concerned to engage with CHARUSAT to innovate towards new solutions, which are in sync with 21st century requirement and work setting and that focus on affordability, scalability and sustainability. I would like to thank and express my profound 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 also like to offer thanks to the Members of Governing Body, Board of Management and other Committees for their invaluable guidance. I take this opportunity also to place on record my sincere appreciation of the untiring efforts of all the donors, executives of Matrusantha, Kelavani Mandal, and CHARUSAT, Experts, Principals, Teachers and Students for their contribution. The 13th Annual Report depicts major of the activities and achievements of the year 2023-23. I feel contented 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.

Congratulations once again and May the God bless you all.



From the Desk of the Provost...

Greetings from Charotar University of Science and Technology! It is a matter of immense pleasure to present to you the Annual Report of the University for the year 2022-2023. This Report has been prepared as part of a statutory requirement and also to assess the progress of the University with regard to efficiency of services and achievements towards its mission.

The Sustainable Development Goals are a bold commitment to tackle some of the more pressing challenges facing the world today. All 17 Goals interconnect, meaning success in one affects success for others. Dealing with the threat of climate change impacts how we manage our fragile natural resources, achieving gender equality or better health helps eradicate poverty, and fostering peace and inclusive societies will reduce inequalities and help economies prosper. The 2030 Agenda for Sustainable Development, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart

are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries -developed and developing - in a global partnership. In order to make the 2030 Agenda a reality, broad ownership of the SDGs must translate into a strong commitment by all stakeholders to implement the global goals.

As Amartya Sen (1999) argues in *Development as Freedom*, the essential keys to development are self-determining human capability and the democratic space in which agency is shared and expressed. Only the constructive energies of people operating on a large scale can decisively change social conditions. In this context, the key to building SDGs is education. This is why the growth and improvement of higher education has become a core objective in most countries. It carries the potential for growth and improvement in all other social and economic sectors.

One such academic organization rapidly striding towards becoming a World Class University (WCU) through 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, 6 faculties, 9 institutes offering more than 51 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. University has ranked in the band of 151-200 in NIRF. 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) 2020. In this endeavour to improve the research quality in the teacher- student fraternity, in the last five years, at CHARUSAT, 238 Research Scholars have been awarded with Ph. D. In addition, 383 Research Scholars are pursuing their Research at CHARUSAT. From among 126 full time research scholars, this year 30% have been selected for fellowship from various government funding agencies. CHARUSAT has 3 researchers appearing in top 2% most-quoted scientists of the world. More than 42% of the faculty at CHARUSAT hold the highest degree of PhD. Within two years, 100% faculty shall be PhD holders.

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 240 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. 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 2016 to 2020. 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. 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 950 mbps round the clock internet connectivity. There are more than 2923 PCs, high- endservers, and latest softwares, with more than 241 laboratories. The Central Library is enriched with more than 95000 books, 340 Print Journals and 16000 E-journals & magazines and educational databases. The present development at CHARUSAT has capital outlay of Rs. 1500

million. Further, currently, CHARUSAT has more than 365 faculties and staff pulsating with vigor and will to conquer the world. The commitment and zeal of the faculty is 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 7299 students on roll. It has been envisaged to expand the activities at CHARUSAT beyond teaching and extension through the establishment of 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 391 faculty members, 150 have Ph. D. degrees, while 237 have Master 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. All recruitments were carried out even during pandemic. Faculty promotions were also awarded. Further, it has been the practice at CHARUSAT to release the salaries of employees on the first day of the month.

In order to give the students, an enriched academic experience, CHARUSAT strives to constantly upgrade its syllabi and curricula in synchronization with the Industry needs. In the last academic year, 70 new courses have been introduced at CHARUSAT which is 50% more than those offered in 2020-21. Similarly, 21 value added courses, imparting transferable and life skills, have been offered in the year 2021-22; which is 250% more than those offered in the year before.

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 through two of its thrust areas. 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. Mr. Harish Mehta Founder & Executive Chairman of Onward Technologies and First elected Chairman of NASSCOM graced the 10th Convocation Function as the chief guest and delivered the tenth convocation address online. Thrust is also given on Research and Consultancy Projects. 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. It also has Projects of Industry and Consultancy. To promote research and motivate them, University has instituted best research paper award in each faculty. The second thrust area is focusing on healthcare education and healthcare delivery. Healthcare Education has been initiated in the allied fields of Nursing, Physiotherapy and Paramedical Sciences. Further, 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, 150 Bed Hospital has been fully functional. Further, during the year, many National and International Scholars visited CHARUSAT and delivered lectures; similarly, CHARUSAT faculties visited places for the similar purposes, too. In context of student support and progression, in addition to organizing various events and activities and facilitating the students for the same, CHARUSAT has introduced different kinds of scholarships of Rs. 4 Crs. CHARUSAT has instituted total 30 Gold Medals, and created indoor and outdoor sports facilities. CHARUSAT also provides special training to the students for GATE, GPAT, GRE, and other Professional Certification Programs in their fields of Study.

These efforts will assist the University in carving out its own niche among institutions of higher learning in the country and abroad. We must spread our wings in order to have a much broader impact in society and provide the best human resource possible. CHARUSAT has set for itself the vision and goal of being amongst the top 50 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 Thirteenth 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 hope you will be happy to read about those developments and activities. At the time of the publication of the Thirteenth Annual Report, I would like to acknowledge the contribution of Students, Principals, Faculty and Staff, Executives and Advisors, visiting experts and donors who have accelerated the development. I would like to thank all the students and their parents for keeping faith in CHARUSAT. Further, I also thank the Members of Governing Body and Board of Management for charting out the growth path I would like to thank and express my profound gratitude to all the Members of Academic Council, Research Council, Advisory Boards, Board of Studies and other Committees of CHARUSAT along with the Advisors for their help and guidance. Finally, thanks to all the Deans and Principals of the constituent institutes of CHARUSAT and their staff (teaching and non-teaching) for carrying out different activities, elite academia and industry – who have been sharing their knowledge and expertise and all Visitors and Well-wishers for their motivation.

I hope that the readers will find the Report both informative and useful. Thank you!

Dr. R. V. Upadhyay

preface

Dear Readers,

The 13th Annual Report of CHARUSAT showcases the remarkable achievements of the past academic year. As we reflect on the accomplishments of our faculty, staff, and students, we also look forward to the opportunities that lie ahead.

CHARUSAT is committed to providing a world-class education to its students while fostering a culture of innovation and research. In the past year, we have continued to build on our strong foundation by launching new programs, expanding our research capabilities, and strengthening our partnerships with industry and academia.

Our faculty members have made significant contributions to their respective fields through their research and publications. They have also been recognized with awards and accolades, which is a testament to their dedication and hard work.

Our students continue to excel both inside and outside the classroom. They have participated in national and international competitions, presented their research at conferences, and contributed to the community through various outreach programs. We are proud of their achievements and are confident that they will continue to make us proud in the years to come.

In the coming years, we will continue to focus on providing a transformative educational experience to our students while addressing the challenges and opportunities of the ever-changing global landscape. We will continue to foster a culture of innovation, research, and entrepreneurship, and work towards our vision of becoming a globally recognized institution of higher learning.

We would like to express our gratitude to our faculty, staff, students, and stakeholders for their unwavering support and commitment to our vision. We hope this report provides you with a comprehensive overview of our achievements and inspires you to join us in our journey towards excellence.

To facilitate reading, the report is divided into 3 parts. The parts are:

Part 1: CHARUSAT at a Glance; Councils, Boards, Committees at CHARUSAT

Part 2: Journey Traversed 2021 - 22

Part 3: Financial Statement of the Year

Finally, the Editorial Board heartily thanks and expresses a deep sense of gratitude to Dr. Bhaskar Pandya, Dr. Kaushik Trivedi, Dr. Vijay Makwana, Dr. Kinjal Bhatia, Dr. Hiren Patel, Dr. Raeesa Usmani, Ms. Nishi Purohit, Ms. Pranjal Bhatt, Ms. Bharati Kaknani, Ms. Jayshree Mehta, Dr. Vikas Raval Ms. Celine Davla, and Dr. Lipi Acharya for data collection, data formation and data compilation to prepare the report.

- Editorial Board

Executive Summary

The Thirteenth Annual Report of CHARUSAT delineates all the significant facets of Academics of the year 2021-22 including regular teaching-learning research projects, collaborations, major achievements and accomplishments as well as a range of activities like curricular, co-curricular and extra-curricular competitions, cultural events, extension activities and consultation services provided to other organizations.

Report Layout

For the convenience of the readers, the report has been divided into three parts. Part 1 starts with a brief introduction of CHARUSAT and provides a list of members in various Boards, Councils and Committees formed to monitor the development activities and to chart the roadmap for the future growth. Part 2 represents the year at a glance. It also accounts the major initiatives taken, activities and events executed by the institutes throughout the year under different criteria like Curricular aspects, Teaching-Learning and Evaluation, Research, Consultancy and Extension, Infrastructure and Learning Resources, Activities of Students' support and progression and lastly, Part 3 presents financial statements of the year.

Governance

During the year 2021-22, the Governing Body met for three times whereas Board of Management met for six times. CHARUSAT also aspires to launch the discipline of Medical Science in the near future. Apart from this, as against the requirements, new faculty/staff members/ have also been appointed in various faculties / institutes / departments of CHARUSAT.

Curricular and Co-Curricular Activities

Overall result of all the six faculties of CHARUSAT enunciates optimism, encouragement and inspiration. On successful completion of their academic requirements, 2271 students were conferred their degrees on the 11th Convocation of CHARUSAT on 12th January, 2022. To recognize and appreciate their academic excellence throughout the programme, 41 Gold Medals were awarded. During the year, in all the institutes, the students were also trained in various carrier oriented courses. Besides, various University/ State and National level Tech/ Parma/ management Fests, seminars, conferences, workshops and Training Programmes and other

similar academic events were organized for the holistic development of the students, faculties and other members of CHARUSAT. Students and Teachers attained various awards and recognition of national and international repute in the fields of academic, academic sports and extra- curricular activities across the world.

Research and Collaboration

CHARUSAT is fortunate to have well-qualified and trained team of faculties dedicating their efforts to make the process of teaching-learning and knowledge generation more creative and impactful. Researchers at CHARUSAT have worked upon the ongoing research projects and grants of more than Rs. 40 crores from funding agencies such as DST/DBT, GUJCOST, UGC, AICTE, DAE, SERI, CSIR, ABB, DNP Industry and GSBTM. The faculty members and students of CHARUSAT also hold 15 patents and 29 more patents are filed. Currently, 355 Research Scholars are pursuing their Ph.D from CHARUSAT.

Events of Eminence

CHARUSAT gladly celebrated its 11th Convocation on 12th January, 2022. The convocation was graced by Dr. Bimal Patel, Vice Chancellor of Rashtriya Raksha University India as the chief guest and Shri Surendrabhai Patel, President, CHARUSAT University. In the cordial presence of Members of governing body, Board of Management of CHARUSAT, and all the other stakeholders of the university, 41 students with academic excellence were awarded with Gold Medals and 2271 students from 6 faculties, including 40 Ph. D. scholars were awarded with the degree. Furthermore, many national and international levels, academia meets, alumni meets, annual days of institutes, international women's day celebration and cultural festivals of the University were also organized at CHARUSAT Campus.

Infrastructure

All the institutes of CHARUSAT provide the latest facilities for students such as ICT Facility, Networking of classrooms, with electronic database, MM theatres for conference, well equipped laboratories, to conduct experimental works, well ventilated lecture hall, state of art computer laboratory with latest configuration for

giving practical exposure, and there always is special provision of a seminar hall and readingroom. Every year new facilities are created and old ones are maintained regularly. 284 seater auditorium with proper facility has been established for better seating arrangement during lecture, seminar and events. Drug Information Centre has been established with the object of proving accurate and rationale information of medicines to the health care providers. Separate pharmaceutical analysis lab has been allotted for B. Pharm students. Ph.D lab has been developed for research scholars. There has been procurement of minor equipment digital Polarimeter, digital melting point apparatus and major equipment like HPLC with ELSD detector Millipore filtration assembly rotary evaporator. Central Instrument lab has been compartmentalised into AC and Non-Ac labs. All the institutes of CHARUSAT provide recent and the best facilities for students as well as teachers. Different institutes of

CHARUSAT have initiated different labs for learning and research facilities such as Rehabilitation and Sports Medicine (research database), Doubly Fed Induction, Generator Set Up, Augmented & Virtual Reality Lab, Data Analytics Lab, Material Testing Laboratory, Environmental Engineering Lab, Project Lab. DEPSTAR established Apple Lab, Sophos Security Lab, Data Analytics Lab, Virtual Reality Lab to provide enhanced facilities. MTIN initiated nursing research laboratory to contribute to the best learning experience. PDPIAS established Optical Measurement Lab and Molecular Modelling Lab to cope up with the global requirements of learning. There has been the launch of other labs like Hydro climatology Research lab, Fluid Mechanics Lab. All the labs are well equipped with necessary facilities.

Present report illustrates all these development activities, achievements and initiatives in detail.

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Part 1

CHARUSAT at a Glance

Councils, Boards, Committees at CHARUSAT

CHARUSAT at a Glance

Charotar University of Science and Technology (CHARUSAT) has been envisaged to put India on global education map by making Charotar – the Land of Sardar Patel the Global Education Hub. CHARUSAT is accord the status of a university under Gujarat State Act No. 8 of 2009. CHARUSAT is also empowered to award degrees by UGC under Section 22 of UGC Act, 1956.

CHARUSAT offers 72+ different Undergraduate, Postgraduate, and Ph D Programmes with more than 7500 students enrolled in 9 different Institutes. To foster Innovations, an R & D Centre has also been established. Further, for the development of CHARUSAT employees through enriching knowledge, sharpening skills and fostering attitude, a Human Resource Development Centre has also been established. The development activities have a capital outlay of Rs. 150 Crores.

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 continuing the Tradition of High Moral Values

As a University, CHARUSAT is proud to continue practicing the High Moral Values carved by Shri Charotar Moti Sattavis Patidar Kelavani Mandal. It works with a commitment to:

- Transparency at all levels as demonstrated through management practices in processes like admission, recruitment, account and purchase
- Accountability for the effective results, placements and preferences in career Integrity amongst its fraternity and society, as seen in the alignment of faculty & staff in their commitments and delivery
- Openness and diversity of thought, experience and culture as planned for a multidisciplinary, multicultural work and

environment, and by equal opportunity to all sections of society

- Fairness and equity in all its actions

Kelavani Mandal – The Trust that caused the Development

The seeds of CHARUSAT were sown somewhere in the year 2000 by Shri Charotar Moti Sattavis Patidar Kelavani Mandal. Kelavani Mandal is a not for profit organization that solely focuses on imparting education and spreading light of knowledge.

Kelavani Mandal started functioning

from 1994 after getting registered as a not for profit Education Trust with Charity Commissioner's Office. It works with the following Vision and Mission:

Vision

To emerge as a foremost not-for-profit organization striving to transform society through leadership in teaching, research, scholarship, and social action

Mission

Social upliftment and transformation through knowledge and education

As its first venture, Kelavani Mandal established Education Campus – Anand in 1995. D Z Patel (Raml /London) Higher Secondary School (Science Stream) and Jashkamal – Milcent Management Training Centre (JMTC) are the constituents of it. To further bring about social transformation, the Trust took up the Changa Campus project. Education Campus Changa was founded in 2000 with the establishment of Charotar Institute of Technology (CITC) as the first institute which is now known as **Chandubhai S Patel Institute of Technology (CSPIT)**. The development started only with 240 students, 4 programmes, 1 institute and an investment of Rs. 3 Crores. In the years 2002 and 2004, the Mandal established Charotar Institute Communication Engineering) Bachelor of Technology (Computer Engineering), Bachelor of Technology (Information Technology), Bachelor of Technology (Mechanical Engineering), Bachelor of Technology (Electrical Engineering), Bachelor of Technology (Civil Engineering)

Master Degree Programs

Electronics & Communication Engineering (Embedded Systems & VLSI Design), Mechanical Engineering (CAD / CAM), Mechanical Engineering (Advanced Manufacturing Technology), Computer Engineering, Electrical Engineering (Power System), Information Technology, Civil Engineering (Structural Engineering)

Doctorate Program under all faculty

Devang Patel Institute of Advance Technology and Research

Devang Patel Institute of Advance Technology and Research has been established in 2017-18. The institute is patronized by and named after Mr. Devangbhai Patel. It offers three full-time Undergraduate B. Tech Programmes. Following are the details of the programmes:

- B. Tech in Computer Engineering
- B. Tech in Information Technology
- B. Tech in Computer Science Engineering

Smt. Chandaben Mohanbhai Patel Institute of Computer Applications

Smt. Chandaben Mohanbhai 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 Mohanbhai Patel Institute of Computer Applications on December 29, 2011.

It offers full-time **Master of Computer Applications** (MCA), Master of Science in Information Technology (MSc 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.

Following are the details of different Programs:

Ramanbhai Patel College of Pharmacy

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.

The institute offers **B. Pharm. and M. Pharm. Programs**. The programs are approved by All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI). 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. Following are the details of programs and specializations offered:

- **Bachelor Degree Program**

B Pharm Program

- **Master Degree Programs**

M Pharm Program in Pharmaceutical Technology

M Pharm Program in Quality Assurance
M Pharm Program in Clinical Pharmacy

M Pharm Program in Pharmacology & Toxicology

M Pharm Program in Drug Regulatory Affairs in Pharmaceutics

- **PG Diploma Program**

Post Graduate Diploma in Packaging Technology Post Graduate Diploma in Cosmetic Technology

- **Certificate Courses**

CPCT – Certificate Program in Cosmetic Technology
CPPT – Certificate Program in Packaging Technology

- **Doctorate Program**

Ph D Program in Pharmaceutics, Pharmaceutical Analysis, Pharmacognosy, Pharmacology, and Pharmaceutical Chemistry

al Chemistry

Indukaka Ipcowala Institute of Management

- 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 imparts management education through master degree program - MBA. The program has annual intake capacity of 120 seats. The program is approved by All India Council for Technical Education (AICTE). Further, the Institute has also started Degree Program BBA. Ph D Program is offered under the Faculty of Management Studies in allied areas of Management. In brief, the programs offered are:

- **MBA Program**

- **BBA Program**

- **Ph D Program**

P D Patel Institute of Applied Sciences

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. Details of the programs are:

- Bachelor Degree
BSc
- Master degree Programs
M Sc in Biotechnology
M Sc in Biochemistry
M Sc in Microbiology
M Sc in Advanced Organic Chemistry
M Sc in Physics
- PhD Program

Manikaka Topawala Institute of Nursing

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) Program (regular)** and General Nursing and Midwifery (GNM) are offered. **M Sc (Nursing) Programs** are also started with five different specializations. The programs are approved by Indian Nursing Council and Gujarat Nursing Council. 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

To foray into healthcare education, Ashok and Rita Patel Institute of Physiotherapy was established in the year 2009. It offers a four-and-a-half-year

Bachelor of Physiotherapy (B PT) Program.

The program has an annual intake capacity of 75 seats and is also approved by Indian Association of Physiotherapists. The institute also offers Master of Physiotherapy (M.P.T.) programs in five specializations, namely Musculoskeletal Sciences, Neurological Sciences, Cardiopulmonary Sciences, Rehabilitation, Woman's Health, and Pediatric. **Ph D Program** in

Physiotherapy is also offered under the faculty of medical sciences. The institute also has the patronage of US based technocrat Shri Ashok Patel and his wife Smt. Rita Patel.

Bapubhai Desaibhai Patel Institute of Paramedical Sciences (BDIPS)

Established in 2016, Bapubhai Desaibhai Patel Institute of Paramedical Sciences (BDIPS) offers four paramedical courses since in the hi-tech world of modern health care, the need for a team approach in curing illness and sustaining life is essential and it takes people with varying skills and expertise to make up the team. Advanced complex instrumentation and equipment require technocrats not only to operate but also to care and maintain them as well. Paramedical experts have to possess a strong scientific foundation and be able to perform at a much higher level than the traditionally trained technicians of the past. The institute offers BSc and MSc with the specializations given below:

- Bachelor Degree
Bachelor of Science (Medical Imaging Technology)
Bachelor of Science (Medical Laboratory Technology)
Bachelor of Science (Operation Theater & Anesthesia Technology)
Bachelor of Optometry (BOPTM)
- Master degree Programs
Master of Science (Medical Laboratory Technology)
Master of Science (Medical Imaging Technology)
Post Graduate Diploma in Clinical Hypnosis (PGDCH)

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, ICC and CREDP Cell are established.

- **Dr. K. C. Patel Research and Development Centre**

Dr. K C Patel Research and Development Centre were established in January 2007 to carry out R&D work in the emerging areas of science and technology. It undertakes multidisciplinary research along with the 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 near 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 to build a fully functional miniature satellite to encourage the inspiration and expansion in space technology. Management has also allocated an initial fund of Rs. 5 Crore for Student Satellite II project and the development of Space Technology Center.

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

- **International Centre for Cosmology (ICC)**

To become premium research center in the frontier fields of Astrophysics and Cosmology, **International Centre for Cosmology** has been established in July 2018. The Centre strives to work on the continuum of pure to applied theories with the opportunities of innovation spilling over to students of diverse disciplines.

- **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**, Hon'ble Minister of Education, Government of Gujarat. It strives for the development of school education in Charotar region and eventually it will be 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, CREDP 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**

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)**.

- **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 built up area of 1.66lac sq. mtrs.

- **Internet Access**

All staff members and students have free access to Wi-Fi Facility and 1150 mbps Internet connectivity. The facility is made accessible round the clock free of cost.

- **Computer Labs**

The computer labs are equipped with more than 3000+ computers, high end servers and latest softwares to cater varied needs of all the students.

- **Other Labs of Prominence**

The university houses more than 241 state-of-the-art laboratories. Some of noteworthy, high-end laboratories include: Pharmaceutical Processing Equipment Laboratory, Sophisticated Analytical Instrumentation Laboratory, Sophisticated Instrumentation Laboratory, Magnetic Measurement Laboratory, Magnetic Fluid Research Laboratory, Data Centre with Cloud Ready Environment, Environment Engineering Laboratory, Manufacturing Technology Laboratory, Surface Engineering Laboratory, Material Testing and Characterization Laboratory, Virtual (Augmented) Reality Laboratory, Dr. S. M. Patel Research & Characterization Laboratory, and CHARUSAT Sophos Information Security Laboratory. All labs 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.

- **Knowledge Resource Center**
- **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.

Central Library at CHARUSAT is enriched with around 1 Lac books, 309 Print Journals and 13309 E-journals & magazines and educational softwares. 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 Free of Cost. All 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.

- **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 are also put up on the Campus.

- **Hostel and Staff Quarters** There are four girls hostels on the campus and staff quarters with modern facilities.

Governing Body of CHARUSAT

1.	Shri Surendra M Patel	Chairman; (GB & BOM)	President, CHARUSAT
2.	Dr. R V Upadhyay	Member; (GB & BOM)	Provost, CHARUSAT
3.	Shri Naginbhai Patel	Member; (GB & BOM)	President, Matrusanstha
4.	Shri Pankaj R Patel	Member (GB);	Eminent Industrialist
5.	Shri Devang Patel	Member (GB);	Eminent Philanthropist and Businessman
6.	Shri Virendrabhai Patel	Member; (GB)	Trustee, Kelavani Mandal and Treasurer, CHRF
7.	Shri Harishbhai Patel	Member; (GB)	President, Universal Load Banks, USA
8.	Dr. Bimal Patel	Member; (GB)	Vice-Chancellor, Rashtriya Raksha University
9.	Dr. Amit Ganatra	Member; (GB)	Dean, Faculty of Technology & Engineering Nominated by the Provost
10.	Dr. M. I. Patel	Member(GB);	Eminent Educationist, Industrialist and Philanthropist
11.	Shri Hemal Patel	Member(GB);	Expert of Information Technology
12.		Ex-officio Member (GB)	Principal Secretary, , Dept. of Higher & Technical Education, Gujarat State; Ex-officio Member (GB)
13.	Mr. Devang Joshi	Member- Secretary; (GB & BOM)	Registrar, CHARUSAT (ex-officio)

Board of Management of CHARUSAT

1.	Shri Surendra M Patel	Chairman; (GB & BOM)	President, CHARUSAT
2.	Dr. R V Upadhyay	Member; (GB & BOM)	Provost, CHARUSAT
3.	Shri Naginbhai Patel	Member; (GB & BOM)	President, Matrusanstha
4.	Shri Manubhai P Patel	Member; (BOM)	Prominent Industrialist
5.	Shri. H T Patel	Member; (BOM)	Former President, API Business, Zydus Cadila Healthcare Ltd. Nominated by Shri Charotar Moti Sattavis Patidar Kelavani Mandal
6.	Dr. Atul Patel	Member; (BOM)	Dean, Faculty of Computer Applications
7.	Dr. A D Patel	Member; (BOM)	Principal, Chandubhai S Patel Institute of Technology
8.	Shri Nayanbhai Patel	Member; (BOM)	Executive Director, Packam Controls Private Limited & Industrialist of Repute
9.	Mr. Devang Joshi	Member- Secretary; (GB & BOM)	Registrar, CHARUSAT (ex-officio)



CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

NOTIFICATION

It is notified for the information of all concerned that the followings are the members of the Academic council.

The term of office of the members of the Academic Council other than ex-officio members shall be 01/04/2019 to 31/03/2022.

I.	The Provost of the University, (ex-officio) shall be the Chairperson of the Academic Council;	1. Dr. Pankaj Joshi
II.	All Deans of the University (ex-officio);	1. FTE - Dr. Amit Ganatra 2. FAS - Dr. R V Upadhyay 3. FPH - Dr. Manan Raval 4. FMS - Dr. Govind Dave 5. FCA - Dr. Atul Patel 6. FMD- Dr. Bala Ganapathy
III.	Heads of the Centres involved in Academic and Research activities;	1. CSRTC - Dr. S P Kosta 2. KRADLE - <i>Vacant</i> 3. HRDC - Dr. Kamal Chakravarty 4. CREDP - Dr. Sulabh Nataraj 5. IQAC Co-ordinator – Dr. Mayur Sutariya 6. Coordinator, Ph.D Programms- Dr. R M Patel
IV.	One teacher from amongst each of the faculty of the University to be nominated by the Provost;	1. FTE- Dr. Vijay Panchal 2. FAS- Dr. Palas Mandal 3. FPH- Dr. Mrunali Patel 4. FMS- Ms. Kirti Makwana 5. FCA- Dr. Sanskruti Patel 6. FMD- Dr. Prakash V.
V.	Three eminent academicians and three eminent professionals outside the University to be nominated by the Governing Body;	Eminent Academicians TO BE NOMINATED Eminent Professionals TO BE NOMINATED
VI.	One member from the Governing Body to be nominated by the President;	1. Shri Virendrabhai S Patel
VII.	One member from the Board of Management to be nominated by the President;	1. Shri H T Patel
VIII.	Two Advisors to CHARUSAT to be nominated by the President;	1. Mr. A R Patel 2. Prof. H J Jani 3. Dr. B G Patel
IX.	Chairman of all Board of Studies (ex-officio); and	1. Board of Studies in Civil Engineering <i>Refer Sr. No. IV (1)</i> 2. Board of Studies in Mechanical Engineering Dr. Vijay Chaudhari 3. Board of Studies in Electrical Engineering Mr. Nilay Patel 4. Board of Studies in Electronics and Communication Engineering Dr. Trushit Upadhyay



CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

		5. Board of Studies in Computer Engineering <i>Refer Sr. No. II (1)</i> 6. Board of Studies in Information and Technology Dr. Parth Shah 7. Board of Studies in Pharmacy Dr. Samir Patel 8. Board of studies in Chemical Sciences Dr. Abhishek Dadhania 9. Board of studies in Biological Sciences Dr. Gayatri Dave 10. Board of studies in Physical Sciences Dr. C K Sumesh 11. Board of Mathematical Sciences Dr. Arvind Patel 12. Board of studies in Management Studies <i>Refer Sr. No. II (4)</i> 13. Board of studies in Computer Science and Applications Dr. Dhamendra Patel 14. Board of studies in Physiotherapy <i>Refer Sr. No. II (6)</i> 15. Board of studies in Nursing Dr. Anil Sharma 16. Board of studies in Paramedical Science Dr. Darshan Patel
X.	Heads of the Institutes (ex-officio); अमृत तु विद्या CHARUSAT	1. CSPIT- Principal Dr. A D Patel 2. DEPSTAR - Principal - Refer Sr. No. II (1) 3. MTIN- Principal -Refer Sr. No. IX (15) 4. CIPS-Principal - Refer Sr. No. IX (16) 5. CE- Refer Sr. No. II (1) 6. ME- Refer Sr. No. IX (2) 7. CL- Refer Sr. No. IX (1) 8. IT- Refer Sr. No. IX (6) 9. EC- Refer Sr. No. IX (4) 10. EE- Refer Sr. No. IX (3)
XI.	The Provost shall have the right to invite eminent persons to the meeting of Academic Council as per the requirements of University	1. Secretary, Kelavani Mandal - Dr. M C Patel 2. Eminent Person - Prof. Naresh Ved 3. Coo- CHRF – Vacant 4. Eminent Person – Dr. Bipin Mehta
XII.	The Member Secretary	1. Registrar - Shri Devang Joshi

Date: May 27, 2019
 Notification No.: CHA/ADM/AE/19/05/638

Devang Joshi
 Registrar

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY Notification

CHARUSAT has established Research Council with basic goal to inspire, nurture and coordinate the research activities of Charusat. Within this ambit R.C. shall be focusing on:

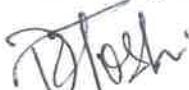
- Ph.D. programmes
- Research activities, project, collaborations and MoUs of Research
- Research Development Projects
- Patent and intellectual properties
- Research paper presentations
- Best research paper award
- Research journal(s) publications of CHARUSAT
- Shri S.S. Bhatnagar awardee's lectures & outcomes
- Endowment chair activities
- Post- doctoral fellowships
- Student research projects
- Research Planning and Monitoring of University
- Any other activities related to research of the university

In view of the mission of CHARUSAT, to become a world class university and purview of RC, the Provost has reconstituted the Research Council (RC) as follows:

1.	Provost, CHARUSAT	Dr. Pankaj Joshi	Chairman
2.	All Deans of the faculties & Head of the R & D centre(s) Principals, PhD Coordinators and IQAC Coordinators	1. Dr. R. V. Upadhyay - Dean, Faculty of App. Sciences 2. Dr. Amit Gantara - Dean, FTE 3. Dr. Govind Dave - Dean, Faculty of Management Studies 4. Dr. Atul Patel - Dean, Faculty of Computer Application 5. Dr. Mayur Sutaria - Co ordinator, IQAC 6. Dr. Manan Raval - I/c Dean, Faculty of Pharmacy Sciences 7. Dr. Balaganapathy - I/c Dean, Faculty of Medical Sciences 8. Dr. Kinnari Parekh - Head, KRADLE 9. Dr. R. M Patel - Professor & Head CPP	Member

3.	Principals & HODs (Engg.) having Ph.D belonging to different faculties and imparting education in Post-Graduate courses/ engaged in Research to be nominated by the Provost	10. Dr. A.D.Patel 11. Dr. A.B.Patel 12. Dr. Anil Sharma 13. Dr. Darshan Patel 14. Please refer no.2 15. Dr. Parth Shah 16. Dr. Kartik Pandya 17. Dr. Vijay Chaudhary 18. Dr. Vijay Panchal 19. Dr. Trushit Upadhyaya - HOD, EC dept., CSPIT 20. Dr. Bhaskar Pandya - Associate Professor,HSS, I ² IM	- Principal, CSPIT -HOD Maths dept., PDPIAS - I/c Principal, MTIN - I/c Principal, CIPS -HOD, CE dept.,CSPIT - HOD, IT dept.,CSPIT -Professor, EE dept.,CSPIT -HOD, Mech dept.,CSPIT -HOD, Civil dept.,CSPIT - Associate Professor,HSS, I ² IM	Member			
4.	Three persons renowned for their specialized knowledge in different subjects to be nominated by the Provost in consultation with the council	The Provost will create a pool of Eminent Scientists of national and international repute and invite them to be an expert member on RC. As per their expertise and experience the relevant scientist(s) from this pool will be invited to attend the RC meetings from time to time depending on the agenda of the concerned RC meeting.					
5.	Recognized Ph.D. teachers belonging to different faculties to be nominated by the Provost	21. Dr.Palash Mandal - Associate Professor, PDPIAS 22. Dr.J.P.Chaudhary - Associate Professor, CSRTC 23. Dr. Rashmin Patel - Associate Professor, RPCP		Member			
6.	Advisor(s) CHARUSAT	Advisors will be invitees to Research Council.					
7.	Registrar, CHARUSAT	Dr. Devang Joshi					
8.	The Faculty members active in research, who have been doing exemplary research and producing interesting results, shall be invited from time to time to the RC meeting, to present their work, to discuss their further plan & projects, and to get their suggestions to rapidly enhance the research at CHARUSAT.						
9.	The RC will meet regularly possibly every two months or more as needed, in order to boost up the research activities at CHARUSAT at the earliest.						

This arrangement shall continue for next three years i.e. January 2019 to January 2022.



Devang Joshi
Registrar

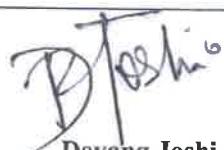
Charotar University of Science and Technology

Notification

This is to notify all concerned that, as per guidelines of NAAC and directive of the Provost, the revised composition of Internal Quality Assurance Cell (IQAC) shall be as under.

Sr. No.	Chair Person: Head of the Institution	
1.	Dr. R.V. Upadhyay	Provost
Teachers to Represent All Level:		
2.	Dr. Amit Ganatra	Dean, Faculty of Technology and Engineering
3.	Dr. A.D. Patel	Principal, Chandubhai S Patel Institute of Technology
4.	Dr. Atul Patel	Dean, Faculty of Computer Applications
5.	Dr. C K Sumesh	Dean, Faculty of Applied Sciences
6.	Dr. Palash Mandal	Principal, P D Patel Institute of Applied Sciences
7.	Dr. Bhaskar Pandya	Principal, Indukaka Ipcowala Institute of Management
8.	Dr. M. Balaganpathy	Principal, Ashok & Rita Patel Institute of Physiotherapy
9.	Dr. Anil Sharma	Principal, Manikaka Topawala Institute of Nursing
10.	Dr. Darshan Patel	Principal, Charotar Institute of Paramedical Sciences
11.	Dr. Manan Raval	Principal, Ramanbhai Patel College of Pharmacy
Few Senior Administrative Officers and Invitees:		
12.	Dr. Y. P. Kosta	Head, CSRTC
13.	Dr. Devang Joshi	Registrar
14.	Advisors	Advisors of CHARUSAT
One Member from Management		
15.	Shri H T Patel	BoM Member
One Nominee each from Local Society, Students and Alumni		
16.	Dr. Mahesh Patel	CEO, Champion Paints (Representative from Society)
17.	Mr. Pranav Patel	Alumni Member
18.	Ms. Samini Singh	Student Member (19DRBI0001)
One Nominee from Employers/ Industrialists/ Stakeholders		
19.	Shri Ashok Patel	A B Industries, Vadodara
20.	Dr. Upendra D. Patel	Professor, Civil Engineering Department, Faculty of Technology and Engineering, MSU, Vadodara
21.	Dr. Anuradha Gajjar	Professor, LMCP, Ahmedabad
One of the Senior Teachers as the Coordinator/Director of the IQAC		
22.	Dr. Mayur Sutaria	Coordinator
23.	Dr. Mrunali Patel	Deputy Coordinator
24.	Dr. Aditi Buch	Deputy Coordinator

Date: November 25, 2021
 Notification No:-CHA/ADM/21/11/1614



Devang Joshi
Registrar

Part 2

Journey Traversed 2021 - 22

Preamble**Annual Report of 2021 – 22**

In order to cater the globally augmented requirement of training and education in the area of Technology and Engineering, Pharmacy, Computer Sciences, Management and Applied Sciences and Medical Sciences, the different institutes namely Chandubhai S Patel Institute of Technology (CSPIT), Devang Patel Institute of Advance Technology and Research (DEPSTAR), Ramanbai Patel College of Pharmacy(RPCP), Chandaben Mohanbai Patel Institute of Computer Applications (CMPICA), Indukaka Ipcowala Institute of Management (I2IM), P D Patel Institute of Applied Sciences (PDPIAS), Ashok and Rita Patel Institute Physiotherapy (ARIP), Manikaka Topawala Institute of Nursing (MTIN), Charotar Institute of Paramedical Sciences (CIPS), have been established – CSPIT, being the first established and DEPSTAR being the latest among them.

Vision:

To become a dynamic global institution in a knowledge driven world through excellence in teaching, research and social contributions

Mission:

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

Teaching – learning Evaluation Admissions

Admissions to undergraduate Programmes are carried out based on rules decided by Government of Gujarat. According to the same, 75% of seats are filled by ACPC and 25% of seats are filled by institute under Management Quota. This year, due to Covid, 50% of the seats fell under Management Quota.

Admissions to Postgraduate Programmes are based on three criteria: Bachelor Degree, GATE Qualification, and PG Entrance Exam conducted by ACPC.

Similarly, admissions to Doctoral Programmes are based on the following criteria:

- a) A Post Graduate (Master's) Degree with at least 55% marks or equivalent CGPA and
- b) Qualified in GATE/CSIR – UGC JRF/NET/SLET/ or equivalent exams of similar level or CHARUSAT Doctoral Entrance Test (CEET).

However, final admission is based on an interview conducted by CHARUSAT Evaluation System

The performance of every student in each course for university examination is evaluated as follows. The internal evaluation by the course faculty member/s as based on continuous assessment, for 30% of the marks for the course.

Final examination of the university through written paper or practical examination or oral examination by the student or combination of any two or more of these, for 70% of the marks of the course.

Faculty/Staff Information – Year 2021 - 22

Regarding Human Resource at CHARUSAT family includes core faculty members, supportive staff and visiting faculty members. Details are:

Faculty	Ph.D	Ph.D (Pursuing)	PG	UG	Total
Faculty of Technology & Engineering	43	78	37		154
Faculty of Pharmacy	27	4			31
Faculty of Computer Applications	19	11	7		37
Faculty of Management Studies	26	6	7		39
Faculty of Applied Sciences	41	7	3		51
Faculty of Medical Sciences	15	39	20	11	77
Total	171	145	74	11	397

Evaluation System

The performance of every student in each course for university examination is evaluated as follows. The internal evaluation by the course faculty member/s as based on continuous assessment, for 30% of the marks for the course.

Final examination of the university through written paper or practical examination or oral examination by the student of combination of any two or more of these, for 70% of the marks of the course.

The Year at a Glance

The year 2021 - 22 has been another eventful year for the University. Charusat University aspires to be a world Class University in future. To this end, it synthesizes the holistic development of the students through quality teaching learning activities and strenuously focusing more on practical or hands on experience through internships and projects than domain specific classroom lectures.

It is indeed an honor for me to present before you major events and activities of the university during the year 2021-2022 at a glance. All events and activities, initiatives and accomplishments of the university are presented to brief the readers about the development at CHARUSAT. Activities other than academic support like research initiatives, consultancy and collaborations and MOUs, activities of social concerns and community welfare and aspirations have also been presented in a nut shell. At CHARUSAT, all initiatives, activities and accomplishments are guided and monitored by the apex bodies of the University - Governing body and Board of Management.

Curricular Aspects - New Programmes

New programs

Human Resource

During the year, 98 new faculty members / staff members have been appointed in various faculties of CHARUSAT. The University takes pride to house some of the best and committed minds in the country as the core faculty members, supportive staff and visiting faculty members.

Research, Consultancy and Collaborations

In the journey towards being a World class university, at CHARUSAT, the area of Research has been taken as one of the founding pillars. It has made significant social contribution through knowledge creation, augmentation and dissemination. To boost the research, a Research and Development Center has also been established on the campus.

In the present year, CHARUSAT has, on hand, 46 ongoing **research projects** of more than Rs. 3.6+ crores from funding agencies such as DST/DBT, GUJCOST, UGC, AICTE, DAE, SERI, CSIR, ABB, DNP Industry, GSBTM and many more projects. During 2021-22, 40 Research Scholars have been conferred the degree of Ph. D. The total number of patents awarded are 11 and total 50 books are published. The details of faculty wise event participation, paper and poster presentation are as given below:

Faculty	Event Participation	Paper Publications/ Poster Presentation
Faculty of Technology and Engineering	449	101
Faculty of Pharmacy	62	47
Faculty of Computer Applications	58	08
Faculty of Management Studies	90	09
Faculty of Applied Sciences	113	64
Faculty of Medical Sciences	68	21
Total	840	250

Infrastructure, Learning and Research Facilities

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 1150 mbps round the clock internet connectivity. There are more than 2300 PCs, high-end servers, and latest soft-wares, with more than 241 laboratories. The Central Library is enriched with around 102035+ Lac books, 242 Print Journals and 18200 E-journals & magazines and educational databases. Present development at CHARUSAT has capital outlay of Rs.1500 million.

In order to cope up with the global requirements, all the institutes of CHARUSAT provide the latest facilities for students such as Multi-Media (MM) class rooms (Higher Semesters), Networking of classrooms, with electronic database, MM theatres for conference, well equipped laboratories, to conduct experimental works, well ventilated lecture hall, state of art computer laboratory with latest configuration for giving practical exposure, and there always is special provision of a seminar hall and reading room.

Every year new facilities are created and old ones are maintained regularly. All the labs are well equipped with necessary facilities. The Advanced Power Electronics Lab of the Electronics Engineering Department (CSPIT) was equipped with FACTS controller with STATCOM, SSSC and UPFC operation PQ and Energy Analyser (Fluke) Microcontroller based three phase Induction motor drive HCDV Trainer with 6 pulse converter Dynamic Voltage restorer (DVR), three phase diode clamp and Multilevel Inverter MPPT Boost converter for Solar PV in 2019-20. The Material Testing Laboratory, Surface engineering Laboratory and Material Testing Laboratory of the Department of Mechanical Engineering was equipped with Carl Zeiss Triangular Metallurgical Inverted Microscope for Filed and Dark Field and the Sample Preparation Polishing Machine respectively. A Basic Hydraulic and Pneumatic Training Kit was installed at the FESTO Centre of Excellence in the Department. A hydroclimatology research lab was established in the Department of Civil Engineering. The Department of Electronics and Communication Engineering also equipped Analog to Digital Trainer Kit, AVR ISP Programmer, ATMEGA 32 DIP IC, Waxwing Spartan 6 FPGA Development Board, Beagle bone development board, Raspi and accessories, ST Microelectronics - NUCLEO F&G7ZI ARM Board, Flipflop Trainer Kit, Shift Register Trainer Kit, Counter Trainer kit, Power supply in its Embedded Labs, VLSI and EDC labs. All the electronic components were improvised to ensure better output. DEPSTAR established Zspace all in one system in its Virtual reality lab. Further, Router, switch, firewall was installed in the Sophos Lab. Mac PCs were installed in the Mobile application development lab. microcontrollers, sensors, actuators, RFID and communication modules were installed in IOT lab and updated its microcontrollers, sensors, actuators, RFID and communication modules.

The Department of Computer Applications (CMPICA) installed an Auditorium projector in its Research Lab and E-Yantra Laboratory (In Coordination with IIT, Bombay) was also established in the Lab.

The faculty of Pharmacy (RPCP) established Fume Hoods in its Pharmaceutical Chemistry Lab and Biosafety cabinet in the Microbiology lab

The Faculty of Applied Sciences (PDPIAS) established iBright Imaging system FL 1000 (Chemidoc), Electrochemical Workstation (ECW), Bioreactor in its Bhartiben and PR Patel Biological Research Laboratory.

The Faculty of Paramedical Sciences (CIPS) updated its infrastructure through installation of Dry immunochemistry / TOSOH in the Immunology section. Digital slit lamp, Topographer and Auto refracto-keratometer was established in Contact lens / Dispensing lab.

Endowment Chairs

CHARUSAT has an ambitious vision of becoming a Global University. Some of the means adopted by CHARUSAT for the same are:

- Development of its Teachers
- Attracting World Class Faculty
- Fostering Research and innovation
- Imbibing constant innovations in pedagogy
- Benchmarking with best practices of the world
- Networking with exemplary faculty/institute

It's with these aspirations, CHARUSAT has initiated establishment of 12 numbers of Endowment Chair(s). Interest accrued from the endowment fund is used in carrying out academic enriching activities and to promote research and innovation at CHARUSAT.

Result Statistics

CHANDUBHAI S PATEL OF INSTITUTE OF TECHNOLOGY				
Programme Details	No. of Students Appeared	CGPA 7.50	CGPA Above 6.0 But Below 7.50	CGPA Above 5.0 But Below 6.0
Department of Civil Engineering				
B Tech (CL) Sem-1	27	20	2	0
B Tech (CL) Sem-2	27	10	0	0
B Tech (CL) Sem-3	32	28	4	0
B Tech (CL) Sem-4	10	0	0	0
B Tech (CL) Sem-5	78	73	5	0
B Tech (CL) Sem-6	17	0	0	0
B Tech (CL) Sem-7	104	84	19	0
B Tech (CL) Sem-8	104	85	18	1
Department of Computer Engineering				
B Tech (CE) Sem-1	151	151	0	0
B Tech (CE) Sem-2	2	0	0	0
B Tech (CE) Sem-3	178	175	2	0
B Tech (CE) Sem-4	9	0	0	0
B Tech (CE) Sem-5	2	0	0	0
B Tech (CE) Sem-6	4	0	0	0
B Tech (CE) Sem-7	166	159	6	1
B Tech (CE) Sem-8	140	115	12	1
Department of Information Technology				
B Tech (IT) Sem-1	173	168	3	0
B Tech (IT) Sem-2	172	162	0	0
B Tech (IT) Sem-3	178	176	1	0
B Tech (IT) Sem-4	178	164	9	0
B Tech (IT) Sem-5	156	144	11	0
B Tech (IT) Sem-6	156	134	6	0
B Tech (IT) Sem-7	156	139	16	1
B Tech (IT) Sem-8	156	143	13	0

Department of Electronics and Communication				
B Tech (EC) Sem-1	82	77	2	0
B Tech (EC) Sem-2	79	54	9	0
B Tech (EC) Sem-3	83	81	1	0
B Tech (EC) Sem-4	83	76	2	0
B Tech (EC) Sem-5	78	77	1	0
B Tech (EC) Sem-6	78	64	1	0
B Tech (EC) Sem-7	104	95	7	0
B Tech (EC) Sem-8	103	97	1	1
B Tech (CS) Sem-1	72	71	0	0
B Tech (CS) Sem-2	70	65	0	0
M Tech (AMT) Sem-1	3	3	0	0
M Tech (AMT) Sem-2	3	3	0	0
M Tech (AMT) Sem-3	9	6	3	0
M Tech (AMT) Sem-4	9	8	1	0
M Tech (CE) Sem-1	10	5	5	0
M Tech (CE) Sem-2	10	7	3	0
M Tech (CL) Sem-1	5	3	1	1
M Tech (CL) Sem-2	5	3	1	0
M Tech (CL) Sem-3	11	9	2	0
M Tech (CL) Sem-4	11	11	0	0
M Tech (EE) Sem-1	1	1	0	0
M Tech (EE) Sem-2	1	1	0	0
M Tech (EE) Sem-3	3	3	0	0
M Tech (EE) Sem-4	1	1	0	0
	.			
M Tech (EVD) Sem-1	1	1	0	0
M Tech (EVD) Sem-2	1	1	0	0

M Tech (EVD) Sem-3	6	6	0	0
M Tech (TE) Sem-1	4	4	0	0
M Tech (TE) Sem-2	4	4	0	0
M Tech (TE) Sem-3	1	1	0	0
M Tech (TE) Sem-4	1	1	0	0
PGDCS Sem 1	7	0	3	0
PGDCS Sem 2	6	3	2	1

Department of Electrical Engineering				
B Tech (EE) Sem-1	23	21	1	0
B Tech (EE) Sem-2	22	14	1	0
B Tech (EE) Sem-3	24	9	13	2
B Tech (EE) Sem-4	24	6	10	0
B Tech (EE) Sem-5	32	21	10	1
B Tech (EE) Sem-6	32	12	2	0
B Tech (EE) Sem-7	52	23	22	7
B Tech (EE) Sem-8	52	24	23	3
Department of Mechanical Engineering				
B Tech (ME) Sem-1	50	37	8	1
B Tech (ME) Sem-2	45	14	8	0
B Tech (ME) Sem-3	60	51	8	0
B Tech (ME) Sem-4	59	26	8	0
B Tech (ME) Sem-5	114	100	13	1
B Tech (ME) Sem-6	114	67	6	0
B Tech (ME) Sem-7	127	81	31	4
B Tech (ME) Sem-8	122	91	26	3
DEVANG PATEL INSTITUTE OF ADVANCED TECHNOLOGY AND RESEARCH				
Department of Computer Engineering				
B Tech (CE) Sem-1	151	149	0	0
B Tech (CE) Sem-2	151	145	3	0
B Tech (CE) Sem-3	178	175	2	0
B Tech (CE) Sem-4	178	162	5	0
B Tech (CE) Sem-5	178	169	7	0
B Tech (CE) Sem-6	178	163	11	0
B Tech (CE) Sem-7	166	159	6	1
B Tech (CE) Sem-8	166	160	5	1
Department of Information Technology				
B Tech (IT) Sem-1	100	100	0	0
B Tech (IT) Sem-2	100	94	2	0
B Tech (IT) Sem-3	114	111	2	0

B Tech (IT) Sem-4	112	102	7	0
B Tech (IT) Sem-5	91	87	4	0
B Tech (IT) Sem-6	91	87	3	0
B Tech (IT) Sem-7	82	80	2	0
B Tech (IT) Sem-8	82	80	2	0

Department of Computer Science Engineering

B Tech (CS) Sem-1	134	132	1	1
B Tech (CS) Sem-2	134	124	0	0
B Tech (CS) Sem-3	167	165	2	0
B Tech (CS) Sem-4	166	161	2	0
B Tech (CS) Sem-5	178	177	1	0
B Tech (CS) Sem-6	178	158	0	0
B Tech (CS) Sem-7	156	153	2	1
B Tech (CS) Sem-8	156	153	3	0

RAMANBHAI PATEL COLLEGE OF PHARMACY

B.Pharm-sem-1	112	27	70	0
B. Pharm-sem-2	108	25	62	0
B. Pharm-sem-3	105	48	50	0
B. Pharm-sem-4	105	38	58	0
B. Pharm-sem-5	98	45	46	0
B. Pharm-sem-6	98	40	44	0
B. Pharm-sem-7	104	51	52	0
B. Pharm-sem-8	104	52	52	0

CHANDABEN MOHANBHAI PATEL INSTITUTE OF COMPUTER APPLICATION				
B.sc-(IT)sem-1	158	66	44	24
B.sc-(IT)sem-2	142	52	46	19
B.sc-(IT)sem-3	135	103	26	3
B.sc-(IT)sem-4	132	99	27	3
B.sc-(IT)sem-5	112	67	29	9
B.sc-(IT)sem-6	112	70	27	9
BCA-sem-1	303	143	103	21
BCA-sem-2	295	102	88	31
BCA-sem-3	215	115	52	8
BCA-sem-4	210	124	53	3
BCA-sem-5	172	100	55	14
BCA-sem-6	172	104	55	12
M.sc-IT-sem-1	46	35	6	3
M.sc-IT-sem-2	45	33	9	0
M.sc-IT-sem-3	31	25	5	0
M.sc-IT-sem-4	31	27	4	0
MCA-sem-1	31	27	1	0
MCAL-sem-1	143	102	31	6
MCAL-sem-2	139	98	27	9
MCAL-sem-3	109	90	18	0
MCAL-sem-4	109	91	18	0
INDUKAKA IPCOWALA INSTITUTE OF MANAGEMENT				
BBA-sem-1	276	208	46	6
BBA-sem-2	266	124	92	9
BBA-sem-3	201	72	93	24
BBA-sem-4	198	72	77	21

BBA-sem-5	124	26	67	29
BBA-sem-6	124	38	64	21
MBA-Sem-1	139	137	2	0
MBA-Sem-2	137	54	56	0
MBA-Sem-3	89	73	11	2
MBA-Sem-4	160	37	53	29

P D PATEL INSTITUTE OF APPLIED SCIENCES

B.sc-sem-1	151	97	33	1
B.sc-sem-2	142	94	33	3
B.sc-sem-3	117	77	11	0
B.sc-sem-4	116	78	24	0
B.sc-sem-5	115	58	43	3
B.sc-sem-6	115	63	34	5
M.sc-AOC-sem-1	51	17	19	7
M.sc-AOC-sem-2	43	16	23	1
M.sc-AOC-sem-3	54	23	24	0
M.sc-AOC-sem-4	53	31	22	0
M.sc-BC-sem-1	16	3	8	2
M.sc-BC-sem-2	15	3	9	1
M.sc-BC-sem-3	19	3	8	2
M.sc-BC-sem-4	19	5	10	3
M.sc-MI-sem-1	39	7	9	15
M.sc-MI-sem-2	38	6	17	11
M.sc-MI-sem-3	44	9	10	2
M.sc-MI-sem-4	43	12	29	2
M.sc-MTH-sem-1	10	7	1	1
M.sc-MTH-Sem-2	10	3	2	2

M.sc-PHY-sem-1	43	14	12	4
M.sc- PHY -sem-2	37	11	7	4
M.sc- PHY -sem-3	37	12	10	4
M.sc- PHY -sem-4	37	16	16	3
M.sc-BT-sem-1	38	4	11	8
M.sc- BT -sem-2	36	6	15	13
M.sc- BT -sem-3	23	5	10	5
M.sc- BT -sem-4	23	9	10	4

ASHOK AND RITA PATEL INSTITUTE OF PHYSIOTHERAPY

BPT-sem-1	75	10	14	13
BPT-sem-2	66	16	14	12
BPT-sem-3	44	22	13	0
BPT-sem-4	42	23	15	2
BPT-sem-5	56	11	32	3
BPT-sem-6	56	10	30	4
BPT-sem-7	77	12	43	17
BPT-sem-8	76	11	46	16
MPT(CS)sem-1	5	1	4	0
MPT(CS)sem-2	5	2	3	0
MPT(CS)sem-3	4	3	1	0
MPT(CS)sem-4	4	3	1	0
MPT(MS)sem-1	7	4	3	0
MPT(MS)sem-2	7	4	3	0
MPT(MS)sem-3	7	4	3	0
MPT(MS)sem-4	7	7	0	0
MPT(NS)sem-1	7	0	6	1
MPT(NS)sem-2	7	0	5	2

MPT(NS)sem-3	7	5	2	0
MPT(NS)sem-4	7	7	0	0
MPT(PA)sem-1	2	0	1	0
MPT(PA)sem-2	2	0	1	1
MPT(PA)sem-3	3	2	0	1
MPT(PA)sem-4	3	1	1	1
MPT(RE)sem-1	4	1	3	0
MPT(RE)sem-2	4	0	4	0
MPT(RE)sem-3	4	1	3	0
MPT(RE)sem-4	4	2	2	0

MANIKAKA TOPAWALA INSTITUTE OF NURSING

Bsc-Nursing-Sem-1	58	13	14	14
Bsc-Nursing-Sem-2	57	14	22	9
Bsc-Nursing-Sem-3	50	33	11	0
Bsc-Nursing-Sem-4	50	32	16	1
Bsc-Nursing-Sem-5	58	7	10	1
Bsc-Nursing-Sem-6	58	48	9	1
Bsc-Nursing-Sem-7	58	39	19	0
Bsc-Nursing-Sem-8	58	37	21	0
MNCH-Sem-1	3	0	3	0
MNCH-Sem-2	2	0	1	0
MNCH-Sem-3	3	3	0	0
MNCH-Sem-4	3	3	0	0
MNMS-Sem-1	2	2	0	0
MNMS-Sem-2	2	2	0	0
MNMS-Sem-3	3	3	0	0
MNMS-Sem-4	3	3	0	0

MNOG-Sem-1	2	2	0	0
MNOG-Sem-2	2	2	0	0
MNOG-Sem-3	4	3	1	0
MNOG-Sem-4	4	3	1	0
MNPN-Sem-1	1	1	0	0
MNPN-Sem-2	1	1	0	0
MNPN-Sem-3	4	4	0	0
MNPN-Sem-4	4	4	0	0

BAPUBHAI DESAIBHAI PATEL INSTITUTE OF PARAMEDICAL SCIENCES

BMIT-sem-1	13	7	5	1
BMIT-sem-2	12	5	2	0
BMIT-sem-3	14	5	3	0
BMIT-sem-4	14	5	4	1
BMIT-sem-5	23	11	3	0
BMIT-sem-6	23	10	6	0
BMIT-sem-7	21	10	11	0
BMIT-sem-8	21	12	9	0
BOP-sem-1	12	3	1	1
BOP-sem-2	11	3	2	2
BOP-sem-3	5	2	2	1
BOP-sem-4	5	1	3	1
BOP-sem-5	12	7	1	1
BOP-sem-6	11	7	0	2
BOP-sem-7	8	2	2	2
BOP-sem-8	7	2	3	2
BOTAT-sem-1	23	4	5	1
BOTAT-sem-2	18	3	2	1
BOTAT-sem-3	27	8	6	1
BOTAT-sem-4	27	8	5	2

BOTAT-sem-5	22	5	2	3
BOTAT-sem-6	21	4	3	6
BOTAT-sem-7	19	8	5	2
BOTAT-sem-8	19	10	4	3
BSMT-Sem-1	19	6	4	2
BSMT-Sem-2	15	7	4	0
BSMT-Sem-3	32	6	11	4
BSMT-Sem-4	30	7	10	5
BSMT-Sem-5	19	6	8	1
BSMT-Sem-6	19	8	6	2
BSMT-Sem-7	9	3	1	5
BSMT-Sem-8	9	3	4	2
MSMLT-sem-1	32	5	10	9
MSMLT-sem-2	31	10	7	4
MSMLT-sem-3	19	10	8	0
MSMLT-sem-4	18	8	10	0
MSC MIT-Sem-1	5	3	2	0
MSC MIT-Sem-2	5	3	2	0
MSC MIT-Sem-3	6	4	1	0
MSC MIT-Sem-4	6	4	0	2
DRMLT- Sem-1	19	6	4	2
DROATAT - Sem 1	19	6	4	2
PGDCH – Sem 1	26	23	2	0
PGDCH – Sem 2	21	13	6	1
PGDHAT – Sem 1	21	13	6	1
PGDHAT – Sem 2	21	13	6	1

PGDMLT – Sem 1	15	11	4	0
PGDMLT – Sem 2	15	8	7	0

Gold Medallists

Sr. No	Name of Programme	Student Id	Student Name	CGPA	Name of Gold Medals	Certificate No.
A- Faculty Level Gold Medal						
1	Faculty of Technology and Engineering (M. Tech)	19PGEVD007	PATIL SIDDHARTH RAVINDRABHAI	9.85	LATE HASUBHAI P PATEL GOLD MEDAL	C11/21/GM/001
2	Faculty of Technology and Engineering (B.Tech)	17IT098	RUPAVATIA ARJUN HARSUKHBHAI	9.92	VIRCHANDBHAI RAMDAS PATEL - MAHUDHA - GOLD MEDAL	C11/21/GM/002
3	Faculty of Sciences (Msc)	19PHY018	TAHELYANI DIVYABEN HARISHKUMAR	9.74	SHRI P D PATEL GOLD MEDAL	C11/21/GM/003
4	Faculty of Pharmacy (M.Pharm)	19MPHTCH004	PANDYA VIDHI SAURABH	8.39	SHRI RAMANBHAI B PATEL GOLD MEDAL	C11/21/GM/004
5	Faculty of Medical Sciences (PG)	19MNMS002	RANA SWIZEL SOBER	9.62	CHARUSAT GOLD MEDAL	C11/21/GM/005
6	Faculty of Medical Sciences (UG)	17BMIT023	PATEL POOJA SNEHAL	9.58	SMT. ANILABEN (BENABEN) NAVNITBHAI PATEL (AJARPURA/ANAND) GOLD MEDAL	C11/21/GM/006
7	M.Tech (CL)	19PGCL009	RAKHOLIYA MOHIT VITHTHALBHAI	9.69	MANUBHAI SHIVABHAI PATEL GOLD MEDAL	C11/21/GM/007
8	M.Tech (AMT)	19PGAMT007	TRIVEDI ANAND KAMLESHBHAI	9.70	DR. A D PATEL (BAKROL) GOLD MEDAL	C11/21/GM/008
9	B. Tech (ME)	D18ME119	SHAH MEET MINESHKUMAR	9.64	CHAMOS MATRUSANSTA GOLD MEDAL	C11/21/GM/009
10	B. Tech (EC)	17EC062	PATEL SAGAR BHAVESHKUMAR	9.83	LATE CHANCHALBEN S PATEL (KHANDHALI/UK) GOLD MEDAL	C11/21/GM/010
11	B. Tech (CL)	17CL022	JARIWALA ISHAN PARESH	9.83	SHRI RAJENDRA B ENGINEER GOLD MEDAL	C11/21/GM/011



12	B. Tech (EE)	17EE003	BACHANI ANJALI KHEMCHANDRAY	9.60	RAMABEN M PATEL GOLD MEDAL	C11/21/GM/012
13	B. Tech (IT)	17IT098	RUPAVATIA ARJUN HARSUKHBHAI	9.92	SMT. SUMITRABEN C. PATEL GOLD MEDAL	C11/21/GM/013
14	B. Tech (CE)	17CE025	DESAI JAY JAGDEVBHAI	9.91	SMT. SUMITRABEN C. PATEL GOLD MEDAL	C11/21/GM/014
15	B.Tech (CE) (DEPSTAR)	17DCE034	PARMAR HIRENKUMAR KANAKBHAI	9.67	SHRI MAULIN GIRISHBHAI VYAS GOLD MEDAL	C11/21/GM/015
16	B.Tech (IT) (DEPSTAR)	17DIT019	KHAN IMRAN RAISHKHAN	9.75	SHRI KRUNAL NILESHBHAI PATEL GOLD MEDAL	C11/21/GM/016
17	B.Tech (CS) (DEPSTAR)	17DCS030	MEHTA KUSHAN TUSHAR	9.90	SHRI MOHIT HARSADBHAI DAVE GOLD MEDAL	C11/21/GM/017
18	BCA	18BCA108	SONI SHREY PRAKASH	9.70	LATE JAYABEN R .V. PATEL MAHUDHA/V.V.NAGAR GOLD MEDAL	C11/21/GM/018
19	BSC(IT)	18BSIT045	PATEL AKSHAR ASHISHBHAI	9.81	LILABEN RAMANBHAI PATEL (CHAKLASI) GOLD MEDAL	C11/21/GM/019
20	M. Sc (IT)	19MSIT009	JHA PRATIK MANOJKUMAR	9.84	SMT. HARSHABEN NAGINBHAI PATEL GOLD MEDAL	C11/21/GM/020
21	MCAL	19MCAL077	SINGH SAURABH UTTAM	9.93	SMT. CHANDABEN MOHANBHAI PATEL GOLD MEDAL	C11/21/GM/021
22	B. Pharm	17BPH078	PATEL URMITKUMAR RAJESHBHAI	8.97	SHRI RAMANBHAI B PATEL GOLD MEDAL	C11/21/GM/022
23	M. Pharm (QA)	19MPHPQA009	SHAH HARDI VIRALKUMAR	8.27	SHRI RAMANBHAI B PATEL GOLD MEDAL	C11/21/GM/023
24	M. Pharm (TCH)	19MPHTCH004	PANDYA VIDHI SAURABH	8.39	SHRI RAMANBHAI B PATEL GOLD MEDAL	C11/21/GM/024
25	B. Sc	18BSC062	PATEL DHRUVI MANISH	9.69	KAMLABEN RATILAL AMIN, VASO GOLD MEDAL	C11/21/GM/025
26	B. Sc (Physics)	18BSCP006	KSHATRIYA CHIRAG DHARAMPRAKASH	9.39	CHARUSAT GOLD MEDAL	C11/21/GM/026
27	M. Sc (AOC)	19AOC032	VAISHNAVI AJAY SAIKHEDKAR	9.65	RATILAL LALJIBHAI AMIN, VASO GOLD MEDAL	C11/21/GM/027
28	M. Sc (BT)	19BT016	NAIR ANJALI OMANAKUTTAN PILLAI	9.14	DR. B. H. PATEL GOLD MEDAL	C11/21/GM/028

29	M. Sc (Phy.)	19PHY018	TAHELYANI DIVYABEN HARISHKUMAR	9.74	ATULBHAI JETHABHAI PATEL (VADTAL/USA) GOLD MEDAL	C11/21/GM/029
30	M. Sc (BC)	19BC003	GODHASARA MANSI MAHESHBHAI	8.29	CHARUSAT GOLD MEDAL	C11/21/GM/030
31	M. Sc (MI)	19MI053	SINGH SUBODHKUMAR DHANANJAYKUMAR	8.29	CHARUSAT- DR. V G PATEL GOLD MEDAL	C11/21/GM/031
32	BBA	18BBA069	PATEL SHAILUBEN PINAKINBHAI	9.68	ANITABEN DEVANGBHAI PATEL IPCOWALA GOLD MEDAL	C11/21/GM/032
33	BBA(Female)	18BBA069	PATEL SHAILUBEN PINAKINBHAI	9.68	ANITABEN DEVANGBHAI PATEL IPCOWALA GOLD MEDAL	C11/21/GM/033
34	MBA(Female)	19MBA027	KIRANBEN BHAGWANDAS KEVLANI	9.27	SANGITABEN V PATEL GOLD MEDAL	C11/21/GM/034
35	MBA	19MBA027	KIRANBEN BHAGWANDAS KEVLANI	9.27	SHRI DEVANG PATEL (IPCOWALA) GOLD MEDAL	C11/21/GM/035
36	MPT(MS)	19MPTMS102	M RAMYA SAKTHI	8.70	CHUNIBHAI HATHIBHAI PATEL GOLD MEDAL	C11/21/GM/036
37	BSC(Nursing)	17BN013	PAREKH KRUSHALIBEN PINKESHBHAI	9.36	LATE HASUBHAI P PATEL GOLD MEDAL	C11/21/GM/037
38	BPT	16BPT064	PATEL SHIVANIBEN NITINBHAI	9.26	SMT. CHANCHALBEN CHUNIBHAI PATEL GOLD MEDAL	C11/21/GM/038
39	BSMLT	18BSMT019	SHAH HIMISA MILANKUMAR	9.06	MALTIBEN C PATEL GOLD MEDAL	C11/21/GM/039
40	BMIT	17BMIT023	PATEL POOJA SNEHAL	9.58	YASHODHRABEN VISHNUBHAI PATEL (MAHELAV/USA) GOLD MEDAL	C11/21/GM/040
41	BOTAT	17BOTAT026	PATEL RIDHAM VIPINCHANDRA	9.02	KASHIBEN AMBALAL PATEL (MALATAJ/ RATLAM) GOLD MEDAL	C11/21/GM/041

Research, Consultancy and Extension

- **Research Projects**

Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

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	Funds provided (INR in lakhs)	Duration of the project
Experimental Simulation of Lightning and Development of Lightning detection Antenna for Future Planetary Missions	Dr. Trushit Upadhyaya (PI), Dr. Killol Pandya, Dr. Upesh Patel	Indian Space Research Organization (ISRO)	Government	Faculty of Technology and Engineering	43.31	2 Years
Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Pharmacy	0	3 years
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	0	3 years
Augmented Reality based e Commerce App	Dr. Pranav Desai	Student Startup and Innovation Policy (SSIP)	Government	Faculty of Management Studies	2	3 Years
Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Management Studies	0	3 years
Optical and spectroscopic investigation of tunable size PbS nanocrystals embedded in	Dr Vaibhav Patel	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.26	1 Year

insulating polymer nanofibers						
Developing ultrafast, large area and flexible broadband photodetectors based on metal doped SnX (X = S, Se, Te) 2D Nano-heterostructures	Dr. C K Sumesh	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.26	1 Year
Surface Active Ionic Liquids with Aromatic Counter Ions: Synthesis, Characterization and its Applications	Dr. Sanjaykumar Panjabi	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.28	1 Year
Development of one-time and multi-standard colour chart for detecting total Uranium in drinking water using digital camera approach	Dr. Kamesh Bhaskaran	UGC-DAE, New Delhi	Government	Faculty of Sciences	0.45	1 Year
Natural Antioxidant Phycobiliproteins from Cyanobacteria: A Therapeutic Perspective submitted under GUJCOST STI Policy.	Prof. Datta Madamwar (PI)/ Dr Seema Amin (Co-PI)	Gujarat Council on Science & Technology (GUJCOST), Gandhinagar.	Government	Faculty of Sciences	15.9	3 Years
Network program on antimicrobial resistance, superbugs, and one health	Prof. Datta Madamwar (PI)	GSBTM	Government	Faculty of Sciences	10.25	3 Years
Monodispersed Temperature sensitive Magnetic Fluid: Synthesis Characterization and Effect on	Dr. Kinnari Parekh (PI)/ Dr. Neeraj Jain (Co-PI)	SERB-DST, New Delhi	Government	Faculty of Sciences	52	3 Years



Cancer Spheroids						
Lessons from Nature: Fixation of Atmospheric CO ₂ by Reversing the Manganese Containing Oxalate Oxidase Enzymatic Pathway	Dr. Atanu Banerjee (PI)	CSIR, New Delhi	Government	Faculty of Sciences	3.51	3 Years
To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Dr. Neeraj Jain (PI)/ Dr. Kinnari Parekh (Co-PI)	Indian Council of Medical Research (ICMR), New Delhi	Government	Faculty of Sciences	14.28	3 Years
Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Sciences	0	3 years
Development and effectiveness of mobile health application based postnatal education programme on parental outcomes	Dr. Sapna Patel	Trained Nurses Association of India	Government	Faculty of Medical Sciences	0.25	2 Years
Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Medical Sciences	0	3 years
Design and development of X-band prime focal reflectarray antenna	Dr. Amit Patel	SAC-ISRO	Government	Faculty of Technology and Engineering	26.24	2 Year

Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Technology and Engineering	0	3 years
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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 during the year (INR in Lakhs)

Institute/Department	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	Funds provided (INR in lakhs)	Duration of the project
CSPIT	ME	1 Rajendra B Patel Endowment Chair (Mechanical Engineering Department)	NA	Individual - Rajendra B Patel	Non-Government	Faculty of Technology and Engineering	3.06	NA
CMPICA	2	M.I.Patel - MCA Endowment Chair Interest	NA	Individual - M.I.Patel	Non-Government	Faculty of Computer Science and Applications	1.16	NA
	3	M.I.Patel - MScIT Endowment Chair Interest	NA	Individual - M.I.Patel	Non-Government	Faculty of Computer Science and Applications	1.16	NA

Number of research projects per teacher funded by government and non-government agencies during the year

Institute/Department	Name of the Scheme/Project/Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (ifapplicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Funds provided (INR in lakhs)	Duration of the project
CSPIT	M E	Rajendra B Patel Endowment Chair (Mechanical Engineering Department)	NA	Individual - Rajendra B Patel	Non-Government	Faculty of Technology and Engineering	3.06
	E C	Experimental Simulation of Lightning and Development of Lightning detection Antenna for Future Planetary Missions	Dr. Trushit Upadhyaya (PI), Dr. Killol Pandya, Dr. Upesh Patel	Indian Space Research Organization (ISRO)	Government	Faculty of Technology and Engineering	43.31
RPCP	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Pharmacy	0	3 years
CMPICA	M.I.Patel - MCA Endowment Chair Interest	NA	Individual - M.I.Patel	Non-Government	Faculty of Computer Science and Applications	1.16	NA
	M.I.Patel - MSc IT Endowment Chair Interest	NA	Individual - M.I.Patel	Non-Government	Faculty of Computer Science and Applications	1.16	NA
	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	0	3 years
IIIM	Augmented Reality based e Commerce App	Dr. PranavDesai	Student Startup and Innovation Policy (SSIP)	Government	Faculty of Management Studies	2	3 Years
	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research	Government	Faculty of Management Studies	0	3 years

			(DSIR), New Delhi				
PDPIAS	Optical and spectroscopic investigation of tunable size PbS nanocrystals embedded in insulating polymer nanofibers	Dr Vaibhav Patel	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.26	1 Year
	Developing ultrafast, large area and flexible broadband photodetectors based on metal doped SnX (X = S, Se, Te) 2D Nano-heterostructures	Dr. C K Sumesh	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.26	1 Year
	Surface Active Ionic Liquids with Aromatic Counter Ions: Synthesis, Characterization and its Applications	Dr. Sanjaykumar Panjabi	UGC-DAE, New Delhi	Government	Faculty of Sciences	2.28	1 Year
	Development of one-time and multi-standard colour chart for detecting total Uranium in drinking water using digital camera approach	Dr. Kamesh Baskaran	UGC-DAE, New Delhi	Government	Faculty of Sciences	0.45	1 Year
	Natural Antioxidant Phycobiliproteins from Cyanobacteria: A Therapeutic Perspective submitted under GUJCOST STI Policy.	Prof. Datta Madamwar (PI)/ Dr Seema Amin (Co-PI)	Gujarat Council on Science & Technology (GUJCOST), Gandhinagar.	Government	Faculty of Sciences	15.9	3 Years
	Network program on antimicrobial resistance, superbugs, and one health	Prof. Datta Madamwar (PI)	GSBTM	Government	Faculty of Sciences	10.25	3 Years
	Monodispersed Temperature sensitive Magnetic Fluid: Synthesis Characterization and Effect on Cancer Spheroids	Dr. Kinnari Parekh (PI)/ Dr. Neeraj Jain (Co-PI)	SERB-DST, New Delhi	Government	Faculty of Sciences	52	3 Years

	Lessons from Nature: Fixation of Atmospheric CO ₂ by Reversing the Manganese Containing Oxalate Oxidase Enzymatic Pathway	Dr. Atanu Banerjee (PI)	CSIR, New Delhi	Government	Faculty of Sciences	3.51	3 Years
	To evaluate the in-vitro hyperthermic effects of magnetic fluid on cancer cells	Dr. Neeraj Jain (PI)/ Dr. Kinnari Parekh (Co-PI)	Indian Council of Medical Research (ICMR), New Delhi	Government	Faculty of Sciences	14.28	3 Years
	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Sciences	0	3 years
MTIN	Development and effectiveness of mobile health application based postnatal education programme on parental outcomes	Dr. Sapna Patel	Trained Nurses Association of India	Government	Faculty of Medical Sciences	0.25	2 Years
	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Medical Sciences	0	3 years
CSRTC	Design and development of X-band prime focal reflectarray antenna	Dr. Amit Patel	SAC-ISRO	Government	Faculty of Technology and Engineering	26.24	2 Year
	Recognition of Scientific and Industrial Research Organisations (SIROs)	NA	The Department of Scientific and Industrial Research (DSIR), New Delhi	Government	Faculty of Technology and Engineering	0	3 years

Patents:

In the year 2022, the faculties and the students have been awarded total 11 patents, the details of which are as given below:

Institute / Department	Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent
CSPIT	Mr. Brijeshkumar Y Panchal, Ms. Arkesha D Shah	202211010081 A	REMOTE CONTROLLED GUEST MESSENGER SYSTEM USING GSM & RASPBERRY PI BASED ON IOT	2022
	Charotar University of Science and Technology	202021041343 A	DEVICE FOR WEIGHT DISTRIBUTION ANALYSIS	2022
DEPSTAR	Mr. Jayswal Hardikkumar Sudhirbhai	202231012799	A SYSTEM FOR OBFUSCATION OF QUERIES AND RESPONSES IN A SECURITY DATA SEARCH SYSTEM	2022
	Prof. Chintal Upendra Raval	202211008035	ARTIFICIAL INTELLIGENCE BASED DECISION MAKING INTELLIGENT HUMANOID ROBOT	2022
	Dr. Amit Pravinchandra Ganatra	202221008270	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED METHOD FOR RECOGNIZING ABNORMAL ACTIVITY IN VEHICLE DRIVERS	2022
	Dr. Dweepna Garg, Mr. Parth Navinchandra Goel	202241014897	MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE BASED RFID SYSTEM FOR DETECTING TRESPASSERS FOR PROVIDING ENHANCED SAFETY IN AGRICULTURAL FIELDS TO THE FARMERS	2022
RPCP	Charotar University of Science and Technology	393107	THERMOGELLING COMPOSITION AND METHOD OF PREPARATION OF THE SAME	2022
	Charotar University of Science and Technology	IN202121048520	ANTIDIABETIC FORMULATION	2022
	Charotar University of Science and Technology	IN202121057204	DEVICE AND METHOD FOR DEVELOPMENT OF SMALL PARTICLES	2022
CMPICA	Charotar University of Science and Technology	202121034845 A	FARM-FIELD INTRUSION PROTECTION SYSTEM	2022
	Chawada Rahul Kumar, Raval Arpankumar, Gaikwad Sandeep	DE: 20 2022 102 436.7	MACHINE LEARNING AND IOT-ENABLED SMART AIR PURIFIER TO CHECK THE QUALITY AND PURIFY THE AIR	2022

- **Research papers Published**

CHARUSAT emphasizes on quality research and the students and faculty members are motivated and supported to work towards excellence by encouraging the faculty members to publish their papers in Scopus or Web of Science journals. The same is reflected in the research papers published. The total number of research papers published in journals are 255 respectively. Following are the details of some of the papers published.

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
1	A review on tribomechanical properties of micro-and nanoparticulate-filled nylon composites	Kawaljit singh Randhawa, Ashwin Patel	Faculty of Technology & Engineering	Journal of Polymer Engineering	2021	2191-0340
2	Influence of h-BN fillers on mechanical and tribological properties of PP/PA6 blend	Kawaljit singh Randhawa	Faculty of Technology & Engineering	World Journal of Engineering	2021	1708-5284
3	Damage free drilling of carbon fibre reinforced composites – a review	Punit Patel, Vijay Chaudhary	Faculty of Technology & Engineering	Australian Journal of Mechanical Engineering	2021	1448-4846
4	Experimental Investigation of Molybdenum Oxide Coatings Prepared by RF Magnetron Sputtering	Kamlesh V Chauhan	Faculty of Technology & Engineering	Materials Performance and Characterization	2021	2165-3992
5	Multispectral spectroscopic analysis for classification	Axat Vijaykumar Patel	Faculty of Technology & Engineering	International Journal of Aquatic Science	2021	2008-8019
6	Influence of moisture/water absorption on mechanical and thermal properties of polyamide6/boric oxide composites	Kawaljit singh Randhawa, Ashwin Patel	Faculty of Technology & Engineering	Pigment & Resin Technology	2021	0369-9420
7	The effect of environmental humidity/water absorption on tribomechanical performance of polymers and polymer composites – a review	Kawaljit singh Randhawa, Ashwin Patel	Faculty of Technology & Engineering	Industrial Lubrication and Tribology	2021	0036-8792

8	Experimental Investigation and Mathematical Modeling of Longitudinally Placed Natural Fiber Reinforced Polymeric Composites including Interphase Volume Fraction	SAGAR RAMCHANDRA CHOKSHI, DR. PIYUSH GOHIL	Faculty of Technology & Engineering	Fibers and Polymers	2021	1875-0052
9	Tribological performance of self-lubricated polyamide6/boric oxide composites after water conditioning	Kawaljit singh Randhawa, Ashwin Patel	Faculty of Technology & Engineering	Pigment & Resin Technology	2021	0369-9420
10	Influence of water absorption on mechanical properties and glass transition temperatures of polyamide6/hexagonal boron nitride composites	Kawaljit singh Randhawa, Ashwin Patel	Faculty of Technology & Engineering	International Journal of Structural Integrity	2021	1757-9864
11	Investigation of Post Annealed Titanium Nitride Thin Films Deposited with Magneto-Sputtering	KAMLESH V CHAUHAN	Faculty of Technology & Engineering	Materials Performance and Characterization	2021	2165-3992
12	Effect of ethylene glycol monoacetate as an oxygenated fuel additive on emission and performance characteristics of diesel engine fueled with diesel-cottonseed biodiesel	BHAVIN HARESHKUMAR MEHTA, DATTATRAYA GANPATRAO SUBHEDAR, GAURANG ARVINDBHAI PATEL, ABHISHEK SWARNKAR, RUGNESHKUMAR RAMESHBHAI PATEL	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853
13	Pressure influence on saturated boiling of R141b over Cu and Si-coated surfaces	ABHISHEK SWARNKAR	Faculty of Technology & Engineering	Journal of Process Mechanical Engineering	2021	2041-3009
14	Delamination evaluation in drilling of	PUNIT BABUBHAI PATEL, VIJAYKUMAR	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853

	composite materials – A review	PREMJIBHAI CHAUDHARY				
15	Photocatalytic degradation of low-density polythene using protein-coated titania nanoparticles and Lactobacillus plantarum	KAMLESH V CHAUHAN	Faculty of Technology & Engineering	Environmental Technology	2021	0959-3330
16	Degassing and layers variation effect on composite processing by vacuum assisted resin transfer moulding	ALPA BHATT, DR PIYUSH P GOHIL, VIJAYKUMAR PREMJIBHAI CHAUDHARY	Faculty of Technology & Engineering	Journal of Engineering Research	2021	2307-1885
17	Design and optimization of shear mode MR damper using GRG and GRA methods: experimental validation	DIPALKUMAR M PATEL, DR. D.V.BHATT, R V UPADHYAY	Faculty of Technology & Engineering	Sadhana	2021	0973-7677
18	Review on mechanism and parameters affecting thermal conductivity of nanofluid	BHAVIN HARESHKUMA R MEHTA, DATTATRAYA GANPATRAO SUBHEDAR	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853
19	Current Approach to Develop TiO ₂ Thin Film as Photocatalysts for Low-Density Plastic Degradation	DAVE DIVYESHKUMA R PRAMODRAI, KAMLESH V CHAUHAN	Faculty of Technology & Engineering	Nature Environment and Pollution Technology	2021	2395-3454
20	Effects of stir casting process parameters on dispersion of reinforcement particles during preparation of metal composites	Vishal Rajendrabhai Mehta, Mayurkumar Pravinchandra Sutaria	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853
21	Effect of Stirrer Geometry and Stirrer Position on Tensile Strength of Aluminium Matrix Composites (AMCs) Cast in Sand Mold and Metal Mold	Vishal Rajendrabhai Mehta, Mayurkumar Pravinchandra Sutaria	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853

22	Rapid tooling in investment casting: Investigation on surface finish of mould produced with 3D printed patterns	Akash Vishnuprasad Vyas, Mayurkumar Pravinchandra Sutaria	Faculty of Technology & Engineering	AIP Conference Proceedings	2021	1551-7616
23	Investigation of Performance and Emission Characteristics of Four Stroke Single Cylinder Diesel Engine with Cotton-Seed Biodiesel	BHAVIN HARESHKUMAR MEHTA, DATTATRAYA GANPATRAO SUBHEDAR, GAURANG ARVINDBHAI PATEL, ABHISHEK SWARNKAR	Faculty of Technology & Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-899X
24	Effect of Al ₂ O ₃ and SiC nanoparticles on tribological properties of bidirectional glass fiber reinforced composites	GAURANG ARVINDBHAI PATEL, VIJAYKUMAR PREMJIBHAI CHAUDHARY, BHAVIN HARESHKUMAR MEHTA, ABHISHEK SWARNKAR	Faculty of Technology & Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-899X
25	Structural, optical and wettability properties of zirconium oxide thin films deposited at various helium partial pressure	Kamlesh V Chauhan	Faculty of Technology & Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-899X
26	Investigate the effect of oxygen gas variation on wettability properties of chromium oxynitride coatings	KAMLESH V CHAUHAN, DATTATRAYA GANPATRAO SUBHEDAR, PARMAR ANKITKUMAR VINUBHAI	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853
27	Appraisal of Urban Road Traffic Noise in tier-II City (Surat City), India	Dipeshkumar R. Sonaviya and Bhaven N. Tandel	Faculty of Technology & Engineering	Sound & Vibration	2021	1541-0161
28	Seismic performance of bridges with variable friction pendulum system	V. R. Panchal, R. S. Jangid and Bhargav B. Shobhana	Faculty of Technology & Engineering	International Journal of Structural Engineering	2021	1758-7336

29	Analysis and Design of Turbine Building using High Strength Steel	Ravi Vekaria, Dr. V.R.Panchal, Nirav Thakkar	Faculty of Technology & Engineering	ADBU-Journal of Engineering Technology	2021	2348-7305
30	Design of Lean to Roof Steel Trusses with Hollow Circular tube using IS 875 (part-III):2015 & IS 800:2007	Mahesh B. Prajapati, V. R. Panchal, and Amit Suthar	Faculty of Technology & Engineering	ADBU-Journal of Engineering Technology	2021	2348-7305
31	Security Testing with JMeter	DIVYESH BHUPENDRA B HAI PATEL, SHAH ABHISHEK RAJESH, PATEL SIDDH SUNILBHAI	Faculty of Technology & Engineering	GIS SCIENCE JOURNAL	2021	1869-9391
32	Detection and Segmentation of Medical Images Using Generic Algorithms	HARDEV MUKESHBHAI KHANDHAR, CHINTAN MAHESHKUMA R BHATT	Faculty of Technology & Engineering	International Journal of Extreme Automation and Connectivity in Healthcare (IJEACH)	2021	2577-4794
33	A Survey on Context-Aware Fog Computing Systems	CHINTAN MAHESHKUMA R BHATT	Faculty of Technology & Engineering	Computacion y Sistemas	2021	2007-9737
34	Sentiment Analysis of Hotel Reviews using Word Cloud and Machine Learning Techniques	DHAVAL KUMA R AMBALAL BHOI, AMIT RAMANLAL THAKKAR	Faculty of Technology & Engineering	GIS SCIENCE JOURNAL	2021	1869-9391
35	A Comprehensive Review on Seismocardiogram: Current Advancements on Acquisition, Annotation, and Applications	CHINTAN MAHESHKUMA R BHATT	Faculty of Technology & Engineering	Mathematics	2021	2227-7390
36	Detection and analysis of COVID-19 in medical images using deep learning techniques	CHINTAN MAHESHKUMA R BHATT, HARDEV MUKESHBHAI KHANDHAR	Faculty of Technology & Engineering	Scientific Reports	2021	2045-2322
37	A physiological signal compression approach using optimized Spindle Convolutional	BAROT VISHAL GIRISHBHAI, RITESH PRAVINBHAI PATEL	Faculty of Technology & Engineering	Biomedical Signal Processing and Control	2021	1746-8094

	Auto-encoder in mHealth applications					
38	An Efficient Local Block Sobolev Gradient and Laplacian Approach for Elimination of Atmospheric Turbulence	PATEL KRINA TARUNKUMAR , DWEEPNA GARG	Faculty of Technology & Engineering	International Journal of Image and Graphics	2021	1793-6756
39	Implementing a Recommendation System using Word2vec with a Case Study in Python	MIKINBHAI RAKESHBHAI PATEL, BHAVIN KIRITBHAI DAVE, DIVYESH BHUPENDRAB HAI PATEL	Faculty of Technology & Engineering	GIS SCIENCE JOURNAL	2021	1869-9391
40	Direct Neighbor Sink Reputed Trust Based Intrusion Detection System To Mitigate Sinkhole Attack In RPL For IoT Networks	Bimal Patel, Dr. Parth Shah	Faculty of Technology & Engineering	JESTR (Journal of Engineering Science and Technology Review)	2021	1791-2377
41	Operating System support, protocol stack with key concerns and testbed facilities for IoT: A case study perspective	BIMAL HARIVADAN PATEL, PARTH DILIPKUMAR SHAH	Faculty of Technology & Engineering	Journal of King Saud University– Computer and Information Sciences	2021	2213-1248
42	An efficient approach for low latency processing in stream data	Nirav Bhatt, Dr Amit Thakkar	Faculty of Technology & Engineering	PeerJ Computer Science	2021	2376-5992
43	Performance Improvement of Extreme Multi-Label Classification using K-way Tree Construction with Parallel Clustering Algorithm	PURVI HARISHKUMA R PRAJAPATI, AMIT RAMANLAL THAKKAR	Faculty of Technology & Engineering	Journal of King Saud University– Computer and Information Sciences	2021	2213-1248
44	Corrugated SIW Based Bandpass Filter for Microwave Interferometer and ISM Band Application	ALPESHSINH DUDABHAI VALA, AMITKUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI,	Faculty of Technology & Engineering	Progress In Electromagnetics Research C	2021	1937-8718

		KEYUR KAMALDASJI MAHANT , HIREN MEWADA,				
45	HMSIW- and QMSIW-based antenna for wireless communication application	ALPESHSINH DUDABHAI VALA, AMITKUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI, KEYUR KAMALDASJI MAHANT , HIREN MEWADA,	Faculty of Technology & Engineering	Circuit World	2021	0305-6120
46	Quasi-Optic Based HE11 Miter Bend at 42GHz for ECRH Application	AMITKUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI, KEYUR KAMALDASJI MAHANT ,ALPESHSINH DUDABHAI VALA, BHATT PUJITA ROHITKUMAR, HIREN MEWADA,	Faculty of Technology & Engineering	Progress in Electromagnetics Research , PIER C	2021	1937-8718
47	Design and development of 42GHz Transmission line for ECRH application	AMITKUMAR VINUBHAI PATEL, KEYUR KAMALDASJI MAHANT ,ALPESHSINH DUDABHAI VALA, BHATT PUJITA ROHITKUMAR, HIREN MEWADA, SATHAYANAR AYANA K	Faculty of Technology & Engineering	Fusion Engineering and design	2021	0920-3796

48	UWB CPW fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications	AMITKUMAR VINUBHAI PATEL, ISSA ELFERGANI, SAGARKUMAR BALDEVBHAJI PATEL, KEYUR KAMALDASJI MAHANT, ALPESHSHINH DUDABHAI VALA, ARPAN HARISHKUMAR DESAI, CHEMSEDDIN E ZEBIRI, JONATHAN RODRIGUEZ, HIREN MEWADA, ESRAA ALI	Faculty of Technology & Engineering	Alexandria Engineering Journal	2021	1110-0168
49	Wideband Flexible/Transparent Connected-Ground MIMO Antennas for Sub-6 GHz 5G and WLAN Applications	ARPAN HARISHKUMAR DESAI, TRUONG KHANG NGUYEN, MERIH PALANDOKEN, JAYSHRI KULKARNI, GANGIL BYUN	Faculty of Technology & Engineering	IEEE Access	2021	2169-3536
50	On the performance of modulo based Deci power interleaver in code domain NOMA system	ARPITA PINALKUMAR PATEL, ASHISH SHUKLA	Faculty of Technology & Engineering	Materials Today: Proceedings	2021	2214-7853
51	Implementation and comparative analysis of evolutionary algorithms for energy optimization in wireless sensor networks	BRIJESH LAXMANBHAI KUNDALIYA, DR.S.K.HADIA	Faculty of Technology & Engineering	International Journal of Communication Systems	2021	1099-1131
52	Gain Enhancement of SIW Cavity-Backed Antenna Using Dielectric Loading	DHARA MILAN PATEL, FALGUNI AMBALAL RAVAL	Faculty of Technology & Engineering	Progress In Electromagnetics Research C	2021	1937-8718
53	Spiral Inductor and Interndigital Capacitor Based Coupled	DHARA PINKESH PATEL	Faculty of Technology & Engineering	International Journal of Engineering	2021	2278-0181

	Resonator Bandpass Filter			Research & Technology		
54	Surface Mountable Compact Printed Dipole Antenna for GPS/WiMAX Applications	HITESH NATVARLAL PATEL , TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	Progress In Electromagnetics Research Letters	2021	1937-6480
55	An enhancement of mammogram images for breast cancer classification using artificial neural networks	JALPA HARSHIT DESAI, S. K. HADIA	Faculty of Technology & Engineering	IAES International Journal of Artificial Intelligence	2021	2252-8938
56	Behavioral Analysis of Embedded Linux Device Drivers on Beagle Bone Black	JIGNESH J PATOLIYA , PATEL SAGAR BHAVESHKUM AR, MIRAL MUKESHBHAI DESAI , DESAI NINAD NIMESH	Faculty of Technology & Engineering	PSYCHOLOGY AND EDUCATION	2021	0033-3077
57	Spoof Surface Plasmon Polaritons and Half-Mode Substrate Integrated Waveguide Based Compact Band-Pass Filter for RADAR Application	KEYUR KAMALDASJI MAHANT,AMIT KUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI, ALPESHSINH DUDABHAI VALA , HIREN MEWADA	Faculty of Technology & Engineering	Progress In Electromagnetics Research M	2021	1937-8726
58	A Different Way for Detecting Anaemia Disease using Bioelectronics Circuit	MANTHON SUDHIRBHAI MANAVADARIA	Faculty of Technology & Engineering	ASM Science Journal	2021	2682-8901
59	Review on Human Pose Estimation And Human Body Joints Localization	MIRAL MUKESHBHAI DESAI, HIREN K. MEWADA	Faculty of Technology & Engineering	International Journal of Computing and Digital Systems	2021	2210-142X
60	A Robust Discrete Wavelet Transform Based Adaptive Watermarking Scheme in YCbCr Color Space against Camcorder Recording in	NILESH KUMAR DUBEY , HARDIK P MODI	Faculty of Technology & Engineering	Engineered Science	2021	2576-9898

	Cinema/Movie Theatres					
61	Surface Mountable Multiband Dielectric Resonator Antenna for Wireless Communication Systems	PANDEY RAJAT GIRJASHANKA R, TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	Progress In Electromagnetics Research M	2021	1937-8726
62	Substrate integrated waveguide fed dual band quad-elements rectangular dielectric resonator MIMO antenna for millimeter wave 5G wireless communication systems	PANDEY RAJAT GIRJASHANKA R, TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	AEÜ - International Journal of Electronics and Communications	2021	1434-8411
63	I-Shaped Frequency and Pattern Reconfigurable Antenna for WiMAX and WLAN Applications	POONAM JAYANTIBHAI THANKI , FALGUNI AMBALAL RAVAL	Faculty of Technology & Engineering	Progress In Electromagnetics Research Letters	2021	1937-6480
64	Low-Profile Parallel Mutually Coupled Triple-Band Antenna for Telecommunications Applications	RIKIKUMAR HASMUKHBHA I PATEL , TRUSHIT KIRTIKUMAR UPADHYAYA , ARPAN HARISHKUMAR DESAI	Faculty of Technology & Engineering	Wireless Personal Communications	2021	1572-834X
65	Multispectral spectroscopic analysis for classification	RIKIN JAYDEVBHAI NAYAK, AXAT VIJAYKUMAR PATEL , HARDIK SUDHIRBHAI JAYSWAL, CHINTAL UPENDRA RAVAL	Faculty of Technology & Engineering	International Journal of Aquatic Science	2021	2008-8019
66	Novel Detection Schemes for Generalised Quadrature Spatial Modulation (GQSM)	SAGARKUMAR BALDEVBHAI PATEL , DHARMENDRA SINH VIRENDRASINH CHAUHAN , JAYMIN	Faculty of Technology & Engineering	International Journal of Communication Systems(ijcs)	2021	1099-1131

		BHALANI, YOGESH N TRIVEDI				
67	Wide slot tri-band antenna for Wireless Local Area Network/World-Wide Interoperability for Microwave Access applications	UPESH PARBHUBHAI PATEL , TRUSHIT KIRTIKUMAR UPADHYAYA , ARPAN HARISHKUMAR DESAI, MEGH PAREKH	Faculty of Technology & Engineering	International Journal of Communication Systems	2021	1099-1131
68	Low Profile Surface Mountable Compact Microstrip Antenna for GPS / WLAN Applications	UPESH PARBHUBHAI PATEL, TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	International Journal of Microwave and Optical Technology	2021	1553-0396
69	Ridge Gap Waveguide based band pass filter for Ku-band Application	CHHASATIA NEETIRAJSINH JAYDEEPSINH , AMITKUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI	Faculty of Technology & Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-899X
70	Tri-band Defected Ground Plane Based Planar Monopole Antenna for Wi-Fi/WiMAX/WLAN Applications	PANDYA ANERI RAJENDRAPRASAD, KILLOL VISHNUPRASAD PANDYA , TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	Progress In Electromagnetics Research (PIER) C	2021	1937-8718
71	MIMO semi-blind channel estimation by using Tikhonov regularized MMSE and MAP algorithms with Householder transformation based QR decomposition	SAXENA PAYAL , SAGARKUMAR BALDEVBHAII PATEL, JAYMIN BHALANI	Faculty of Technology & Engineering	Radioelectronics and Communications Systems	2021	1934-8061
72	Channel estimation scheme for MIMO communication using generalized Cholesky decomposition and	SAXENA PAYAL, SAGARKUMAR BALDEVBHAII PATEL ,	Faculty of Technology & Engineering	Radioelectronics and Communications Systems	2021	1934-8061

	back substitution methods	JAYMIN BHALANI				
73	Graphene-based wide band semi-flexible array antenna with parasitic patch for smart wireless devices	VASHI RONAK RAJENDRAKUMAR, ARPAN HARISHKUMAR DESAI, TRUSHIT KIRTIKUMAR UPADHYAYA	Faculty of Technology & Engineering	International Journal of Microwave and Wireless Technologies	2021	1759-0795
74	Design and Analysis of Wideband Flexible Self-Isolating MIMO Antennas for Sub-6 GHz 5G and WLAN Smartphone Terminals	JAYSHRI KULKARNI, ARPAN HARISHKUMAR DESAI AJAY PODDAR, ABDULLAH G. ALHARBI, CHOW-YEN-DESMOND SIM	Faculty of Technology & Engineering	Electronics	2021	2079-9292
75	Power Conversion Using Analytical Model of Cockcroft–Walton Voltage Multiplier Rectenna	ESRAA MOUSIN ALI, AMITKUMAR VINUBHAI PATEL, NOR ZAIHAR YAHAYA, OMAR AQEEL SARAEREH, ANWAR HAMDAN AL ASSAF, OLADIMEJI IBRAHIM, SHAHID IQBAL, BILAL HASAN ALQASEM	Faculty of Technology & Engineering	electronics	2021	2079-9292
76	Multi-channel Local Binary Pattern Guided Convolutional Neural Network for Breast Cancer Classification	HIREN MEWADA, AMITKUMAR VINUBHAI PATEL, JITENDRA PRABHAKAR CHAUDHARI, KEYUR KAMALDASJI MAHANT, ALPESH SINH DUDABHAI VALA, JAWAD F. AL-ASAD	Faculty of Technology & Engineering	The Open Biomedical Engineering Journal	2021	1874-1207

77	A fast region-based active contour for non-rigid object tracking and its shape retrieval	HIREN MEWADA, AMITKUMAR VINUBHAI PATEL , JITENDRA PRABHAKAR CHAUDHARI , KEYUR KAMALDASJI MAHANT, ALPESHSINH DUDABHAI VALA	Faculty of Technology & Engineering	PeerJ Computer Science	2021	2376-5992
78	Two port CPW-fed MIMO antenna with wide bandwidth and high isolation for future wireless applications	JAYSHRI KULKARNI, ARPAN HARISHKUMAR DESAI , CHOW-YEN-DESMOND SIM	Faculty of Technology & Engineering	International Journal of RF and Microwave Computer-Aided Engineering	2021	1099-047X
79	Effect analysis of the general complex reciprocal gyrobianisotropic metamaterial medium on the input impedance of a printed dipole antenna	MOHAMED LAMINE BOUKNIA, ARPAN HARISHKUMAR DESAI , TATHABABU ADDEPALLI, CHEMSEDDINE ZEBIRI, DJAMEL SAYAD, ISSA ELFERGANI, MOHAMMAD MATIN, JONATHAN RODRIGUEZ	Faculty of Technology & Engineering	Alexandria Engineering Journal	2021	1110-0168
80	Performance metric analysis of transmission range in the ZigBee network using various soft computing techniques and the hardware implementation of ZigBee network on ARM-based controller	PRATIVA P. SARASWALA, SAGARKUMAR BALDEVBHAI PATEL , JAYMIN BHALANI	Faculty of Technology & Engineering	Wireless Networks	2021	1572-8196
81	4 Element compact triple band MIMO antenna for sub-6 GHz 5G wireless applications	R. KRISHNAMOORTHY, ARPAN HARISHKUMAR DESAI,	Faculty of Technology & Engineering	Wireless Networks	2021	1572-8196

		RIKIKUMAR HASMUKHBHA I PATEL				
82	8-Port Semi-Circular Arc MIMO Antenna with an Inverted L- Strip Loaded Connected Ground for UWB Applications	TATHABABU ADDEPALLI, ISSA ELFERGANI, ARPAN HARISHKUMA R DESAI, N. ANVESHKUMA R, JAYSHRI KULKARNI, CHEMSEDDIN E ZEBIRI, JONATHAN RODRIGUEZ,R AED ABD- ALHAMEED	Faculty of Technology & Engineering	Electronics	2021	2079-9292
83	An inverted L-strip loaded ground with hollow semi-hexagonal four-element polarization diversity UWB-MIMO antenna	V. R. BALAJI, TRUONG KHANG NGUYEN, ARPAN HARISHKUMA R DESAI,TATHAB ABU ADDEPALLI, ANVESHKUMA R NELLA	Faculty of Technology & Engineering	Transactions on Emerging Telecommunications Technologies	2021	2161-3915
84	Design, Fabrication and CFD Analysis of Jet Impingement Solar Dryer for Copra	M. KANNAN, VIBHABEN NARENDRABH AI PARMAR, A.R. VIJAY BABU, P.M. VENKATES	Faculty of Technology & Engineering	REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS	2021	2237-0722
85	Hybrid cross entropy— cuckoo search algorithm for solving optimal power flow with renewable generators and controllable loads	JIGAR SUBODHCHAN DRA SARDA; KWANG LEE; KARTIKBHAII SHASHIKANT PANDYA	Faculty of Technology & Engineering	optimal control applications and methods	2021	1099-1514
86	A Comprehensive Survey of Anomaly Detection Algorithms	DURGESH OMPRAKASH SAMARIYA, AMIT RAMANLAL THAKKAR	Faculty of Technology & Engineering	Springer-Verlag GmbH Germany, part of Springer Nature	2021	2198-5812

87	Essentials of Predicting Epileptic Seizures Based on EEG Using Machine Learning: A Review	Vibha Patel, Jaishree Tailor, Amit Pravinchandra Ganatra	Faculty of Technology & Engineering	The Open Biomedical Engineering	2021	1874-1207
88	An Efficient Deep Convolutional Neural Network Approach for Object Detection and Recognition Using a Multi-Scale Anchor Box in Real-Time	Vijayakumar Varadarajan, Dweepna Garg, Dr Ketan Kotecha	Faculty of Technology & Engineering	Future Internet	2021	1999-5903
89	An Efficient Multi-Scale Anchor Box Approach to Detect the Partial Faces from a Video Sequence	Dweepna Garg, Ketan Kotecha, Parth Navinchandra Goel, Vijayakumar Varadarajan, Priyanka Jain	Faculty of Technology & Engineering	Big Data and Cognitive Computing	2022	2504-2289
90	CNN Variants for Computer Vision: History, Architecture, Application, Challenges and Future Scope	Dulari Bhatt, Chirag Ishwarbhai Patel, Hardik Talsania, Jigar Patel, Rasmika Vaghela, Sharnil Pandya, Kirit Modi, Hemant Ghayvat	Faculty of Technology & Engineering	Electronics	2021	2079-9292
91	Memcached: An Experimental Study of DDoS Attacks for the Wellbeing of IoT Applications	Nivedita Mishra, Sharnil Pandya, Chirag Ishwarbhai Patel, Kirit Modi, Pooja Shah, Madhuri Chopade, Sudha Patel, Ketan Kotecha, Nagaraj Cholli	Faculty of Technology & Engineering	Sensors	2021	1424-8220
92	A Study of the Recent Trends of Immunology: Key Challenges, Domains, Applications, Datasets, and Future Directions	Sharnil Pandya, Chirag Ishwarbhai Patel, Aanchal Thakur, Santosh Saxena, Nandita Jassal, Kirit Modi, Pooja Shah, Rahul Joshi,	Faculty of Technology & Engineering	Sensors	2021	1424-8220

		Sudhanshu Gonge, Kalyani Kadam, Prachi Kadam				
93	A Robust Discrete Wavelet Transform Based Adaptive Watermarking Scheme in YCbCr Color Space against Camcorder Recording in Cinema/Movie Theatres	Nilesh Kumar Dubey, Hardik P Modi	Faculty of Technology & Engineering	Engineered Science	2021	2576-9898
94	Pharmacological Study of A3 Adenosine Receptor agonist (AB Meca) in Xenograft Lung Cancer Model in Mice through In Silico and In Vivo Approach: Targeting TNF-a	NILAY DHIRENKUMAR SOLANKI, MEHUL MANUBHAI PATEL, UMANG HARISHCHAN DRA SHAH, SWAYAMPRAKASH KANTILAL PATEL, ASHISH DHIRUBHAI PATEL, SHAH SHAINI SHAILESHKUMAR	Faculty of Pharmacy	Current Drug Discovery Technologies	2021	1875-6220
95	Method Development, Validation and Degradation Studies of Imatinib Mesylate by UPLC	PUNNA VENKATESHWARLU, MEHUL MANUBHAI PATEL	Faculty of Pharmacy	Journal of Pharmaceutical Research International	2021	2456-9119
96	Method Development and Validation of Degradation Studies of Lenalidomide by RP-HPLC	PUNNA VENKATESHWARLU, MEHUL MANUBHAI PATEL	Faculty of Pharmacy	Research Journal of Pharmacy and Technology	2021	0974-360X
97	Method Development and Validation of Degradation Studies of Palbociclib by RP-HPLC	PUNNA VENKATESHWARLU, MEHUL MANUBHAI PATEL	Faculty of Pharmacy	International Journal of Pharmaceutical Research (IJPR)	2021	0975-2366
98	Estimation of Tadalafil in Human Plasma by Spectrofluorophotometry	SAMIR GUNVANTBHAI PATEL	Faculty of Pharmacy	INDIAN DRUGS	2021	0019-462X

99	Design and optimization of curcumin loaded nano lipid carrier system using Box-Behnken design	RAVISH JANAKBHAI PATEL	Faculty of Pharmacy	Biomedicine & Pharmacotherapy	2021	0753-3322
100	DEVELOPMENT AND VALIDATION OF UV SPECTROPHOTOMETRIC METHOD FOR THE ESTIMATION OF ROTIGOTINE IN NANOSTRUCTURED LIPID CARRIERS	JAGRUTI BRIJESH PRAJAPATI, GAYATRIBAHE N CHHAGANBHA I PATEL	Faculty of Pharmacy	Indian Drugs	2021	0000-0000
101	Assessment of Testosterone Biogenesis Enhancement by a Lupeol Derivative Separated from Seeds of Hygrophila spinosa T. Ander in vitro	NIRAJ YASHVANTRAI VYAS, MANAN ARUNKUMAR RAVAL, KANANKUMAR I GAMANLAL GAMIT, SAMIR GUNVANTBHAI PATEL	Faculty of Pharmacy	Journal of Natural Remedies	2021	2320-3358
102	Male infertility: A scoping review of prevalence, causes and treatments	SHAH KIRATI MITESHKUMA R, NIRAJ YASHVANTRAI VYAS, MANAN ARUNKUMAR RAVAL, KANANKUMAR I GAMANLAL GAMIT	Faculty of Pharmacy	Asian Pacific Journal of Reproduction	2021	2305-0519
103	Quantification of antileukemic drug Dasatinib in human plasma: Application of a sensitive liquid chromatographic method	AVANI BHARATKUMA R CHOKSHI, BHANUSHALI POOJA ARVINDBHAI	Faculty of Pharmacy	Journal of Chemical Metrology	2021	1307-6183
104	Mechanical properties and biodegradability of electrospun methylcellulose-polyvinylalcohol single-layered nanofibers compared to polycaprolactone/methylcellulose-polyvinylalcohol/polycaprolactone	YADAV BINDU KUMARI NAGENDRA, GAYATRIBAHE N CHHAGANBHA I PATEL	Faculty of Pharmacy	International Journal of Polymeric Materials and Polymeric Biomaterials	2021	1563-535X

	multilayered nanofibers					
105	Role of Natural and Synthetic Flavonoids as Potential Aromatase Inhibitors in Breast Cancer: Structure-Activity Relationship Perspective	UMANG HARISHCHAN DRA SHAH, SAMIR GUNVANTBHAI PATEL, MEHUL MANUBHAI PATEL, SWAYAMPRAK ASH KANTILAL PATEL, ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Anti-Cancer Agents in Medicinal Chemistry	2021	1875-5992
106	Formulation of Modified Liquid-Solid Compact for Dissolution Enhancement of Raloxifene Hydrochloride	GAYATRIBAHE N CHHAGANBHA I PATEL, DHARMANG TANSUKHRAY PANDYA, GANDHI PUSHTI RAKESH	Faculty of Pharmacy	Pharmaceutical Technology	2021	1543-2521
107	Protective effects of lycopene against adenine-induced chronic renal failure in rats	GORI POOJABAHEN VELJIBHAI, NILAY DHIRENKUMA R SOLANKI, UMANG HARISHCHAN DRA SHAH, ALKESHKUMA R KIRITBHAI PATEL	Faculty of Pharmacy	Indian Journal of Physiology and Pharmacology	2021	2582-2799
108	Development of a quick reverse phase liquid chromatographic method with photodiode-array detection for quantitative determination of chlorthalidone, metoprolol succinate and telmisartan in tablet formulation	AVANI BHARATKUMA R CHOKSHI, MEHUL MANUBHAI PATEL, PRAJAPATI ROHIT SANTKUMAR	Faculty of Pharmacy	Journal of Chemical Metrology	2021	1307-6183

109	Development of Natural Bioactive Alkaloids: Anticancer Perspective	ASHISH DHIRUBHAI PATEL, UMANG HARISHCHAN DRA SHAH, VANECHA RAVIKUMAR DASHARATHBH HAI, PATEL JAY ATUL, PATEL DIVY MANISHKUMA R	Faculty of Pharmacy	Mini-Reviews in Medicinal Chemistry	2021	1875-5607
110	In-vitro Cytotoxicity and Aromatase Inhibitory Activity of Flavonoids: Synthesis, Molecular Docking and In-silico ADME Prediction	UMANG HARISHCHAN DRA SHAH, MEHUL MANUBHAI PATEL, DR. NEERAJ DEVENDRA JAIN, ASHISH DHIRUBHAI PATEL, NILESH OMPRAKASH PANDEY, CHAUHAN ALEX VICTOR, SAMIR GUNVANTBHAI PATEL	Faculty of Pharmacy	Anti-Cancer Agents in Medicinal Chemistry	2021	1875-5992
111	A REVIEW ON UTILIZATION OF INTRANASAL ROUTE FOR THE EFFECTIVE ADMINISTRATION OF ANTIVIRAL DRUGS IN THE TIME OF COVID – 19 PANDEMIC	ADILKUMAR SANAKUMAR PATEL	Faculty of Pharmacy	INTERNATIONAL JOURNAL OF BIOLOGY PHARMACY AND ALLIED SCIENCES	2021	2277-4998
112	Investigation on Potential of Chitosan Nanoparticles for Oral Bioavailability Enhancement of Risedronate Sodium	JAGRUTI LALJIBHAI DESAI	Faculty of Pharmacy	AAPS PharmSciTech	2021	1530-9932
113	Fabrication of Cefixime Nanoparticles loaded Films and their Ex-Vivo Antimicrobial	PAYALBEN PURUSHOTTA MBHAI CHAUHAN	Faculty of Pharmacy	Pharmaceutical Nanotechnology	2021	2211-7393

	effect on Periodontitis Patient's Saliva					
114	Bio-actives from Caesalpinia sappan Linn.: Recent advancements in phytochemistry and pharmacology.	MITHUN SINGH RAJPUT	Faculty of Pharmacy	South African Journal of Botany	2021	0254-6299
115	A Simplex-Optimized Chromatographic Separation of Phytoconstituents in Cardioprotective Polyherbal Formulation and Crude Drugs	PAYALBEN PURUSHOTTA MBHAI CHAUHAN	Faculty of Pharmacy	Asian Journal of Pharmaceutics	2021	1998-409X
116	IDENTIFICATION OF ADULTERATION IN HOUSEHOLD CHILLI POWDER FROM ITS IMAGES USING LOGISTIC REGRESSION TECHNIQUE	NILAM SANAKUMAR DESAI, DHARMENDRA TRIKAMLAL PATEL	Faculty of Computer Science and Applications	Reliability: Theory and Applications	2021	1932-2321
117	SAG Cluster: An unsupervised graph clustering based on collaborative similarity for community detection in complex networks	SMITA AGRAWAL, ATUL MANUBHAI PATEL	Faculty of Computer Science and Applications	Physica A: Statistical Mechanics and its Applications	2021	0378-4371
118	Bacterial Colony Classification Using Atrous Convolution with Transfer Learning	SANSKRUTI VRIJLAL PATEL	Faculty of Computer Science and Applications	Annals of the Romanian Society for Cell Biology	2021	1583-6258
119	Classification of COVID-19 from chest X-ray images using a deep convolutional neural network	ANSKRUTI VRIJLAL PATEL	Faculty of Computer Science and Applications	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021	1309-4653
120	Predicting a Risk of Diabetes at Early Stage using Machine Learning Approach	SANSKRUTI VRIJLAL PATEL, ATUL MANUBHAI PATEL, NILAY PRAVINCHAND RA GANATRA, RACHANA	Faculty of Computer Science and Applications	Turkish Journal of Computer and Mathematics Education	2021	1309-4653

		SUNILKUMAR PATEL				
121	Artificial Intelligence and IoT based Smart Irrigation system for Precision Farming	HETALBEN PUNJABHAI PATEL, ATUL MANUBHAI PATEL, SHAILESH BABUBHAI KHANT	Faculty of Computer Science and Applications	Turkish Journal of Computer and Mathematics Education	2021	1309-4653
122	Optical Communication Engineering Simulation Laboratory for Effective Undergraduate Education during Era of Covid19	SHAILESH BABUBHAI KHANT , ATUL MANUBHAI PATEL, PRAVIN PRAJAPATI	Faculty of Computer Science and Applications	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021	1309-4653
123	Abnormality Detection from X-Ray Bone Images using DenseNet Convolutional Neural Network	ABHILASH MAHESHKUMA R SHUKLA, ATUL MANUBHAI PATEL	Faculty of Computer Science and Applications	International Journal of Current Research and Review	2021	0975-5241 (Online) 2231-2196 (Print)
124	Online brand communication and building brand trust: social information processing theory perspective	GEETA MARMAT	Faculty of Management Studies	Global Knowledge, Memory and Communication	2021	2514-9342
125	Enhancing brand experience in the online social media network context: a contingency perspective	GEETA MARMAT	Faculty of Management Studies	Qualitative Market Research	2021	1352-2752
126	Predicting intention of business students to behave ethically in the Indian context: from the perspective of Theory of Planned Behaviour	GEETA MARMAT	Faculty of Management Studies	Higher Education, Skills and Work-based Learning	2021	2042-3896

127	Social and economic empowerment of women through financial inclusion: empirical evidence from India	MUKESHKUMA R RAMSEVAK PAL, DR. HEMANT GUPTA, DR. YOGESH C. JOSHI	Faculty of Management Studies	Equality, Diversity and Inclusion	2021	2040-7149
128	The Measurement Model of the Pharmacy Education Service Quality: An Empirical Quest Based on Two Approaches	HEMANT GUPTA, BHAVESHKUMAR JIVABHAI PARMAR	Faculty of Management Studies	Indian Journal of Pharmaceutical Education and Research	2021	0019-5464
129	ASSESSMENTS OF FACTORS AFFECTING CUSTOMER'S SATISFACTION TOWARDS EVENT MANAGEMENT PRACTICES	BHAVESHKUMAR JIVABHAI PARMAR, ANUP M GAJJAR	Faculty of Management Studies	Vidyabharati International Interdisciplinary Research Journal (Special Issue)	2021	2319-4979
130	Exploring the Interconnectedness between Personal, Social and Community Factors, Technology Usage and Work-Life Integration among Woman Academicians	MINAKSHI SHERAWAT, BHAVESHKUMAR JIVABHAI PARMAR	Faculty of Management Studies	Education India - A Quarterly Refereed Journal on Dialogues on Education	2021	2278-2435
131	How to Recruit, Incentivize and Retain Millennials	BHAVESHKUMAR JIVABHAI PARMAR	Faculty of Management Studies	South Asian Journal of Management	2021	0971-5428
132	"Effectiveness of Mobile Assisted Language Learning (MALL) during the Covid – 19 Pandemic in Gujarat State: Charotar University of Science and Technology (CHARUSAT) Students' Perceptions"	Tushar Brahmbhatt, Bhaskar Pandya	Faculty of Management Studies	Turkish Online Journal of Qualitative Inquiry	2021	1309-6591
133	High-Throughput Computational Screening of Metal-Organic Frameworks for the Separation of Methane from Ethane and Propane	PONRAJ YADAVA KRISHNAN, DR. BHASKARJOY TI BORAH	Faculty of Sciences	J. Phys. Chem. C	2021	1932-7447, 1932-7455

134	Importance of confinement in instanton induced potential for bottomonium spectroscopy	BHOOMIKA PANDYA, MANANKUMAR NARESHKUMAR SHAH, P. C. VINODKUMAR	Faculty of Sciences	The European Physical Journal C	2021	1434-6052
135	Performance and biofilm-associated bacterial community dynamics of an upflow fixed-film microaerophilic-aerobic bioreactor system treating raw textile effluent	RATHOUR ROHIT RAMSINGH, CH IRAYU RAMESHCHAN DRA DESAI, DATTA BABURAO MADAMWAR, KUNAL JAIN	Faculty of Sciences	Journal of Cleaner Production	2021	0959-6526, 1879-1786
136	Microwave assisted synthesis of SnS nanosheets for fabrication of large area SnS/Si heterojunction	MODI KRISHNA HIRENKUMAR, DR C K SUMESH, PRATIK M PATANIA, VIKAS PATEL	Faculty of Sciences	Solar Energy	2021	0038-092X
137	Synergy of Dual Functional Sites for Conversion of CO ₂ in a Cycloaddition Reaction under Solvent-Free Conditions by a Zn(II)-Based Coordination Network with a Ladder Motif	PATEL UNNATI DIPAKKUMAR, ABHISHEK NATHALAL DADHANIA, PARTH PATEL, BHAVESH PARMAR, ERINGATHODI SURESH	Faculty of Sciences	Crystal Growth & Design	2021	1528-7483, 1528-7505
138	A review on biosurfactants: properties, applications and current developments	ANOOP RAVINDRANATH MARKANDE, SUNITA VARJANI, DIVYA PATEL	Faculty of Sciences	Bioresource Technology	2021	0960-8524
139	Highly efficient and green synthesis of spiro[indoline-3,9'-xanthene]trione and spiro[chromene -4,3'-indoline]-3-carbonitrile derivatives in water catalyzed by graphene oxide-supported dicationic ionic liquid	PATEL NIPUN DINESHCHAN DRA, ABHISHEK NATHALAL DADHANIA, PATEL UNNATI DIPAKKUMAR	Faculty of Sciences	Research on Chemical Intermediates	2021	0922-6168, 1568-5675

140	Electroactive bacterial community augmentation enhances the performance of a pilot scale constructed wetland microbial fuel cell for treatment of textile dye wastewater	PATEL DISHANT UTPALBHAI, CHIRAYU RAMESHCHAN DRA DESAI, BAPODRA SWETA LAKHUBHAI, DATTA MADAMWAR	Faculty of Sciences	Bioresource Technology	2021	0960-8524, 1873-2976
141	Nanocarrier vaccines for SARS-CoV- 2	TAPAN AMRUTLAL PATEL	Faculty of Sciences	Advanced Drug Delivery Reviews	2021	0169-409X
142	Magnetically separable heteropolyanion based ionic liquid as a heterogeneous catalyst for ultrasound mediated biodiesel production through esterification of fatty acids	HARSH DADHANIA, ABHISHEK NATHALAL DADHANIA, DIPAK RAVAL	Faculty of Sciences	Fuel	2021	0016-2361
143	ANALYSIS OF NUTRITIONAL FACTORS INFLUENCING THE BIOSYNTHESIS OF AMYLOID BIOEMULSIFIER BE-AM1 APPLICABLE IN FOOD INDUSTRY	ANOOP RAVINDRANATH MARKANDE, ANURADHA S. NERURKAR	Faculty of Sciences	Journal of Microbiology, Biotechnology and Food Sciences	2021	1338-5178
144	Paper-Based Flexible and Photosensitive Electrodes for Electrochemical Hydrogen Evolution	PRATIK M PATANIYA, DR C K SUMESH	Faculty of Sciences	ACS Applied Energy Materials	2021	2574-0962
145	Flexible piezo-resistive pressure sensor based on conducting PANI on paper substrate	DRISHYA KANNICHANKANDY, DR C K SUMESH, PRATIK M. PATANIYA,	Faculty of Sciences	Synthetic Metals	2021	0379-6779
146	A NEW EXTENSION OF BESSEL FUNCTION	MEERA HARDEVSINH CHUDASAMA	Faculty of Sciences	Communications of the Korean Mathematical Society	2021	1225-1763, 2234-3024
147	Protective Effects of Swertiamarin against Methylglyoxal-Induced Epithelial-	PARWANI KIRTI DILIP, PALASH MANDAL,	Faculty of Sciences	molecules	2021	1420-3049

	Mesenchymal Transition by Improving Oxidative Stress in Rat Kidney Epithelial (NRK-52E) Cells	PATEL DHARA SURESHBHAI, PATEL FARHIN MUSTAQALI				
148	WSe2-PANI nanohybrid structure as efficient electrocatalyst for photo-enhanced hydrogen evolution reaction	K DRISHYA, PRATIK PATANIA, DR C K SUMESH, GUNVANT K. SOLANKI	Faculty of Sciences	Journal of Alloys and Compounds	2021	0925-8388
149	Remazol reactive dye degrading Bacteria from freshwater fish of River Cauvery, Pallipalayam of Namakkal District, South India	SANKARANAR AYANAN, ANOOP RAVINDRANATH MARKANDE, S. KARTHIKEYAN	Faculty of Sciences	Environmental Systems Research	2021	2193-2697
150	MoS2/WSe2 nanohybrids for flexible paperbased photodetectors	PRATIK M PATANIA, DR C K SUMESH, VIKAS PATEL	Faculty of Sciences	Nanotechnology	2021	0957-4484
151	Inhibition of Phospholipase by Orlistat as an Alternate Therapy to Combat Opportunistic Mycosis Caused by <i>C. albicans</i> .	SINDE HARDI PURSHOTTAM, BHAVTOSH ANILKUMAR KIKANI, PATEL PRIYANKABEN ARVINDBHAI, DHYEY KOTHARI, DR. KUNJAN KIKANI	Faculty of Sciences	Current microbiology	2021	0343-8651, 1432-0991
152	A GENERAL INVERSE MATRIX SERIES RELATION AND ASSOCIATED POLYNOMIALS – II	RESHMABEN ROHITKUMAR SANJHIRA	Faculty of Sciences	Mathematica Slovaca	2021	0139-9918, 1337-2211
153	Plant growth promoting traits of marine <i>Micrococcus</i> sp. with bio-control ability against <i>Fusarium</i> in chickpea plant	PATEL PALAK PRAKASHBHAI, JANKI N THAKKER, PATEL KEYUR BHUPENDRABHAI, PINAKIN DHANDHUKIA	Faculty of Sciences	Vegetos	2021	2229-4473
154	Mycoparasitic <i>Pseudomonas</i> spp. against infection of	BADRAKIA JINAL NILESHBHAI,	Faculty of Sciences	Archives of Phytopathology and Plant Protection	2021	1477-2906

	Fusarium chlamydosporum pathogen in soyabean (Glycine max) plant	JANKI N THAKKER, PATEL KEYUR BHUPENDRAB HAI, PINAKIN DHANDHUKIA				
155	Zn(II)/Cd(II)-Based Metal-Organic Frameworks as Bifunctional Materials for Dye Scavenging and Catalysis of Fructose/Glucose to 5-Hydroxymethylfurfural	PATEL UNNATI DIPAKKUMAR, ABHISHEK NATHALAL DADHANIA, BHAVESH PARMAR, E. SURESH	Faculty of Sciences	Inorganic Chemistry	2021	0020-1669, 1520-510X
156	Enhanced electrocatalytic hydrogen evolution reaction by injection of photogenerated electrons in Ag/WS ₂ nanohybrids	PRATIK M. PATANIYA, DR C K SUMESH	Faculty of Sciences	Applied Surface Science	2021	0169-4332
157	Exploring microbial bioactive molecules from Western Ghats, India	VASAVA ZINAL THAKORBHAI, ANOOP RAVINDRANATH MARKANDE, PATEL POOJA PRITESHBHAI, KRUTI JAYESHBHAI MISTRY	Faculty of Sciences	Acta Ecologica Sinica	2021	1872-2032
158	ELECTROMAGNETIC WAVES DESCRIBED BY A FRACTIONAL DERIVATIVE OF VARIABLE AND CONSTANT ORDER WITH NON SINGULAR KERNEL	KRUNALKUMA R BHUPENDRAB HAI KACHHIIA	Faculty of Sciences	Discrete & Continuous Dynamical Systems - S	2021	1937-1632, 1937-1179
159	Metformin and Probiotics Interplay in Amelioration of Ethanol-Induced Oxidative Stress and Inflammatory Response in an In Vitro and In Vivo Model of Hepatic Injury	PATEL FARHIN MUSTAQALI, PALASH MANDAL, PARWANI KIRTI DILIP, PATEL DHARA SURESHBHAI	Faculty of Sciences	Mediators of Inflammation	2021	0962-9351, 1466-1861
160	Burkholderia cepacia BAM-12 isolated from mungbean field in Rajasthan augments	TEJAL POPAT, ANAMIKA SANJAY JHA	Faculty of Sciences	Journal of microbiology,	2021	1338-5178

	plant growth in agricultural field soil of Gujarat, India			biotechnology and food sciences		
161	Engineering of thermostable phytase-xylanase for hydrolysis of complex biopolymers	PATEL DHARTI PIYUSHKUMAR, GAYATRI A DAVE, DARSHANKUMAR HASMUKHBHAI PATEL, KIRANKUMAR GORDHANBHAI PATEL	Faculty of Sciences	3 Biotech	2021	2190-5738
162	A Role for Extracellular Vesicles in SARS-CoV-2 Therapeutics and Prevention	TAPAN AMRUTLAL PATEL	Faculty of Sciences	Journal of Neuroimmune Pharmacology	2021	1557-1890, 1557-1904
163	Editorial: Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation	CHIRAYU RAMESHCHAN DRA DESAI, DATTA BABURAO MADAMWAR, KUNAL JAIN	Faculty of Sciences	Frontiers in Microbiology	2021	1664-302X
164	Coumarin–carbazole based functionalized pyrazolines: synthesis, characterization, anticancer investigation and molecular docking	PATEL MRUGESHKUMAR JAYESHBHAI, DR.NEERAJ DEVENDRA JAIN	Faculty of Sciences	Royal Society of Chemistry Advances	2021	2046-2069
165	Enhanced photoresponse by plasmon resonance in Ni-WS ₂ /Si photodiode	PATEL MESWA HARSHAKUMAR, DR C K SUMESH, PRATIK M. PATANIYA	Faculty of Sciences	Materials Research Bulletin	2021	0025-5408
166	Effect of Redox Active Multivalent Metal salts on Micellization of Amphiphilic Block Copolymer for Energy Storage Devices via SANS, DLS and NMR	HIREN K. MACHHI., SAURBAH S. SONI, SANJAYKUMAR HEMRAJ PANJABI, VINOD K.	Faculty of Sciences	Journal of Molecular Liquids	2021	0167-7322

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167	A review of methods for detecting single-nucleotide polymorphisms in the Toll-like receptor gene family	CHAUHAN ALEX VICTOR, DR.NEERAJ DEVENDRA JAIN, PANDEY NILESH OMPRAKASH	Faculty of Sciences	Biomarkers in Medicine	2021	1752-0363, 1752-0371
168	Influence of TLR4 and TLR9 polymorphisms and haplotypes on multiple hrHPV infections and HPV16 copy number in cervical cancer and cervicitis	PANDEY NILESH OMPRAKASH, DR.NEERAJ DEVENDRA JAIN, CHAUHAN ALEX VICTOR, RONAK KHANDELWAL, RUTUL KAPADIA, AJESH DESAI, NITIN RAITHATHA, PURVI PATEL	Faculty of Sciences	Microbial Pathogenesis	2021	0882-4010
169	Electrophoretic Deposition of MoSe ₂ -MoO _x Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution Reaction	PRATIK M. PATANIYA, DR C K SUMESH, PATEL VIKAS	Faculty of Sciences	ACS Applied Energy Materials	2021	2574-0962
170	Prophylactic Treatment of Probiotic and Metformin Mitigates Ethanol-Induced Intestinal Barrier Injury: In Vitro, In Vivo, and In Silico Approaches	PATEL FARHIN MUSTAQALI, PALASH MANDAL, PAR WANI KIRTI DILIP, PATEL DHARA SURESHBHAI, PRIYASHI RAO, RAKESH RAWAL	Faculty of Sciences	Mediators of Inflammation	2021	0962-9351, 1466-1861
171	Microwave-assisted synthesis of pyrano[2,3-c]pyrazole derivatives and their anti-microbial, anti-malarial, anti-tubercular, and anti-cancer activities	PARIKH PARANJAYKU MAR HARSHADBHAII, KAUSHAL PRALHADBHAII PATEL, PATEL MRUGESHKU MAR	Faculty of Sciences	Journal of Molecular Structure	2021	0022-2860

	JAYESHBHAI, TIMANIYA JIGNESH BHARATBHAI					
172	Editorial: Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds	KUNAL JAIN, DATTA BABURAO MADAMWAR, CHIRAYU RAMESHCHAN DRA DESAI, ERIC D. VAN HULLEBUSCH	Faculty of Sciences	Frontiers in Bioengineering and Biotechnology	2021	2296-4185
173	WSe2 crystals on paper: flexible, large area and broadband photodetectors	PATEL RAHULKUMAR PARESHBHAI, DR C K SUMESH, PATEL MESWA HARSHAKUMAR, PRATIK M PATANIYA	Faculty of Sciences	Nanotechnology	2021	1361-6528
174	Wheat Growth Dependent Succession of Culturable Endophytic Bacteria and Their Plant Growth Promoting Traits	JANKIBEN KIRITBHAI PATEL, GOHEL KRUPABEN PRAVINSINH, SOLANKI TANVI SUJITBHAI, PATEL HIRAL UMESHBHAI	Faculty of Sciences	Current Microbiology	2021	0343-8651
175	'V' Shape A-D-A-Type Designed Small Hole Conductors for Efficient Indoor and Outdoor Staging from Solid DyeSensitized Solar Cells and Perovskite Solar Cell	JYOTI PRASAD, SAURABH SONI, VAIBHAV KIRITKUMAR PATEL, SHARMA DEEP SHAILESHKUMAR, HIREN K. MACHHI	Faculty of Sciences	Solar RRL	2021	2367-198X
176	Amylases from thermophilic bacteria: structure and function relationship	BHAVTOSH ANILKUMAR KIKANI, PROFESSOR S. P. SINGH	Faculty of Sciences	Critical Reviews in Biotechnology	2021	0738-8551, 1549-7801
177	Photosensitive electrocatalysts based on Ni-WS2 nanohybrids for	DR. PRATIK M PATANIYA, DR C K SUMESH, PATEL MESWA	Faculty of Sciences	Nanotechnology	2021	1361-6528

	hydrogen evolution reaction	HARSHADKUMAR, DR. DIVESH N. SRIVASTAVA				
178	Mass spectroscopy and strong decays of excited open charm DJ mesons using relativistic Dirac formalism	BHOOMIKA PANDYA, MANANKUMAR NARESHKUMAR SHAH, P. C. VINODKUMAR	Faculty of Sciences	European Physical Journal C	2021	1434-6052
179	Swertiamarin mitigates nephropathy in high-fat diet/streptozotocin-induced	PARWANI KIRTI DILIP, PALASH MANDAL	Faculty of Sciences	ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY	2021	1381-3455, 1744-4160
180	Rational design-aided discovery of novel 1, 2, 4-oxadiazole derivatives as potential EGFR inhibitors	KAUSHAL PRALHADBHAJI PATEL, MR. VISHAL UNADKAT, PARIKH PARANJAYKUMAR HARSHADBHAJI, MR. SHISHIR ROHIT, MR. VINOD SANNA, DR. SANJAY SINGH	Faculty of Sciences	Bioorganic Chemistry	2021	0045-2068
181	Linkers: A synergistic way for the synthesis of chimeric proteins	PATEL DHARTIBEN KEYURBHAI, GAYATRI A DAVE, DARSHANKUMAR HASMUKHBHAI PATEL, DHANYA MENON	Faculty of Sciences	Protein Expression and Purification	2021	1046-5928
182	Halogen-free COOH functionalized surface-active ionic liquids: surface activity, aggregation behavior, and antimicrobial activity	PATEL NIDHI NAVINBHAI, SANJAYKUMAR HEMRAJ PANJABI	Faculty of Sciences	Journal of Dispersion Science and Technology	2021	1532-2351
183	Deciphering common temporal transcriptional response during powdery mildew	AVINASH SETHI, MURALI MOHAN SHARAFF, RANBIR SAHU	Faculty of Sciences	Plant Gene	2021	2352-4073

	disease in plants using meta-analysis					
184	Influence of slip and roughness on a ferrofluid squeeze-film between a sphere and flat porous plate	JIMITKUMAR RATILAL PATEL, NITIN D. PATEL, G. M. DEHERI	Faculty of Sciences	Materials Today: Proceedings	2021	2214-7853
185	A STUDY OF THE RIGHT LOCAL GENERAL TRUNCATED M-FRACTIONAL DERIVATIVE	RAJENDRAKUMAR BABUBHAI CHAUHAN, MEERA H. CHUDASAMA	Faculty of Sciences	Communications of the Korean Mathematical Society	2021	1225-1763, 2234-3024
186	Investigating the effect of outer layer of magnetic particles on cervical cancer cells HeLa by magnetic fluid hyperthermia	BHARDWAJ ANAND, KINNARI HARSUMANBHAI PAREKH, DR.NEERAJ DEVENDRA JAIN	Faculty of Sciences	Cancer Nanotechnology	2021	1868-6958, 1868-6966
187	Precession of timelike bound orbits in Kerr spacetime	PANKAJ SHANTILAL JOSHI, DIPANJAN NIRMAL KUMAR DEY, PATEL VISHVABEN DIPESHKUMAR R, BAMBHANIYA PARTHRAJ GOBARBHAJI, JOSHI ASHOKKUMAR BABUBHAI, DIVYESH N. SOLANKI	Faculty of Sciences	The European Physical Journal C	2021	1434-6044, 1434-6052
188	Ultrasonically Exfoliated Nanocrystal-Based Z-Scheme SnSe ₂ /WSe ₂ Heterojunction for a Superior Electrochemical Photoresponse	PAYAL CHAUHAN, DR C K SUMESH, ALKESHBHAI BHIKHABHAI PATEL, VIKAS PATEL, HIREN MACHHI, V. M. PATHAK, SAURABH S. SONI, G. K. SOLANKI	Faculty of Sciences	Journal of Physical Chemistry C	2021	1932-7447, 1932-7455

189	Nanostructured copper sulphide films deposited from a precursor bath prepared using RO water	KARI FASIHA MOHAMMED SIDDIQUE, ANJANA KOTHARI	Faculty of Sciences	Nano Express	2021	2632-959X
190	Metagenomic insights into bacterial communities' structures in polycyclic aromatic hydrocarbons degrading consortia	AVANI BHARATKUMA R PATEL, DATTA BABURAO MADAMWAR, CHIRAYU RAMESHCHAN DRA DESAI, TORAL MANVAR, DR. KUNAL JAIN	Faculty of Sciences	Journal of Environmental Chemical Engineering	2021	2213-3437
191	What is known about factors improving physiotherapists' adherence to high value interventions in nonspecific low back pain? A scoping review protocol	Sweni Shah, V Prakash	Faculty of Medical Sciences	Musculoskeletal care	2021	1557-0681
192	Limited evidence exists on determinants of physiotherapists' adherence to high value interventions in nonspecific low back pain management: A scoping review	Sweni Shah, V Prakash	Faculty of Medical Sciences	Musculoskeletal care	2021	1557-0681
193	Effect of spin in the abstract of a randomised controlled trial on physiotherapists' perception of treatment benefit: a randomised controlled trial	V Prakash, Heppy Khanpara	Faculty of Medical Sciences	BMJ Evidence based medicine	2021	2515-4478
194	Effect of different wrist positions on median nerve conduction in patients with and without carpal tunnel syndrome – A comparative study	Mansi K Soni, Vidhi M Garala	Faculty of Medical Sciences	Annals of Indian Academy of Neurology	2021	1998-3549

195	Risk of Child Abuse and Its Predictors in Mothers With	Dr.Homa Patel(Homa Mosaffay Khomami), Leila Mirhadiyan, Homa TohidiNoroodi& Ehsan Kazemnezhad Leili	Faculty of Medical Sciences	Journal of Holistic Nursing and Midwifery	2021	ISSN: 2588-3712 E-ISSN:2588-3720
196	A Cross Sectional Study "Impact of Corona Virus Pandemic on Nursing Education: A Paradigm Shifting or Sustaining the Roots?"	Mahendra Kumar Saini, Shelly , Binal Joshi , Ankita Singh	Faculty of Medical Sciences	Indian Journal of Forensic Medicine & Toxicology	2021	0973-9130
197	Effect of Benson's Relaxation Therapy on Post Caesarean Section Pain and Stress: A Pilot Study	Ridhi parmar, Anjali tiwari	Faculty of Medical Sciences	Journal of Clinical and Diagnostic Research.	2021	0973-709X
198	Awareness and Perspective of Nursing Tutee on Proof Relied Enactment at Selected Nursing Colleges of Central Gujarat, India	Arpan Pandya	Faculty of Medical Sciences	Journal of Clinical and Diagnostic Research.	2021	0973-709X
199	COVID Pandemic and Connecting Nursing Students with E-Learning: Challenges for Nursing Educators –A Way Forward?	Mahendra Kumar Saini, Shelly , Binal Joshi , Ankita Singh	Faculty of Medical Sciences	Annals of the Romanian Society for Cell Biology	2021	1583-6258
200	Concept paper on Emotional Freedom Technique-Importance in Nursing	Deepak Krishnamurthy, Anil Sharma	Faculty of Medical Sciences	Indian Journal of Psychiatric Nursing	2021	2231-1505
201	Stress, Depression, Coping Strategy and Respiratory Health Status of Traffic Police at Anand District, Gujarat	Deepak Krishnamurthy, Anil Sharma	Faculty of Medical Sciences	Journal of Clinical and Diagnostic Research.	2021	0973-709X
202	Noncomputerised Circadian Interventions for Improving Working Memory Performance among Children	Rameshwari Zala, Dr. Anil sharma	Faculty of Medical Sciences	Journal of Clinical and Diagnostic Research.	2021	0973-709X

203	KNOWLEDGE AND AWARENESS OF CORONAVIRUS DISEASE-19 PROTOCOLS AMONG ANESTHESIA TECHNOLOGISTS AND TRAINEES IN WEST INDIA	WALODE, S., MORJE, K., AHMAD, M. A., DEBNATH, M., & OJHA, S	Faculty of Medical Sciences	Asian Journal of Pharmaceutical and Clinical Research	2021	2455-3891
204	A Comparison of the Effects of Spinal Anaesthesia between Sitting and Lateral Positions in Patients Undergoing Hysterectomy Surgery	Morje, K., Debnath, M., Ahmad, A. and Ojha, S	Faculty of Medical Sciences	<u>Journal of Pharmaceutical Research International</u>	2021	2456-9119
205	Coumarin-carbazole based functionalized pyrazolines: synthesis, characterization, anticancer investigation and molecular docking	Patel Mrugesh, Nilesh Pandey, Jignesh Timaniya, Paranjay Parikh, Alex Chauhan, Neeraj Jain, and Kaushal Patel.	Faculty of Medical Sciences	RSC Advances	2021	2046-2069
206	A review of methods for detecting single-nucleotide polymorphisms in the Toll-like receptor gene family	Chauhan Alex, Nilesh Pandey, and Neeraj Jain	Faculty of Medical Sciences	Biomarkers in Medicine	2021	1752-0371
207	Influence of TLR4 and TLR9 polymorphisms and haplotypes on multiple hrHPV infections and HPV16 copy number in cervical cancer and cervicitis	Pandey Nilesh, Alex Chauhan, Nitin Raithatha, Purvi Patel, Ronak Khandelwal, Ajesh Desai, Yesha Choxi, Rutul Kapadia, and Neeraj Jain.	Faculty of Medical Sciences	Microbial Pathogenesis	2021	0882-4010
208	Comprehensive review on repurposing of approved medicine in the management of COVID-19 infection	Patel Darshini, Umang Shah, Arya Patel, Sandip Patel, Mehul Patel, Ashish Patel, Swayamprakash Patel, Nilay Solanki, and Nilesh Pandey.	Faculty of Medical Sciences	Organic communications	2021	1307-6175

209	In Vitro Cytotoxicity and Aromatase Inhibitory Activity of Flavonoids: Synthesis, Molecular Docking and In silico ADME Prediction.	Shah Umang, Samir Patel, Mehul Patel, Neeraj Jain, Nilesh Pandey, Alex Chauhan, Ashish Patel, and Sandip Patel.	Faculty of Medical Sciences	Anti-Cancer Agents in Medicinal Chemistry	2021	1875-5992
210	Perceptions of Medical and Allied Health Students Towards Online Education during the COVID-19 Pandemic Phases and Its Future Impact in India	Manna Debnath, Santosh Ojha, Anupam Niraula & Dolly Sharma	Faculty of Medical Sciences	Journal of European CME	2021	2161-4083
211	Flexible Self-Powered Electrochemical Photodetector Functionalized by Multilayered Tantalum Diselenide Nanocrystals	<u>Paval Chauhan, Alkes h B. Patel, Gunvant K. Solanki, Hiren K. Machhi, Saurabh S. Soni, Vivek M. Pathak, Vikas Patel, Som Narayan, Prafulla K. Jha</u>	Faculty of Medical Sciences	Advanced Optical Materials	2021	2195-1071
212	Multi-Proxy Records of Late Holocene Flood Events From the Lower Reaches of the Narmada River, Western India	PRABHIN SUKUMARAN	Faculty of Sciences	Frontiers in Earth Science	2021	2296-6463
213	Probing the Mechanism for 2,4'-Dihydroxyacetophenone Dioxygenase Using Biomimetic Iron Complexes	ATANU BANERJEE	Faculty of Sciences	Inorganic Chemistry	2021	1520-510X
214	Influence of magnetic nanoparticles on dielectric properties of Shell oil transformer oil	Kinnari Parekh, R V Upadhyay	Faculty of Sciences	Semiconductor Physics, Quantum Electronics and Optoelectronics	2021	1605-6582
215	White Rann of Kachchh harbours distinct microbial diversity reflecting its unique biogeography	Datta Madamwar	Faculty of Sciences	Science of the Total Environment	2021	1879-1026

216	THERAPEUTIC POTENTIAL OF BIOACTIVE COMPOUNDS FROM PUNICA GRANATUM EXTRACTS AGAINST AGING AND COMPLICITY OF FOXO ORTHOLOGUE DAF-16 IN CAENORHABDITIS ELEGANS	Datta Madamwar	Faculty of Sciences	EXCLI Journal	2021	1611-2156
217	Digital camera analysis of dichlorvos by phloroglucinol and quantitate with standard colour chart in environmental water matrices – an approach	KAMESH VISWANATHA N BASKARAN	Faculty of Sciences	INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY	2021	0975-0975
218	Dynamic optimal power flow with cross entropy covariance matrix adaption evolutionary strategy for systems with electric vehicles and renewable generators	JIGAR SUBODHCHAN DRA SARDA	Faculty of Technology & Engineering	International journal of energy research	2021	0363-907X
219	Revisiting the performance of evolutionary algorithms	KARTIKBHAJ SHASHIKANT PANDYA	Faculty of Technology & Engineering	Expert Systems with Applications	2021	0957-4174
220	COMPARATIVE ANALYSIS OF DIELECTRIC STRENGTH AND ELECTRON VELOCITY IN TRANSFORMER OIL BASED NANOFLOUIDS	MIHIR A BHATT	Faculty of Technology & Engineering	Journal of Engineering Science and Technology	2021	1823-4690
221	Cervical cancer detection in pap smear whole slide images using convNet with transfer learning and progressive resizing	AMIT PRAVINCHAND RA GANATRA	Faculty of Technology & Engineering	PeerJ Computer Science	2021	2376-5992
222	An Efficient Local Block Sobolev Gradient and Laplacian Approach for Elimination of	DWEEPNA GARG	Faculty of Technology & Engineering	International Journal of Image and Graphics	2021	1793-6756

	Atmospheric Turbulence					
223	COVID-19 pulmonary consolidations detection in chest X-ray using progressive resizing and transfer learning techniques	AMIT PRAVINCHAND RA GANATRA	Faculty of Technology & Engineering	Heliyon	2021	2405-8440
224	An amalgamation of YOLOv4 and XGBoost for next-gen smart traffic management system	AMIT PRAVINCHAND RA GANATRA	Faculty of Technology & Engineering	PeerJ Computer Science	2021	2376-5992
225	Correction of Skeletal Class II Using Myofunctional Appliance: A Case Report	DWEEPNA GARG	Faculty of Technology & Engineering	CODS Journal of Dentistry	2021	2230-8695
226	Virtual screening of curcumin and its analogs against the spike surface glycoprotein of SARS-CoV-2 and SARS-CoV	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Journal of Biomolecular Structure and Dynamics	2021	1538-0254
227	Aphrodisiac and spermatogenic potential of alkaloidal fraction of Argyreia nervosa (Burm. f.) Bojer roots in male rats	NIRAJ YASHVANTRAI VYAS	Faculty of Pharmacy	Natural Product Research	2021	1478-6427
228	Collocating Novel Targets for Tuberculosis (TB) Drug Discovery	MEHUL MANUBHAI PATEL	Faculty of Pharmacy	Current Drug Discovery Technologies	2021	1875-6220
229	Nose to brain delivery of Rotigotine loaded solid lipid nanoparticles: Quality by design based optimization and characterization	JAGRUTI BRIJESH PRAJAPATI	Faculty of Pharmacy	Journal of Drug Delivery Science and Technology	2021	1773-2247
230	Simultaneous quantification of teneligliptin hydrobromide and metformin hydrochloride: An improved HPTLC method with	MEHUL MANUBHAI PATEL	Faculty of Pharmacy	Journal of Chemical Metrology	2021	1307-6183

	implementation of Plackett-Burman design					
231	Isolation, characterization and estimation of benzoxazinoid glycoside from seeds of <i>Blepharis persica</i> (Burm.f) O. Kuntze	MANAN ARUNKUMAR RAVAL	Faculty of Pharmacy	Separation Science Plus	2021	2573-1815
232	Quantification of Scopoletin from Roots of <i>Argyreia Speciosa</i> (Linn. F) Sweet Using HPLC through the Concept of Design of Experiment	MANAN ARUNKUMAR RAVAL	Faculty of Pharmacy	Journal of AOAC INTERNATIONAL	2021	1944-7922
233	Design and evaluation of microemulsion-based efinaconazole formulations for targeted treatment of onychomycosis through transungual route: Ex vivo and nail clipping studies	RASHMIN BHARATBHAI PATEL	Faculty of Pharmacy	Colloids and Surfaces B: Biointerfaces	2021	1873-4367
234	A Review on the Synthetic Approach of Marinopyrroles: A Natural Antitumor Agent from the Ocean	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Letters in Organic Chemistry	2021	1875-6255
235	Exploring the in-silico approach for assessing the potential of natural compounds as a SARS-CoV-2 main protease inhibitors	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Organic Communications	2021	1307-6175
236	Design of experiment centered multivariate optimization strategy for RP-HPLC method to quantitate retapamulin in topical cream and microemulsion	RASHMIN BHARATBHAI PATEL	Faculty of Pharmacy	Pharmaceutical Sciences	2021	2383-2886
237	Determination of Asenapine Maleate in Pharmaceutical and Biological Matrices: A Critical Review of	RASHMIN BHARATBHAI PATEL, MRUNALI	Faculty of Pharmacy	Critical Reviews in Analytical Chemistry	2021	1547-6510

	Analytical Techniques over the Past Decade	RASHMIN PATEL				
238	NANOEMULSION FOR TOPICAL THERAPY OF ACNE: OPTIMIZATION AND EVALUATION	MRUNALI RASHMIN PATEL	Faculty of Pharmacy	INDIAN DRUGS	2021	
239	EVALUATION OF DRUG-DRUG INTERACTIONS IN HOSPITALISED GERIATRIC PATIENTS AT TERTIARY CARE HOSPITAL	JALPA VASHISHTH KUMAR SUTHAR	Faculty of Pharmacy	Indian Drugs	2021	
240	Alleviating effect of Ficus racemosa in high-fat-high-fructose diet-induced non-alcoholic fatty liver disease	NILAY DHIRENKUMAR SOLANKI	Faculty of Pharmacy	Indian Journal of Physiology and Pharmacology	2021	2582-2799
241	Using Quality by Design to Develop Fixed-Dose Combination Tablets	RAJENDRA MULJIBHAI KOTADIYA	Faculty of Pharmacy	Pharmaceutical Technology	2021	
242	Inside the story about the research and development of COVID-19 vaccines	JALPA VASHISHTH KUMAR SUTHAR	Faculty of Pharmacy	Clinical and Experimental Vaccine Research	2021	2287-366X
243	Protective effects of lycopene against adenine-induced chronic renal failure in rats	NILAY DHIRENKUMAR SOLANKI, UMANG HARISHCHANDRA SHAH, ALKESHKUMAR KIRITBHAI PATEL	Faculty of Pharmacy	Indian Journal of Physiology and Pharmacology	2021	2582-2799
244	Fabrication and characterization of coblended methyl cellulose with polyvinyl alcohol electrospun nanofibers as a carrier for drug delivery system	GAYATRIBAHEEN CHHAGANBHAI PATEL	Faculty of Pharmacy	Polymer Bulletin	2021	1436-2449
245	Prevalence, Risk Factors, and Prescribing Trends in Chronic Renal Failure	JALPA VASHISHTH KUMAR SUTHAR	Faculty of Pharmacy	Journal of Pharmacology and Pharmacotherapeutics	2021	0976-5018

	in the Indian Population					
246	Synthesis of Substituted -N-(5-((7-Methyl-2-Oxo-2H-Chromen-4-yl)-Methyl)-1,3,4-Thiadiazol-2-yl)-Benzamide Derivatives using TBTU as Coupling Agent and their Evaluation for Anti Tubercular Activity	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Letters in Organic Chemistry	2021	1570-1786
247	State-of-the-art and projected developments of nanofiber filter material for face mask against covid-19	GAYATRIBAHE N CHHAGANBHAI PATEL	Faculty of Pharmacy	Recent Patents on Nanotechnology	2021	2212-4020
248	Effectiveness and safety assessment of beta-blockers, calcium channel blockers, and angiotensin receptor blockers in hypertensive patients: a prospective study	NILAY DHIRENKUMAR SOLANKI	Faculty of Pharmacy	American Journal of Cardiovascular Disease	2021	2160-200X
249	In silico analysis, synthesis and biological evaluation of DHFR inhibitors	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Folia Medica	2021	1314-2143
250	Quinoxaline As Ubiquitous Structural Fragment: An Update On The Recent Development Of Its Green Synthetic Approaches.	ASHISH DHIRUBHAI PATEL	Faculty of Pharmacy	Current Organic Chemistry	2021	1875-5348

- Books, Chapters and Conference Proceedings:**

Charusat faculties have always been motivated for involving themselves into various research activities ranging from book publication to project report. The list below are the books, chapter and papers in conference proceedings that have been written and presented by the faculties of the university in the year 2021-22.

Institute / Department	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	ISBN/IS SN number of the proceeding	Name of the publisher
CS PIT	M E	Gajanan S Patange, Zankhan Chandrakan t Sonara, Harmish Gopalbhai Bhatt	Lecture Notes in Networks and Systems - Semantic Interoperability for Development of Future Health Care: A Systematic Review of Different Technologies	-	-	Proceedings of International Conference on Sustainable Expert Systems - ICSES 2020	978-981-33-4355-9	Springer
	C L	Dr. Hiteshri Shastri	A Review of Multiple Criteria Decision-Making Methods in Reference to Water Resources and Climate Science Applications. Water and Energy Management in India	-	-	International	978-3-030-66683-5	SPRINGER NATURE
	C E	Chintan Maheshkumar Bhatt	Handbook of Research on Records and Information Management Strategies for Enhanced Knowledge Coordination	Churn Prediction and Fraud Detection in Dairy Sector Using Machine Learning	-	International	978-1-7998-6618-3	IGI Global
		Ashwinkumar Bhanuprasad Makwana	CEUR Workshop Proceedings (CEUR-WS.org)International Semantic Intelligence Conference 2021.	Efficient Reasoner Performance Prediction using Multi-label learning	-	International	1613-0073	CEUR - WS.org Sarika Jain, Sven

								Groppo
I T	Mrugendrasinh Laxmansinh Rahevar, Chintan Maheshkumar Bhatt	Handbook of Research on Applied Data Science and Artificial Intelligence in Business and Industry	Question Answering Chatbot Using Memory Networks	-	-	International	978-1-799-8-698-5-6	IGI Global
	Sneha Ashvinkumar Padhiar	Implementing Data Analytics and Architectures for Next Generation Wireless Communications	A Comparative Study on Symmetric and Asymmetric Key Encryption Techniques	-	-	International	978-1-799-8-698-8-7	IGI Global
	Hardik P Modi	Lecture Notes in Networks and Systems	Analysis and Review on Service-Oriented-Based IoT Middleware	-	-	International	236-7-337-0	Springer Nature
	Hardik P Modi	Lecture Notes in Networks and Systems	Analysis and Review on Energy Efficient Cluster-Based Routing Protocol	-	-	International	236-7-337-0	Springer Nature
	Priteshkumar Natavarlal Prajapati, Parth Dilipkumar Shah, Madhav Mukundbhai Ajwalia, Bhatt Bhumika Rasikbhai, Zalavadiya Gautam Parasotambhai	-	A Review on Recent Intrusion Detection Systems and Intrusion Prevention Systems in IoT	2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence)	2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence)	International	978-1-665-4-145-1-7	IEEE

I T / E C	Nehal Sandipkumar Patel,P Atel Sandipkumar Pankajbhai, Patel Jaimin Kaushikbhai	Lecture Notes in Networks and Systems	Interactive Chatbot for COVID-19 Using Cloud and Natural Language Processing	-	-	International	978-9-813-3-454-2-3	Springer, Singapore
	Harsh Chaudhary, Ankit Detroja, Priteshkumar Prajapati, Parth Shah	-	A review of various challenges in cybersecurity using Artificial Intelligence	2020 3rd International Conference on Intelligent Sustainable Systems (ICISS)	2020 3rd International Conference on Intelligent Sustainable Systems (ICISS)	International	978-1-728-1-708-9-3	IEEE
	Nehal Sandipkumar Patel,Patel Sandipkumar Pankajbhai, Patel Jaimin Kaushikbhai	Advances in Intelligent Systems and Computing	IoT-Based Smart Intravenous Drip Monitoring System	-	-	International	978-9-813-3-429-9-6	Springer, Singapore
	Gunjankumar Bhoi, Raj Bhavsar, Priteshkumar Prajapati, Parth Shah	-	A Review of Recent Trends on DNA Based Cryptography	Proceedings of the Third International Conference on Intelligent Sustainable Systems [ICISS 2020]	Proceedings of the Third International Conference on Intelligent Sustainable Systems [ICISS 2020]	International	978-1-728-1-708-9-3	IEEE

	Nidhi Patel, Aneri Mehta, Priteshkumar Prajapati & Jigar Biskitwala	-	Code Buddy: A Machine Learning-Based Automatic Source Code Quality Reviewing System	Congress on Intelligent Systems (CIS 2020)	Congress on Intelligent Systems (CIS 2020)	International	978-981-33-698 1-8	Springer, Singapore
	Amit Mansukhlal Parmar, Part h Dilipkumar Shah, Marakana Meet Rajeshbhai	-	Smart android application with machine learning extension to operate computer and IoT devices	2021 2nd International Conference for Emerging Technology (INCET)	2021 2nd International Conference for Emerging Technology (INCET)	International	978-1-7281-7029-9	IEEE
	Gothi Arpit Avantilal, Priyanka Pranav Patel, Mrudang Daxeshkumar Pandya	-	Underwater robotics	5th International Conference on ICT for Intelligent Systems (ICTIS – 2021)	5th International Conference on ICT for Intelligent Systems (ICTIS – 2021)	International	978-981-16-4177-0	Springer, Singapore
	Brijesh Laxmanbhai Kundaliya	Challenges of WSNs in IoT	-	-	-	-	-	-
E C / E E	Arpita Pinalkumar Patel	NON ORTHOGONAL MULTIPLE ACCESS SCHEME	-	-	-	-	-	-
	Jignesh J Patoliya, Miral Mukeshbhai Desai	Embedded Linux Based Smart Secure IoT Intruder Alarm System Implemented on BeagleBone Black	-	-	-	-	-	Springer, Singapore

	Upesh Parbhubhai Patel, Brijesh Laxmanbhai Kundaliya	The Role of Image Processing in Monitoring and Controlling Parking in Restricted Areas	-	-	-	-	-	Weser Book
	Hardik P Modi, Patel Kanubhai Ganpatbhai	Analysis and Review on Service-Oriented-Based IoT Middleware	-	-	-	-	-	Springer Nature
	Hardik P Modi, Patel Kanubhai Ganpatbhai	Analysis and Review on Energy Efficient Cluster-Based Routing Protocol	-	-	-	-	-	Springer Nature
	Upesh Parbhubhai Patel, Brijesh Laxmanbhai Kundaliya	Data Forwarding Mechanism in WSNs	-	-	-	-	-	Weser Books
	Trushit Kirtikumar Upadhyaya, Arpan Harishkumar Desai, Shah Swapnil Jikish, Patel Yesha Rakeshkumar, Gandhi Preksha Parag , Nguyen Truong Khang	Transparent Dielectric Resonator Antenna for Smart Wireless Applications	-	-	-	-	-	CRC Press
	Dhara Milan Patel, Falguni Ambalal Raval	-	A Novel HMSIW Technique Cavity Backed Dual Semi-Circular Slot Antenna	ICRADL - 2021 Conference Proceedings	International Conference on Recent Advances in Deep Learning (ICRADL-2021)	International	2278-0181	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)

	Dhara Pinkesh Patel	-	Spiral Inductor and Inter-digital Capacitor Based Coupled Resonator Bandpass Filter	International Conference on Recent Advances in Deep Learning	Online International Conference on Recent Advances in Deep Learning	International	2278-0181	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY
	Killol Vishnuprasad Pandya, Trushit Kirtikumar Upadhyaya, Upesh Parbhubhai Patel, Pandey Rajat Girjashankar, Mrs. Aneri Pandya	-	Dielectric Resonator Antenna Array Development for GSM 1800/WLAN/Radar/Direct Broadcast Satellite Applications	2nd International Conference on IoT Based Control Networks and Intelligent Systems ICICNIS 2021	2nd International Conference on IoT Based Control Networks and Intelligent Systems ICICNIS 2021	International	1556-5068	Brown Walker Press for trade and academic conference organizers
	Sagarkumar Baldevbhai Patel, Dharmendrasinh Virendrasinh Chauhan	-	An Overview of Non Orthogonal Multiple Access for Future Radio Communication	2021 International Conference on Intelligent Technologies (CONIT)	IEEE International Conference for Intelligent Technologies - CONIT 2021	International	9781-7281-8584-2	IEEE
	Hardik P Modi , Himanshu A Patel	-	Comparative Analysis of Active Contour Models on Skin Cancer Images	2nd International Conference on IoT Based Control Networks and Intelligent	2nd International Conference on IoT Based Control Networks and Intelligent	International	1556-5068	St. Joseph's College of Engineering and

				Systems ICICNIS 2021	I Netwo rks and Intellig ent Syste ms ICICNI S 2021			Techn ology
	Sagarkumar Baldevbhai Patel, Dharmendr asinh Virendrasin h Chauhan, Patel Jigar Dipeshkum ar	-	Spatial Modulation: Challenges and Potential Solutions	2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)	2021 Intern ational Confer ence on Smart Gener ation Comp uting, Comm unicati on and Netwo rking (SMA RT GENC ON)	2021 Intern ational Confer ence on Smart Generation Comp uting, Comm unication and Networking (SMA RT GENCO N)	Intern ation al	978 1- 665 4- 250 2-5
	Sagarkumar Baldevbhai Patel, Amitkumar Vinubhai Patel, Dharmendr asinh Virendrasin h Chauhan, Keyur Kamaldasji Mahant, Alpeshsinh Dudabhai Vala, Hiren Mewada	-	Impact of Antenna Spacing on Differential Spatial Modulation and Spatial Modulation for 5G-Based Compact Wireless Devices	4th International Symposium on Advanced Electrical and Communication Technologies (ISAECT21)	4th Intern ational Symp osium on Adva nced Electri cal and Comm unication Tech nologie (ISA CT21)	4th Intern ational Symp osium on Adva nced Electri cal and Comm unication Tech nologie (ISA CT21)	Intern ation al	-

	Upesh Parhubhai Patel, Killol Vishnuprasad Pandya, Trushit Kirtikumar Upadhyaya ,Brijesh Laxmanbhai Kundaliya,Arpan Harishkumar Desai , Rajat Pandey	-	3x3 Split Ring Resonators Array Inspired Defected Ground Plane Antenna for 2.4/5.5 GHz Wireless LAN Applications	2nd International Conference on Communication & Artificial Intelligence (ICCAI-2021)	2nd International Conference on Communication & Artificial Intelligence (ICCAI-2021)	International	978-981 1-909 7-57	-
	Arpita Pinalkumar Patel, Asheesh Shukla, Jaymin Bhalani	-	A Comprehensive Survey on 6G Networks: Key Technologies and Challenges	2021 International Conference on Simulation, Automation & Smart Manufacturing (SASM)	2021 International Conference on Simulation, Automation & Smart Manufacturing (SASM)	International	978-1-665 4-477 6-8	IEEE Xplore
	Kanubhai Khodidas Patel, Jignesh J Patoliya, Miral Mukeshbhai Desai	-	IoT based Smart Health Monitoring System with Patient Identification using Face Recognition	ICICC 2021: Internet of Things (IoT)	2nd International Conference on Data Analytics and Management (ICDAM-2021)	International	978-981 1-662 8-43	Elsevier
	Cong Danh Bui, Nguyen Truong Khang, Arpan Harishkumar Desai	-	A Design of ISM Band Transparent Metamaterials backed Dual Ring CPW Fed Antenna for IoT Applications	2020 IEEE Eighth International Conference on Communications and	2020 IEEE Eighth International Conference on	International	978-1-728 1-547 2-5	IEEE

				Electronics (ICCE)	Communications and Electronics (ICCE)			
	Shah Swapnil Jikish, Arpan Harishkumar Desai	-	Python and MySQL based Smart Digital Retail Management System	2021 6th International Conference for Convergence in Technology (I2CT)	2021 6th International Conference for Convergence in Technology (I2CT)	International	978-1-7281-8876-8	IEEE
	Jayshri Kulkarni, Arpan Harishkumar Desai, Neeta Kulkarni, Chow-Yen-Desmond Sim	-	A Two-Port Dual Band Microstrip Feed Based Cylindrical Dielectric Resonator Antenna Array for Sub- 6 GHz 5G and Super Extended-C Band Applications	IEEE International Conference on Communication and Computing Technology (ICCICT), June 25-27, 2021, Mumbai, India	IEEE International Conference on Communication and Computing Technology (ICCICT), June 25-27, 2021, Mumbai, India	International	978-1-6654-4716-4	IEEE
	Arpan Harishkumar Desai, Nguyen Trouong Khang, Ismail Akdag, Jayshri Kulkarni,	-	Wide Slot Circularly Polarized Conductive Oxide-based Transparent Antenna Design for ISM Band RFID Applications	2021 International Conference on Advanced Technologies for Communications (ATC)	2021 International Conference on Advanced Technologies for	International	216-2-1039	-

	Merih Palandoken				Communications (ATC)			
	Kartikbhai Shashikant Pandya, Atmiya Patel, Vipul Rajput, Dipayan Guha	Applied Mathematical Modeling and Analysis in Renewable Energy	Factors to Consider: A Review of Smart Grid Implementation in India	-	-	International	978-1-003-1-591-2-4	CRC Press
	Amit Pravinchandra Ganatra, Mohammad Husain Bohara Charusat, Khushi Anand Patel, Atufaali Imdadali Saiyed	Adversarial Artificial Intelligence Assistance for Secure 5G-Enabled IoT	Blockchain for 5G-Enabled IoT	2nd International Conference on Emerging Technologies for Computing, Communication and Smart Cities (ETCCS-2021)	International	9783-0306-7490-8	Springer International Publishing	
DEPSTAR	Jitendra Prabhakar Chaudhari, Dr.Shevprasad Kosta, Gaurangkumar Khodabhai Patel	Intelligent Manufacturing and Energy Sustainability Proceedings of ICIMES 2020	Development of Biomass Green Champo Leaf DRAM Memory Cell	Intelligent Manufacturing and Energy Sustainability Proceedings of ICIMES 2020	International Conference on Intelligent Manufacturing and Energy Sustainability	International	978-9-813-3-444-3-3	Springer publication

	Amit Pravinchandra Ganatra, Amitkumar Jaydevbhai Nayak, Nilesh Kumar Dubey, Gaurangkumar Khodabhai Patel	Computer Networks, Big Data and IoT	IoT Based Self-Navigation Assistance for Visually Impaired	Computer Networks, Big Data and IoT	International Conference on Computer networks, Big Data and IoT	International	978 9-811 6-096 5-7	Springer
	Amit Pravinchandra Ganatra, Dweepna Garg, Parth Navinchandra Goel, Binal Sagar Kaka	Communications in Computer and Information Science	Data Analysis and Forecasting of COVID-19 Outbreak in India Using ARIMA Model	Communications in Computer and Information Science	International Conference on Advanced Informatics for Computing Research	International	186 5-093 7	Springer, Singapore
	Amit Pravinchandra Ganatra, Amitkumar Jaydevbhai Nayak, Rajeshkumar Vishnubhai Patel, Chandrashekhar Suresh Pawar, Dipakkumar Jivrajbhai Ramoliya	Computer Networks, Big Data and IoT	Use of Machine Learning Services in Cloud	Data Engineering and Communications Technologies	International Conference on Computer networks, Big Data and IoT	International	978 9-811 6-096 5-7	Springer Singapore

	Vidhiben Tusharkumar Pandya	Computer Networks, Big Data and IoT	Exploration of Blockchain Architecture, Applications, and Integrating Challenges	Computer Networks, Big Data and IoT	International Conference on Computer networks, Big Data and IoT	International	978-9-8116-0965-7	Springer
	Dweepna Garg, Shivam Harshadkumar Ribadiya, Janardan Jayantibhai Bharvad	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	A Survey on Collaboration Technologies and Systems of ICT Application in the Field of Education	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	International	978-9-8116-0739-4	Springer Singapore
	Amit Pravinchandra Ganatra, Khushi Anand Patel, Rima Anantkumar Patel	Blockchain for 5G Healthcare Applications Security and privacy solutions	Security and privacy control in 5G-enabled healthcare using blockchain	-	-	International	978-1-8395-3325-9	IET - Institution of Engineering and Technology
	Mrunali Rashmin Patel, Rashmin Bharatbhai Patel	Nanotechnology in Medicine-Toxicity and Safety	-	-	-	International	978-1-119-76988-0	Wiley-Blackwell
RPCP	Ravish Janakbhai Patel	Current Challenges and Future Needs for Nanotoxicity and Nanosafety Assessment	-	-	-	International	978-1-119-76988-0	John Wiley & Sons Ltd.

	Mrunali Rashmin Patel, Rashmin Bharatbhai Patel	Nanomedicines: Applications and Toxicological Concerns (Chapter 1)	-	-	International	978-1-119-7-698-9-7	Wiley-Blackwell
	Mrunali Rashmin Patel, Rashmin Bharatbhai Patel	Toxicity, Safety, and Biodistribution of Multifunctional Mesoporous Silica Nanoparticles (Chapter 6)	-	-	International	978-1-119-7-698-9-7	Wiley-Blackwell
	Alkeshkumar Kiritbhai Patel, Samir Gunvantbhai Patel		ETHNOPHARMACOLOGICAL EVALUATION OF SOME HERBAL IMMUNOMODULATORS IN COLORECTAL CANCER WITH FOCUS ON TARGETING CANCER STEM CELLS AND METASTASIS	Gujarat Technological University, Ahmedabad, Gujarat, India	National	978-81-955306-3-2	-
	Atul Manubhai Patel	Soft Computing and its Engineering Applications	-	-	International	186-5-093-7 (Online) 186-5-092-9 (Print)	Springer, Singapore
CMPICA	Kanubhai Khodidas Patel	Soft Computing and its Engineering Applications	Quantile Regression Support Vector Machine (QRSVM) Model for Time Series Data Analysis	-	International	186-5-093-7 (Online) 186-5-092-9 (Print)	Springer, Singapore
	Deepak Garg	Soft Computing and its Engineering Applications	A Smart Card Based Lightweight Multi Server	-	International	186-5-093-7 (Online)	Springer, Singapore

			Encryption Scheme				ne) 186 5- 092 9 (Prin t)	
Dharmendra Trikamal Patel	Methodologies and Applications of Computational Statistics for Machine Intelligence	Quantitative and Visual Exploratory Data Analysis for Machine Intelligence	-	-	International	179 9- 877 0-19	IGI Global Publisher of Timely Knowledge	
Pranav Jyotishbhai Vyas	Current Approaches in Science and Technology Research	Novel and Efficient Hybrid Model for Classification of Heart Disease	-	-	International	978 9- 391 3- 126 2-6 (Onli ne) 978 9- 391 3- 125 4-1 (Prin t)	B P Internatinal	
Dharmendra Trikamal Patel	Current Topics on Mathematics and Computer Science Vol. 3	A Comparative Study of Diagnosis of Lower Back Pain Based on Classification and Imaging Techniques	-	-	International	978 9- 391 3- 123 8-1 (Onli ne) 978 9- 391 3- 123 7-4 (Prin t)	B P Internatinal	
Atul Manubhai Patel	Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development (INDIACoM)	Deep Learning Models for Image Segmentation	-	-	International	978 9- 380 5- 444 3-4 (Onli ne) 978 1-	IEEE	

						728 1- 954 6-9 (Prin t)	
Mittal Nirbhik Desai	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	Multiple Criteria Decision Making to Improve Retention Ratio of Employees by Identifying and Analyzing Critical Prevention Factor	-	-	Intern ation al	186 5- 093 7 (Onli ne) 186 5- 092 9 (Prin t)	Spring er, Singa pore
Mittal Nirbhik Desai	Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development (INDIACoM)	A comprehensive study of applying object detection methods for medical image analysis	-	-	Intern ation al	978 9- 380 5- 444 3-4 (Onli ne) 978 1- 728 1- 954 6-9 (Prin t)	IEEE
Sanskriti Vrijlal Patel	Advances in Intelligent Systems and Computing(AISC, volume 1370)	Recent Trends in WDM Passive Optical Network for Smart IoT- Based Applications	-	-	Intern ation al	186 5- 093 7 (Onli ne) 186 5- 092 9 (Prin t)	Spring er, Singa pore
Atul Manubhai Patel	e-Services	Consumer Perception of Electronic Commerce – Incorporating Trust and Risk with the Technology	-	-	Intern ation al	978 1- 838 8- 079 1-7 (Onli ne)	INTEC HOPE N LIMIT ED

			Acceptance Model				978-1-789-8-550-8-1 (Print)	
	Jaimin Navinchandra Undavia	Lecture Notes in Networks and Systems	Deep Learning for Natural Language Processing	-	-	International	186-5-093-7 (Online) 186-5-092-9 (Print)	Springer, Singapore
	Nilaykumar Mohitkumar Vaidya	Fundamental Concepts of Economics	Impact of Digital payments on Economic Development of India	-	-	National	978-93-898-40-99-5	Redshine Publication
IIIM	Nilay Pravinchandra Ganatra	Identification of an Input Attribute Bases for Reactive Services in ERP: After Product Recall	Identification of an Input Attribute Bases for Reactive Services in ERP: After Product Recall	Proceedings of The International Conference On Interdisciplinary Research in Technology And Management (IRTM, 2021)	-	International	978-1-003-20224-0	CRC Press, UK
	Atul Manubhai Patel	Prototyping Socio Economic Contributory Model of Faith Based Social Entrepreneurial Organization: A Case of Shree Santram Samadhi Sthan	Prototyping Socio Economic Contributory Model of Faith Based Social Entrepreneurial Organization: A Case of Shree Santram Samadhi Sthan (pp.118-127)	Management in the New Normal: Proceedings of International Conference (Virtual Mode) On Advances in Theory, Research & Practices in Management GLSU – ATRPM 2021	-	International	978-93-547-3-783-1	Faculty of Management, GLS University

	Shailesh Babubhai Khant	A Study on Entrepreneurship Ecosystem Development in Indian University Setup: A Project Management Perspective	A Study on Entrepreneurship Ecosystem Development in Indian University Setup: A Project Management Perspective (pp.100-108)	Management in the New Normal: Proceedings of International Conference (Virtual Mode) On Advances in Theory, Research & Practices in Management GLSU – ATRPM 2021	-	International	978-93-547-3-783-1	Faculty of Management, GLS University
	Pranav Jyotishbhai Vyas, Kuntal Lal	A Conceptual Model of Switching Behaviour: A special reference to Mobile Phone Users	-	-	-	International	978-6-204-7-319-7-1	Lap Lambe rt Academic Publishing
	Ashmita Chand	Contemporary Business Trends: Pre and Post-COVID Scenario	Analysing the Expanding Role of Data-Driven Human Resource Analytics in Organisations	-	-	-	978-9-354-3-502-6-9	Bloomsbury Publishing India Pvt. Ltd
	Sam Goundar	Magnetite Nanoparticles: An Efficient Support for Continuous Improved Biocatalysis	-	-	-	International	-	Nova Science Publishers, New York
PDPIAS	Sanskriti Vrijjal Patel	ECO-SUSTAINABLE BIOREMEDIATION OF TEXTILE DYE WASTEWATERS: INNOVATIVE MICROBIAL TREATMENT TECHNOLOGIES AND	-	-	-	International	978-2-889-7-138-0-6, 166-4-	Lausanne: Frontiers Media SA

		MECHANISTIC INSIGHTS OF TEXTILE DYE BIODEGRADATION					871 4	
	Rachana Sunilkumar Patel	ADVANCED BIOREMEDIATION TECHNOLOGIES AND PROCESSES FOR THE TREATMENT OF SYNTHETIC ORGANIC COMPOUNDS (SOCS)	-	-	-	International	978 2- 889 7- 169 8-2, 166 4- 871 4	Frontiers Media SA

Consultancy Services:

The faculties of CHARUSAT also provide consultation services to outside firms and companies as well as individual clients. This scholarly services also include corporate training to individuals and companies. This year, by extending their services, Charusat faculties have contributed in 33 projects in total and the revenue generated by the same is around ₹8,35,000.

Institute/ Department	Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
CSPIT	Dr. Hiteshri Shastri, Mr. Bhargav Shobahan, Mr. Mehul Katakiya	Rochak	CENTRE FOR ENVIRONMENT EDUCATION, AHMEDABAD, pmsu@ceeindia.org	1.42
	Dr. Dipesh Sonavia	Environment Audit	GPCB allotted Industries, ms-gpcb@gujarat.gov.in, (079) 2323 2152	44.03
CE	Ronakkumar Natvarlal Patel	Inspection Data Capture System	Rotomag Motors & Controls PvtLtd., Vadodara, Gujarat, 81289 88976	0.54
	Ashwinkumar Bhanuprasad Makwana	Swimming Pool Easy Administrator	Vallabh Vidyanagar Town Club, Vallabh Vidyanagar, 02692 230700	0.666
RPCP	Dr. Swayamprakash Patel	Lyophilized product development	Apicore Pharmaceuticals Pvt. Ltd., Dhabikuwa, Mr. Gaurav Yadav, 9712991105	0.9
	Dr. Samir Patel/ Dr. Mehul Patel	Stability studies of container	Amanta Healthcare Ltd., Ahmedabad, Dr. Chetan Sheth, 9978900838	0.35

	Dr. Swayamprakash Patel	Lyophilized product development	Apnar Pharmal Pvt. Ltd., Padra, Mr. Viral Shah, 8000844000	0.4
	Dr. Umang Shah	Cell line studies of herbalextract	Faculty of Pharmacy, Marwadi University, Rajkot, Ms. Sonal Kanani, 2817123456	0.32
	Dr. Swayamprakash Patel	Lyophilized Product Development	Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar (SPRERI), 091-2692-231332, 235011	0.06
	Dr. Swayamprakash Patel	Lyophilized Product Development	Sahajanand Medical technology pvt Ltd, +91 22 6284 4000	0.15
	Dr. Ashish Patel	Cell Line studies	Sankalchand Patel University, Visnagar, 7069006374, 8238088591	0.22
	Dr. Manan Raval	Separation of impurities-Flash Chromatography	Biochemistry Department, Faculty of Science, The Maharaja Sayajirao University of Baroda, +91-265-2795555	0.05
CMPICA	Dr. Atul Patel	TCS-ION and NSEIT	TCS-ION and NSEIT, 022-42547600 / 7748 / 7400	3.33
IIM	Dr. Pranav Desai	International Online Training Programme on Agri-Business Entrepreneurship	Vaikunth Mehta National Institute of Cooperative Management (VAMNICOM), 02025701000	2.02
KRADLE	Dr. Kinnari Parekh	XRD usage for measurement of outside samples	Individual client	0.424
		SEM usage for measurement of outside samples	Individual client	0.47
		Rheometer usage for measurement of outside samples	Individual client	0.055

		TGA/DSC usage for measurement of outside samples	Individual client	0.09
		FTIR usage for measurement of outside samples	Individual client	0.005
		DLS usage for measurement of outside samples	Individual client	0.1
		UV-VIS Spectrophotometer usage for measurement of outside samples	Individual client	0.06
		VSM usage for measurement of outside samples	Individual client	0.61
		Four-ball tester usage for measurement of outside samples	Individual client	0.125
		ANALUBE lab ICP-OES usage for measurement of outside samples	Individual client	0.56
		ANALUBE lab instruments usage for measurement of outside samples	Singlepeak Technologies Pvt. Ltd., Vadodara, 094277 84084	19.89
		ANALUBE lab instruments usage for measurement of outside samples	Pragati Pvt. Ltd., +91-9930453204	0.04
		Nano based lubricants	Lubgraf Synoils Pvt. Ltd. Ahmedabad, 079 2584 1912	
Total				77.885

Extension Services

At our university, we recognize the importance of using our expertise and resources to make a positive impact on society. Our Extension Services program embodies this commitment by providing a range of services to individuals, organizations, and communities. Over the years, our Extension Services program has grown significantly, and we have collaborated with various organizations and communities to deliver impactful programs.

Following are the details about the extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc. during the academic year 2021-22 including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organized in collaboration with industry, community and NGOs)

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Date / Year of the activity	Number of students participated in such activities
Independence Day	CHARUSAT NSS UNIT	--	15-Aug-2021	200
Webinar on Azadi Ka Amrut Mahotsav	CHARUSAT NSS UNIT	Azadi Ka Amrut Mahotsav	07-Sep-2021	360
Pledge Taking-Angdan on HonourbleShri PM's Birthday	CHARUSAT NSS UNIT	FIT INDIA	17-Sep-2021	590
E-Pledge Against Drugs	CHARUSAT NSS UNIT	FIT INDIA	18-Sep-2021	243
Blood Donation Camp of ComfyParivar at Anand-Vidyanagar	CHARUSAT NSS UNIT	FIT INDIA	20-Dec-2021	18
Republic Day	CHARUSAT NSS UNIT	Azadi Ka Amrut Mahotsav	26-Jan-2022	22
Poster presentation on 'Smart solutions for farmer distresses'	CHAMOS Department of Mechanical Engineering, EOC, CHARUSAT	--	2021	1
Develop application of aplhabets forprimary school Ghunteli	NSS-CE-IT	Unnat Bharat Abhyaan(UBA)	2021-22	2
Pledge Taking-Angdan on HonourbleShri PM's Birthday	CHARUSAT NSS UNIT	FIT INDIA	2021-22	8
Dhuleti Celebration with Class 4 employees, Security staff and Cleaning staff	CHARUSAT-CSPIT-IT	-	2022	2
Awareness program of Socialactivities for Students	CHARUSAT NSS UNIT	-	2022	30
E-pledge against drugs 2022	NSS DEPSTAR	Public Outreach Program	11/2/2022	15
Blood Donation camp	Social Club DEPSTAR	Institute level	5/3/2022	35
Tree Plantation	CHARUSAT	University level	5/6/2022	35
Education and Scholarship Schemes-Awareness program	NSS Unit, RPCP, CHARUSAT	-	2021-22	10
Smoking and Tobacco De-addiction-Awareness program	NSS Unit, RPCP, CHARUSAT	Poshan Maah	2021-22	64

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Date / Year of the activity	Number of students participated in such activities
Blood Donation	IIIM NSS	FIT INDIA	2021-22	4
Wall of Kindness	IIIM NSS	-	2021-22	22
Nari tu Narayani - Women's Day HSS IIIM	IIIM NSS	-	2021-22	10
Saheed Din - Skit Performance (IIIM)	IIIM NSS	Azadi Ka Amrut Mahotsav	2021-22	4
Visit to Ashiyaana by NSS Volunteers	IIIM NSS	-	2021-22	12
Visit to Ashiyaana by Faculty Members	IIIM NSS	-	2021-22	5
AKAM - Corona Awareness & Activities at B.A.Patel Highschool, Changa by PDPIAS Students	NSS PDPIAS	AZADI KA AMRIT MAHOTSAV	26th February 2022	43
The celebration of 8th International day of Yoga	NSS PDPIAS	AZADI KA AMRIT MAHOTSAV	21st June 2022	239
Community Camp, Sanjaya	ARIP	NA	2022	1
Community Camp, Bandhni	ARIP	NA	2022	1
Community Camp, Padghol	ARIP	NA	2022	1
Community Camp, Demol	ARIP	NA	2022	1
Community Camp, Kasor	ARIP	NA	2022	1
Community Camp, Porda	ARIP	NA	2022	1
Community Camp, Mahelav	ARIP	NA	2022	1
Community Camp, Petli	ARIP	NA	2022	1
Community Camp, Deva	ARIP	NA	2022	1
Community Camp, Malataj	ARIP	NA	2022	1
Community Camp, Rampur	ARIP	NA	2022	2
Community Camp, Gangapur	ARIP	NA	2022	2
Community Camp, Ramol	ARIP	NA	2022	3
Community Camp, Sihunj	ARIP	NA	2022	3
Community Camp, Mahudha	ARIP	NA	2022	2
Community Camp, Sunav	ARIP	NA	2022	4
Community Camp, Mahudha	ARIP	NA	2022	2
Community Camp, Karoli	ARIP	NA	2021	3
Community Camp, Mitrail	ARIP	NA	2021	2
Community Camp, Akhdol	ARIP	NA	2021	2
Community Camp, Piplag	ARIP	NA	2021	2
Community Camp, Bandhni	ARIP	NA	2021	3
Community Camp, Mahelav	ARIP	NA	2021	2

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Date / Year of the activity	Number of students participated in such activities
Community Camp, Valetva	ARIP	NA	2021	2
Community Camp, Dabhou	ARIP	NA	2021	2
Community Camp, Deva	ARIP	NA	2021	2
Community Camp, CMOC, Piplag	ARIP	NA	2021	2
Community Camp, Petli	ARIP	NA	2021	2
Community Camp, Changa	ARIP	NA	2021	2
International Yoga Day celebration	MTIN	NA	2021	23
Celebration of ORS week2021	MTIN	NA	2021	23
celebration of breastfeeding week 2021	MTIN	NA	2021	5
Health talk on prevention of accident	MTIN	NA	2021	36
PHC Visit	MTIN	NA	2021	60
Anganwadi Visit	MTIN	NA	2021	60
Village leader Metting	MTIN	NA	2021	60
ASHA Worker meeting	MTIN	NA	2021	40
Exhibition postnatal care and family planning	MTIN	NA	2021	30
Demonstration on NICU care	MTIN	NA	2021	36
Role play on diabetes an hypertension	MTIN	NA	2021	60
Poster Exhibition on communicable diseases and life style diseases	MTIN	NA	2021	59
National Nutrition week celebration	MTIN	NA	2021	59
Health talk on care of pre-term	MTIN	NA	2021	4
Mass awareness drive on nutritious food	MTIN	NA	2021	30
Health talk on weaning and G&D	MTIN	NA	2021	36
Exhibition on Digital Health	MTIN	NA	2021	30
Exhibition on Comprehensive Maternal Care	MTIN	NA	2021	29
health talk on Immunization and prevention of water born diseases	MTIN	NA	2021	30
Health Awareness cum yoga session	MTIN	NA	2022	31
Health Survey_Sihol	MTIN	NA	2022	58
Awareness of eye Disorders	MTIN	NA	2022	12
Role Play on Menstrual Hygiene Awareness	MTIN	NA	2022	22

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Date / Year of the activity	Number of students participated in such activities
School Health programme_Sihol	MTIN	NA	2022	59
Anganwadi Assessment Programme	MTIN	NA	2022	58
Exhibition on TB elimination cum sensitization	MTIN	NA	2022	58
Noncommunicable Diseases Screening Camp	MTIN	NA	2022	58
Role play on TB elimination cum sensitization	MTIN	NA	2022	58
Eye Donation Awareness	MTIN	NA	2022	12
Poster exhibition on myths and misconceptions of Mental Illness	MTIN	NA	2022	58
Installation of Echo Friendly Bird feeders and water pots	MTIN	NA	2022	16
Health Awareness of postnatal Care	MTIN	NA	2022	13
Role play on FP methods	MTIN	NA	2022	20
Health talk on Effective childhood	MTIN	NA	2022	24
"14th April: World Chagas Disease Day"	MTIN	NA	2022	8
"25th April: World Malaria Day"	MTIN	NA	2022	13
"24th – 30th April: International Immunization week"	MTIN	NA	2022	13
Exhibition on International Day Against on Drug Abuse and illicit trafficking	MTIN	NA	2022	29
role play on international day against drug abuse & Illicit trafficking mass awareness	MTIN	NA	2022	31
International Yoga Day celebration - 2022 health awareness program	MTIN	NA	2022	30
Telehealth program for preventive health care in villages	Charusat	Community Outreach	2022	17
Special Olympic Bharat	Karnvati University	Eye screening program	2022	25

Events Participated

This section of the annual report highlights the various events and conferences that our faculty members have attended, presented, or organized throughout the year. These events provide opportunities for our staff members to share their expertise and research, network with peers, and stay up-to-date on the latest developments in their respective fields.

Name of Employee	Event Type	Event Title
Chandubhai S Patel Institute of Technology		
PUNIT BABUBHAI PATEL	Conference	3rd International Conference (Online) on Contemporary Advances in Mechanical Engineering
KAMLESH V CHAUHAN	Conference	Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021)
DATTATRAYA GANPATRAO SUBHEDAR	Conference	Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021)
GAJANAN S PATANGE	Conference	2nd International Conference on Industrial and Manufacturing Systems (CIMS-2021)
GAJANAN S PATANGE	-	Advances In Mechanical Engineering (ICAME-2022) June 23-25, 2022
ABHISHEK SWARNKAR	Conference	48th NATIONAL CONFERENCE ON FLUID MECHANICS AND FLUID POWER
BHAVIN HAreshkumar MEHTA	Conference	International Conference of Applied Research and Engineering, (ICARAE-2021)
	Conference	International Conference on Advances in Materials and Mechanical Engineering
SATAYU CHANDRASHEKHAR TRAVADI	-	Faculty Development Programme at Aerzen Machines Pvt. Ltd.
AXAT VIJAYKUMAR PATEL	Conference	Fourth International Conference on Materials Science and Manufacturing Technology (ICMSMT 2022)
MEGHA JEMIN DESAI	Certificate Course	Certificate course on "Green Built Environment"
GARGI KETUL RAY	Certificate Course	Certificate course on "Green Built Environment"
NIRPEX AMRUTLAL PATEL	-	Laboratory Management System & Internal Audit as per ISO / IEC 17025:2017
	-	Uncertainty Measurements
SARASWATI CHANDRAPALSINGH PATHARIYA	-	Laboratory Management System & Internal Audit as per ISO / IEC 17025:2017
	-	Uncertainty Measurements
MEHULKUMAR PRAVINBHAI KATAKIYA	-	Uncertainty Measurement
	-	Laboratory Management System & Internal Audit as per ISO / IEC 17025:2017
VIPUL HARSHADBHAJI VYAS	-	Laboratory Management System & Internal Audit as per ISO / IEC 17025:2017
	-	Uncertainty Measurements
RONAKKUMAR NATAVARLAL PATEL	Conference	Fifth International conference "World conference on smart trends in systems, security and sustainability
	Conference	Sixth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2021)
CHINTAN MAHESHKUMAR BHATT	Conference	6th International Conference on Micro-Electronics, Electromagnetics and Telecommunications
DHAVALKUMAR AMBALAL BHOI	Conference	International Conference on Artificial Intelligence: Theory & Applications, AITA-2021
TRUSHA RONAKKUMAR PATEL	-	Python Programming for Beginners

Name of Employee	Event Type	Event Title
SANKETKUMAR BHARATBHAI SUTHAR	Conference	The 3rd International Conference on Machine Learning and Intelligent Systems (MLIS 2021)
HEMANT NANDLALBHAI YADAV	Conference	2nd International Conference on Information Technology, Theme:Computational Intelligence
BIMAL HARIVADAN PATEL	Conference	THIRD INTERNATIONAL CONFERENCE ON INTERNET OF THINGS (ICIoT-2022), 5 - 7 April, 2022
NIRAV HASMUKHRAI BHATT	Conference	International Conference on Electronic Circuits and Signalling Technologies ICECST 2022
JALPESH HARKISHANBHAI VASA	Conference	2nd International Conference on Sentiment Analysis and Deep Learning
ARPITA PINALKUMAR PATEL	Conference	International Conference (Virtual Mode) on Simulation, Automation & Smart Manufacturing (SASM 2021)
DHARMENDRASINH VIRENDRASINH CHAUHAN	Conference	IEEE 2021 International Conference on Smart Generation Computing, Communication and Networking (SMARTGENCON)
ARPAN HARISKUMAR DESAI	-	Foundations of Machine Learning and Applications (FMLA)
AMITKUMAR VINUBHAI PATEL	Conference	International Conference on Optical and Wireless Technologies 2021 (OWT2021)
ALPESHSINH DUDABHAI VALA	Conference	International Conference on Emerging Technology Trends in Electronics, Communication and Networking
UPESH PARBHUBHAI PATEL	Conference	International Conference on Communication & Artificial Intelligence (ICCAI-2021)
TRUSHIT KIRTIKUMAR UPADHYAYA	-	4G Communication Radiation effects on propagation of an economically important crop of Eggplant (<i>Solanum melongena L.</i>)
KILLOL VISHNUPRASAD PANDYA	Conference	6th International Conference on ICT for Intelligent Systems (ICTIS – 2022)
Mihir A Bhatt	Conference	1st International Conference on Additive Manufacturing and Advanced Materials (AM2)
JIGAR SUBODHCHANDRA SARDA	Conference	10th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022)
Devang Patel Institute of Advance Technology and Research (DEPSTAR)		
MOHAMMAD HUSAIN BOHARA	Conference	3rd International Conference on Integrated Intelligent Computing Communication & Security
DWEEPNA GARG	Conference	IEEE INTERNATIONAL CONFERENCE FOR ADVANCEMENT IN TECHNOLOGY,(ICONAT)
NILESH KUMAR DUBEY	Conference	Sixth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2021) in concurrent with Sixth International Conference on Smart Trends in Computing and Communications
PARTH NAVINCHANDRA GOEL	Conference	4th International Conference On Smart Systems And Inventive Technology (ICSSIT 2022)
RADHIKA BHARATBHAI PATEL	Conference	3rd International Conference on Data Science, Machine Learning & Applications
KHUSHI ANAND PATEL	Conference	5th International Conference on Intelligent Sustainable Systems (ICISS 2022)

Name of Employee	Event Type	Event Title
Ramanbhai Patel College of Pharmacy		
JALPA VASHISHTHKUMAR SUTHAR	Conference	2nd Annual conference on Pharmacology and Applied Toxicology
	Conference	7 th INTERNATIONAL CONFERENCE on CLINICAL PHARMACY
	-	Good Clinical Practice and Ethical Concerns in Human Research
AVANI BHARATKUMAR CHOKSHI	-	Accreditation and Outcome based Learning
	Conference	25th National Convention of Society of Pharmacognosy
NIRAJ YASHVANTRAI VYAS	Conference	25th National Convention of Society of Pharmacognosy & International Conference on "New Horizons of Natural Products and AYUSH Remedies"
KANANKUMARI GAMANLAL GAMIT	Conference	International Conference on "New Horizons of Natural Products and AYUSH Remedies"
NILAY DHIRENKUMAR SOLANKI	Conference	Two day virtual 15th INDO-US Conference "Global advances in Pharmaceutical and Allied sciences"
	Symposium	"Combating Cancer: Biology to Therapy to Drug Resistance" and An International Symposium on: Cancer & Stem Cells
Chandaben Mohanbhai Patel Institute of Computer Applications		
KRISHNA KANT	Conference	Sixth International Conference on Information and Communication Technology
ABHILASH MAHESHKUMAR SHUKLA	Conference	3rd International Conference on Data Science, Machine Learning & Applications
JAIMIN NAVINCHANDRA UNDAVIA	Conference	INTERNATIONAL CONFERENCE ON ADVANCES IN DATA SCIENCE CHALLENGES WITH BIG DATA ANALYSIS
MITTAL NIRBHIK DESAI	-	Intelligent classification of documents based on critique points from relevant web scrapped content
SHAILESH BABUBHAI KHANT	Conference	INTERNATIONAL CONFERENCE ON INNOVATIVE PRACTICES IN TECHNOLOGY AND MANAGEMENT 2022
SANSKRUTI VRIJLAL PATEL	Conference	6th International Conference on Trends in Electronics and Informatics ICOEI 2022
SHAILESH BABUBHAI KHANT	Conference	4th International Conference on Intelligent Engineering and Management in Association with IEEE United Kingdom and Ireland Section
KANUBHAI KHODIDAS PATEL	Conference	2022 IEEE World Conference on Applied Intelligence and Computing (AIC)
Indukaka Ipcowala Institute of Management		
Dr. Reshma Sable	Conference	International Conference on Engineering, Social-Science and Humanities
Dr. Pranav Desai	FDP	Online FDP on Pedagogy and Research Methodology
	STTP	AICTE Sponsored STTP on Entrepreneurship Course Curriculum Design and Development
	FDP	FDP on Multivariate Data Analysis SPSS
Dr. Rajesh Sadhwani	STTP	AICTE Sponsored STTP on Entrepreneurship Course Curriculum Design and Development
	-	NISM - Series XV Research Analyst Certification

Name of Employee	Event Type	Event Title
	Conference	International Conference on "Technology Business in ESG"
	-	"Multivariate Data Analysis using SPSS"
Dr. Binit Patel	FDP	FDP on Data Analysis using Statistical Tools and Econometrics Techniques
Mr. Snehal Bhatt	-	Multivariate Data Analysis using SPSS
	FDP	Online FDP on Research, Design, Methods and Analysis
Dr. Vijay Makwana	FDP	FDP by Teaching Learning Centre
	Conference	Virtual International Conference
	Colloquium	International Colloquium on Recent Advancement in Accounting Management Communication and Teaching
P D Patel Institute of Applied Sciences		
Dr. Seema Amin	-	Training of Assessors for assessment of Environment Auditing Bodies
	-	Microbiology and Society : Current Trends and Future Prospects Microbes and Society: Current Trends and Future Prospects (MSCTFP-2022)
Dr. Jimit Patel	Conference	2nd International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2021)
	FDP	One week Faculty Development Programme on "Academic Research Writing"
Dr. Bragdish Iyyer	Conference	International Conference on Biotechnology for Resource efficiency, energy, environment, chemicals and health
Dr. Manan Shah	Workshop	Workshop on Fabrication and characterization of electronic devices
Dr. Sanni Kapatel	Workshop	Workshop on fabrication and characterization of electronic devices
Dr. Yogeshwari Patel	-	Recent Development in Numerical Methods for Partial differential Equations
Mr. Rajendra Chauhan	-	Numerical Methods in Engineering and Physical Science with MATLAB
Dr. Pragnesh Makwana	-	Numerical Methods in Engineering and Physical Science with MATLAB
Dr. Rucha Desai	-	AMSCO-2021
Ashok and Rita Patel Institute of Physiotherapy		
Vidhi Thakar	-	Rehab-E-Con-2022
Mansi Soni	-	IFNR 2022
Balaganapathy Muruganathan	Conference	59th IAP National Conference 2022, Kolkata
Sweni Atulkumar Shah	-	World Physiotherapy Asia Western Pacific Regional Congress 2022
Dr Sapna Patel	-	On-site skill standardization and simulation training
Dr Anjali Tiwari	-	
Ms. Rameshwari Zala	-	
Ms. Angelina Makwana	-	
Dr. Deepak Krishnamurthy	Conference	20th Annual Conference of ISPN 2021
Ms. Franny Emmanuel	-	Hallmark of excellence in nursing research

Professional Development Programmes (organised by various institute/departments of CHARUSAT)

Following are the details about the professional development / administrative training programmes organized by the institution for teaching and non-teaching staff during the year

Title of the Professional Development Program	Event From	Event To	No. of Participants	Department
Recent trends in coatings and thin film	24/07/2021	25/09/2021	21	ME
Document processing software-LyX	23/04/2022	23/04/2022	19	
Industry Interaction at SUZLON Energy Ltd. and SUJAY Engineers	30/04/2022	30/04/2022	4	
Expert Lecture on Ready Mixed Concrete - Manufacturing and Quality Assurance	14/08/2021	14/08/2021	53	CL
Webinar series on "Recent Advances in Structural Engineering"	6/9/2021	9/9/2021	2	
FDP on Emerging Trends in Geotechnical Engineering	6/9/2021	10/9/2021	156	
Expert lecture on "An Introduction to BIM Platform"	30/10/2021	30/10/2021	52	
One day Seminar on "Prospects and Challenges in IPR"	9/11/2021	9/11/2021	22	
One Day workshop on "Mapping & Surveying using Total Station"	2/4/2022	2/4/2022	35	
Webinar on "Green Buildings - The Way Forward"	8/4/2022	8/4/2022	38	
Expert Lecture on Structure Design: From institute to Industry	12/5/2022	12/5/2022	18	
Continuous Integration & Continuous Deployment (CICD) Using Jenkins	12/1/2021	12/1/2021	30	CE
IPR for Computer Related Innovations	26/03/2022	26/03/2022	20	
FDP on "Hands-on Training on DevOpS tools using AWS"	22/11/2021	24/11/2021	21	IT
Introduction to Python Programming	5/1/2022	6/1/2022	82	EC
Workshop on "Java Programming" in Collaboration with IETE	19-01-2022	22-01-2022	66	
Applications of AI in Future Wireless Communication	26-08-2021	28-08-2021	40	
One Day Workshop on "Fun with Arduino C Programming"	19-11-2021	19-11-2021	72	
Electrical Vehicle: Chanllanges and Solution	13-04-2022	13-04-2022	67	EE
Docker Basics and Models Training Nvidia DGX A100 Station	10/12/2021	11/12/2021	30	Depstar
Hands-on Training on "NVIDIA Jetson NANO and Drones"	29-03-2022	31-03-2022	16	
Full stack Application Development using Flutter	10/9/2021	10/9/2021	101	
"ORIGINATE" A Digital Innovation Hackathon	21-08-2021	22-08-2021	97	
Styling with Flutter	29-09-2021	29-09-2021	87	
Introduction to Android Internals	1/10/2021	1/10/2021	129	
Basic Python Libraries	14-10-2021	14-10-2021	68	
Basics of Python Programming	5/10/2021	5/10/2021	212	
Workshop on Advanced Microsoft Word	9/10/2021	9/10/2021	163	
Poster Making Competition	2/10/2021	3/10/2021	21	
Fundamentals of JavaScript	9/10/2021	9/10/2021	30	
Blockchain: Introduction to Application	28-02-2022	3/3/2022	94	

Title of the Professional Development Program	Event From	Event To	No. of Participants	Department
Introduction To SAAS	2/4/2022	2/4/2022	105	
NEXTJS – The React Framework	6/10/2021	6/10/2021	68	
Hands on Big Data	30-10-2021	30-10-2021	44	
Hands on Session on Git and GitHub	9/10/2021	9/10/2021	96	
CHARUSAT Endowment Chair activity on Theme Perspective in phytopharmacy	20-06-2022	24-06-2022	94	RPCP
Workshop on Emerging Trends and Techniques in Drug Design and Discovery	18-04-2022	20-04-2022	48	
Cosmeceuticals- The New Face of Health and Personal Care	21-01-2022	22-01-2022	64	
GSPC sponsored Refresher Course for Registered Pharmacists	4/12/2021	5/12/2021	246	
2021 3rd International Conference on Soft Computing and its Engineering Applications (icSoftComp2021)	10/12/2021	11/12/2021	203	CMPICA
Knowledge Sharing Session(s)	8/1/2022	12/3/2022	64	
Workshop on "Machine Learning and Deep Learning for Computer Vision"	21-02-2022	22-02-2022	102	
Publishing impactful research in journals: An international dialogue	9/10/2021	9/10/2021	155	
Strengthning Research Planning and Execution Skills: Improvising Research Planning Skills using Elsevier Tools	15-11-2021	15-11-2021	507	IIIM
Strengthning Research Planning and Execution Skills: Identifying Fake, Cloned, Predatory Journals in Academics	15-11-2021	15-11-2021	507	
Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	33	
Online Trading System and Capital Market Awareness	21-10-2021	21-10-2021	577	
MARKET KA EKLAVYA - Basics of Stock Investment	10/6/2022	10/6/2022	70	IIIM
Building Capacity for Research and Consultancy for Finance Faculty Members	28-05-2022	28-05-2022	5	
Building Capacity for Research and Consultancy for HR and Marketing Faculty Members	28-05-2022	28-05-2022	13	
Problem Solving in Mathematics	1/7/2021	1/7/2021	48	
Scope of Career in Data Science and Artificial Intelligence through Mathematics	7/8/2021	7/8/2021	86	PDPIAS
International Symposium on Recent Advances in Fractional Calculus (ISRAFC – 2021)	30-09-2021	1/10/2021	329	
Application of Advance Mathematics in Real-World Problem	9/10/2021	9/10/2021	126	
Mathematics in Science and Engineering	8/1/2022	8/1/2022	382	
International Conference on Emerging Trends in Biological Sciences (ICETBS-2022)	9/1/2022	11/1/2022	799	PDPIAS
Endowment chair lectures on "Microfluidics"	8/3/2022	9/3/2022	116	
One Dimensional Wave Equation: Solution and Simulation	2/4/2022	2/4/2022	31	
A Special Lecture on "Some topics in Differential Geometry"	2/4/2022	2/4/2022	31	

Title of the Professional Development Program	Event From	Event To	No. of Participants	Department
Mathematics for Artificial Intelligence, Data Science and Machine Learning	8/4/2022	8/4/2022	175	
Bringing Mathematics and Engineering Together	30-04-2022	30-04-2022	394	
Data Science-Tools and Job Opportunities	14-05-2022	14-05-2022	175	
ARIP Adjunct Faculty Webinar Series	16-03-2022	1/4/2022	18	ARIP
Nurse-led Mental health clinic	7/Sep/2021	7/Sep/2021	21	MTIN
Protocol for conducting RCT	7/Oct/2021	7/Oct/2021	68	
Proposal writing for funding and nurse-led diabetic clinic	21-07-2021	22-07-2021	43	
OSCE/OSPE	26-07-2021	29-07-2021	24	
Nurse-led community programmes	31-07-2021	31-07-2021	21	
TB elimination cum sensitization	27-12-2021	27-12-2021	21	
Good clinical practice and ethical concerns in human research	18-04-2022	19-04-2022	21	
Community need assessment approach	28-05-2022	28-05-2022	164	
Soft Skill Training under the theme, "Building Better Relations and Communication Skills"	07/06/2021,	9/6/2021	259	HRDC
Soft Skill Training under the theme, "Improve Accountability"	10/06/2021,	12/6/2021	241	
Basic English and Soft Skills Training (BEST) - A Training Programme for Non-teaching staff members	10/12/2021	30-12-2021	8	
Importance of Teaching and Learning"- Programme for Teachers having 0-5 years of teaching experience.	23-05-2022	28-05-2022	42	
'Outcome Based Education'	Mon.	to	60	
e-GOVERNANCE AND it's MODULES	6/6/2022	11/6/2022	42	
"Soft Skill Training Programme for CDPC Members"	04-05-2022,	14-05-2022	32	
"Importance & Benefits of Housekeeping"	7/5/2022	7/5/2022	35	

Following are the details about the teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the year which includes Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.

Name of the Employee	Title of the program	Duration from	Date to	Dept.
ABHISHEK SWARNKAR	Advances in Fluid, Heat and Mass Transfer	5/7/2021	9/7/2021	ME
	FUTURE TRENDS IN GREEN ENERGY TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT	25-10-2021	29-10-2021	
	Renewable Energy Renewable Energy Integration Using AI and Bigdata Analytics	15-11-2021	19-11-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	We-'CARE' Counselling Activities for all-Round Student Empowerment	5/7/2021	9/7/2021	
AKASH VISHNUPRASAD VYAS	Advances in Metal and Multimaterial 3DPrinting	16-07-2021	20-07-2021	
	Innovation in Materials for Advancements in Mechanical Industries	17-01-2022	21-01-2022	
	Industrial Exposure Training duringsummer vacation	20-06-2022	25-06-2022	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	18-09-2021	9/10/2021	
ANAND PURSHOTAMBHAI PATEL	Electric Vehicles & Energy Storage Systems integrated with RenewableEnergy Sources	23-08-2021	27-08-2021	
	FSEV Concept Challenge	29-07-2021	08-04-2021	
	Virtual at FORMULA BHARAT 2021-2022 (FBV 21-22)	17-09-2021	11-02-2021	
	Formula Bharat 2022	21-01-2022	25-01-2022	
BHAVIN HARESHKUMAR MEHTA	FUTURE TRENDS IN GREEN ENERGYTECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT	25-10-2021	29-10-2021	
	Renewable Energy Integration Using Aland Bigdata Analytics	15-11-2021	19-11-2021	
	Processing of Novel Materials	22-11-2021	26-11-2021	
	WE CARE counselling activities for all-Round student empowerment	5/7/2021	9/7/2021	
	Outcome Based Education	27-06-2022	1/7/2022	
DATTATRAYA GANPATRAO SUBHEDAR	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Buried Energy for Conservation and Energy Management"	6/9/2021	10/9/2021	
	Design, Synthesis and Characterizationof Novel Materials	25-10-2021	29-10-2021	
	Authentic Leadership and Excellence	22-11-2021	26-11-2021	
	Five Days (Online) Faculty DevelopmentProgram on "Innovation in Materials for Advancements in Mechanical Industries"	17-01-2022	21-01-2022	
	Energy Conservation & EnergyManagement	6/1/2022	12/1/2022	
	AICTE Recognized Faculty Development Programmeon Nanotechnology for electronic andphotonic devices	6/6/2022	10/6/2022	
	Outcome Based Education	27-06-2022	1/7/2022	
	SST Phase 05, 'We CARE'	07-07-2021	07-02-2022	
DIPALKUMAR M PATEL	Processing of Novel Materials	22-11-2021	26-11-2021	
	Mechatronics	23-05-2022	27-05-2022	
	Outcome Based Education	27-06-2022	1/7/2022	
GAJANAN S PATANGE	NBA Accreditation Process	23-08-2021	28-08-2021	
	Five Days Virtual Short Term Training Program (STTP) on "Recent Trend In Manufacturing Industries"	31-08-2021	4/9/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Entrepreneurship Awareness Program	14-09-2021	18-09-2021	
	Innovations in material for advancementin Mechanical Engineering	17-01-2022	22-01-2022	
	ASSISTANCE YOGA TEACHERTRAINING COURSE (AYTTC)	1/8/2021	30-11-2021	
	Outcome-Based Education	27-06-2022	1/7/2022	
GAURANG ARVINDBHAI PATEL	3D Printing & Design	8/11/2021	12/11/2021	
	Processing of Novel Materials	22-11-2021	26-11-2021	
	'We - CARE" (Counselling Activity for all-Round Empowerment)	5/7/2021	9/7/2021	
	Automobile Engineering: Past, Present& Future	21-12-2021	28-12-2021	
	We care	18-09-2021	10-09-2021	
HARMISH GOPALBHAI BHATT	AICTE - ISTE approved orientation/ refresher programme on "Advances inmaterial processing and Characterization"	5/1/2022	11/1/2022	
	AICTE - ISTE sponsored FDP on "Automobile engineering : Past, Presentand Future"	21-12-2021	28-12-2021	
KAMLESH V CHAUHAN	"Buried Energy for Conservation andEnergy Management	6/9/2021	10/9/2021	
	Nanoscience for Nano materials"	20-09-2021	24-09-2021	
	"Design, Synthesis and Characterizationof Novel Materials"	25-10-2021	29-10-2021	
	Innovation in Materials for Advancements in Mechanical Industries	17-01-2022	21-01-2022	
	Energy Conservation & EnergyManagement	6/1/2022	12/1/2022	
	Nanotechnology for electronic andphotonic devices	6/6/2022	10/6/2022	
	We-'CARE' Counselling Activities forall-Round Student Empowerment	18-09-2021	9/10/2021	
	Outcome Based Education	27-06-2022	1/7/2022	
KUNDAN MOHANBHAI PATEL	NANOTECHNOLOGY: MATERIALS,CHARACTERIZATION, SYNTHESIS AND APPLICATIONS	09-06-2021	09-10-2021	
	Processing of Novel Materials	22-11-2021	26-11-2021	
MADHAV NITINBHAI OZA	Mechatronics	23-05-2022	27-05-2022	
	Processing of Novel Material	22-11-2021	26-11-2021	
MAULIK V SHAH	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-09-2021	9/10/2021	
	Sustainable Green Composites: Design,Manufacturing and Characterization	9/8/2021	13-08-2021	
MAYURKUMAR PRAVINCHANDRA SUTARIA	Application of Statistical tools and Modelling in Engineering and Science	7/3/2022	13-03-2022	
	3D PRINTING AND DESIGN	20-09-2021	24-09-2021	
NIPUN DILIPKUMAR GOSAI	Processing of Novel Material	22-11-2021	26-11-2021	
	Automobile Engineering: Past, Presentand Future	21-12-2021	28-12-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
PUNIT BABUBHAI PATEL	FDP on Artificial Intelligence in Designand Manufacturing	26-07-2021	30-07-2021	
	Recent Trend In ManufacturingIndustries	31-08-2021	4/9/2021	
	Composites and nano Materials	13-12-2021	17-12-2021	
	" Automobile Engineering: Past, Present& Future"	21-12-2021	28-12-2021	
	NPTEL course on Product Design andDevelopment	20-09-2021	25-09-2021	
RANDHAWA KAWALJITSINGH MANSINGH	Soft Skill Training programme Phase 05 - We CARE	18-09-2021	22-09-2021	
RUGNESHKUMAR RAMESHBHAI PATEL	Sustainable Green Composites: Design,Manufacturing and Characterization	9/8/2021	13-08-2021	
	"Additive Manufacturing: From 3DPrinting to the Factory Floor"	23-08-2021	28-08-2021	
	ADVANCES IN NOVEL COMPOSITEMATERIALS: FABRICATION, ANALYSIS AND OPTIMIZATION	6/9/2021	10/9/2021	
SAGAR RAMCHANDRA CHOKSHI	Designing Intelligent systems	5/7/2021	9/7/2021	
	Sustainable Green Composites: Design,Manufacturing and Characterization	9/8/2021	13-08-2021	
	ADVANCES IN NOVEL COMPOSITEMATERIALS: FABRICATION, ANALYSIS AND OPTIMIZATION	6/9/2021	10/9/2021	
	ENGINEERING GRAPHICS	30-08-2021	3/9/2021	
	We care	18-09-2021	9/10/2021	
SATAYU CHANDRASHEKHAR TRAVADI	Automobile Engineering: Past, Presentand Future	21-12-2021	28-12-2021	
SUJALKUMAR VINODKUMAR DADHANIYA	Redemption from Plastic Pollution:Indian Railways	5/7/2021	9/7/2021	
VIJAYKUMAR PREMJIBHAI CHAUDHARY	Outcome Based Education	27-06-2022	1/7/2022	
VIKAS HASMUKHBHAI PANCHAL	Automobile Engineering: Past, Present& Future	21-12-2021	28-12-2021	
VIRAL DHIRAJLAL PANARA	Advancement in Material ProcessingTechnologies	9/8/2021	13-08-2021	
VISHAL RAJENDRABHAI MEHTA	Five Days (Online) International Faculty Development Programme on "Innovation in Materials for Advancements inMechnaical Industries"	17-01-2022	21-01-2022	
	Industry 4.0	31-01-2022	4/2/2022	
	Powder Metallurgy and Metal CastingProcess	6/6/2022	11/6/2022	
	Mechatronics	23-05-2022	27-05-2022	
ZANKHAN CHANDRAKANT SONARA	3D Printing Technology	12/7/2021	16-07-2021	
ANKIT JAYESHKUMAR WANKAWALA	FDP on Earthquake Response and Vibration Control of Lifeline Structures	5/7/2021	9/7/2021	CL
	FDP on We-'CARE' CounsellingActivities for all-Round Student Empowerment	2/5/2022	6/5/2022	
BHARGAV BHARATBHAI SHOBHANA	FDP on Emerging Trends inGeotechnical Engineering	6/9/2021	10/9/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	FDP on Recent Advances in Earthquake Engineering	20-09-2021	24-09-2021	
	FDP on Magnetic Levitation System	27-09-2021	1/10/2021	
	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	
DIPALI YOGESHBHAI PATEL	FDP on Emerging Trends in Geotechnical Engineering	6/9/2021	10/9/2021	
	FDP on Smart & Sustainable Infrastructure Development for New India	20-12-2021	24-12-2021	
	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	
	Soft skill training on We-'CARE' Counselling	20-09-2021	25-09-2021	
DIPESHKUMAR RATILAL SONAVIYA	FDP on Air, Noise and Odour Pollution: Control and modeling practices	19-07-2021	23-07-2021	
	FDP on Air Pollution and Climate change (APCC-2021)	20-09-2021	24-09-2021	
	Industrial Training on Design of Effluent & Sewage Treatment Plan & Solid Waste Management	13-06-2022	25-06-2022	
	STTP on Environmental Auditing Made Easy: Basic and Analytical Test Procedure	25-04-2022	30-04-2022	
GARGI KETUL RAY	IGBC Certification Course on Green Built Environment	19-07-2021	30-07-2021	
	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	
	FDP on Emerging Trends in Geotechnical Engineering	6/9/2021	10/9/2021	
	ATAL Academy Sponsored One Week Faculty Development Programme on "SMART & SUSTAINABLE INFRASTRUCTURE DEVELOPMENT FOR NEW INDIA"	20-12-2021	24-12-2021	
	Soft Skill Training Program on "We-'CARE' Counselling Activities for all-Round Student Empowerment"	20-09-2021	25-09-2021	
GAURAV VILAS KAPSE	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	
HITESHRI KAMLESHBHAI SHASTRI	FDP on Outcome-Based Education	27-06-2022	1/7/2022	
JAY KIRITKUMAR BHAVSAR	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	
	FDP on Advanced Concrete Technology	8/11/2021	12/11/2021	
	Soft Skill Training on "We-'CARE' Counselling Activities for all-Round Student Empowerment"	20-09-2021	25-09-2021	
KANCHAL DAVE	FDP on Outcome Based Education	27-06-2022	1/7/2022	
MEGHA JEMIN DESAI	Certificate course on "Green Built Environment"	19-07-2021	30-07-2021	
	Industrial Training on In House Laboratory Instrument Training	5/7/2021	10/7/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	ATAL Academy Sponsored One Week Faculty Development Programme (FDP)on "Smart & Sustainable Infrastructure Development for New India"	20-12-2021	24-12-2021	
	FDP on "Outcome-Based Education"	27-06-2022	1/7/2022	
	Soft Skill Training Program on "We-'Care' counselling Activities for All Round Student Empowerment"	20-09-2021	25-09-2021	
MITALI U VEDANTI	Industrial Training on "In HouseLaboratory Instrument Training"	5/7/2021	10/7/2021	
	Online Course on Municipal Solid Waste Management	26-07-2021	23-10-2021	
NEHA HIRENSINH RAJPUT	Outcome Based Education	27-06-2022	1/7/2022	
	FDP on ADVANCED CIVIL ENGINEERING SOFTWARE USAGE ININFRASTRUCTURE DEVELOPMENT	5/7/2021	9/7/2021	
	FDP on Advances in EarthquakeEngineering	26-07-2021	30-07-2021	
	Laboratory training on In HouseLaboratory Instrument Training	5/7/2021	10/7/2021	
NIRPEX AMRUTLAL PATEL	Industrial Training on LaboratoryInstrument Training	5/7/2021	10/7/2021	
	FDP on We - 'CARE' CounsellingActivities for all-Round Student Empowerment	20-09-2021	25-09-2021	
	Certificate Course on Finite Element Analysis: with hands on practice usingsimulation tool	17-09-2021	12/10/2021	
PINAL CHIRAG PATEL	Industrial Training on In HouseLaboratory Instrument Training	5/7/2021	10/7/2021	
	FDP on ATAL Academy Sponsored OneWeek Faculty Development Programme (FDP) on "Smart & Sustainable Infrastructure Development for New India"	20-12-2021	24-12-2021	
	Soft Skill Training Program on Soft Skill Training Program under the theme "We- 'CARE' Counselling Activities for all-Round Student Empowerment"	12/7/2021	16-07-2021	
RENU KOSHY	ATAL "Five days Faculty Development Program on SustainableDesign with Pre-Engineered Techniques:- An Approach towardsEco-Friendly Buildings"	13-09-2021	17-09-2021	
	Industrial Training on In HouseLaboratory Instrument Training	5/7/2021	10/7/2021	
SARASWATI CHANDRAPALSINGH PATHARIYA	AICTE sponsored virtual DCP-Trainingprogram on "SBC of Soils & Early Distress of Bridges"	21-09-2021	25-09-2021	
	FDP on Advances in EarthquakeEngineering	26-07-2021	30-07-2021	
	Online Course on GeotechnicalEngineering Laboratory	26-07-2021	21-08-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Industrial Exposure Training on "In House Laboratory Instrument Training"	5/7/2021	10/7/2021	
	STTP on Laboratory Testing of Soil	20-12-2021	24-12-2021	
	SST-Phase 05 under We-'CARE' Counselling Activities for all-Round Student Empowerment	20-09-2021	25-09-2021	
VIJAYKUMAR RAMANLAL PANCHAL	FDP on Earthquake Response and Vibration Control of Lifeline Structures	5/7/2021	9/7/2021	
VIPUL HARSHABHAI VYAS	Online Course on Strength of Materials	1/9/2021	1/12/2021	
	STTP on "Emerging Trends in Geotechnical Engineering"	6/9/2021	10/9/2021	
	Industrial Training on "In House Laboratory Instrument Training"	5/7/2021	10/7/2021	
	FDP on 5 Phase SST Under the theme 'We - "CARE" (Counselling Activity for all-Round Empowerment)	20-09-2021	25-09-2021	
AAYUSHI PUSHPAKANT CHAUDHARI	PRACTICING CLOUD COMPUTING WITH AWS-PHASE3	13-Sep-21	18-Sep-21	CE
ANIRUDDHKUMAR GOVARDHANDASFATANIYA	Artificial intelligence using Python	15-Nov-21	19-Nov-21	
	Machine Learning with Python	26-Jul-21	31-Aug-21	
	Introduction to Python Matplotlib	1-Oct-21	7-Oct-21	
ARPITA JIGNESHKUMAR SHAH	We-'CARE' Counselling Activities for all-Round Student Empowerment	5-Jul-21	9-Jul-21	
	Cyber Crime and Forensic Tools	23-May-22	27-May-22	
	Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure	29-Mar-22	5-Apr-22	
BHUPENDRAKUMAR BABUBHAI PATEL	Cyber Crime and Forensic Tools	23-May-22	27-May-22	
	PL-300 certification: Microsoft Power BI Data Analyst/DA-100	7-May-22	18-May-22	
CHINTAN MAHESHKUMAR BHATT	Green IoT for Sustainable Development	13-Jun-22	17-Jun-22	
DEEPKUMAR RAMESHBHAI KOTHADIYA	'We-'CARE' Counselling Activities for all-Round Student Empowerment	28-Aug-21	23-Oct-21	
	How to Write and Publish a Scientific Paper (Project-Centered Course)	2-Jul-21	15-Jul-21	
	Python for Machine Learning	5-Sep-21	28-Sep-21	
DHAVALKUMAR AMBALAL BHOI	Chatbot using Artificial Intelligence	6-Dec-21	11-Dec-21	
	Machine Learning to Deep Learning: Trends and Challenges	13-Dec-21	18-Dec-21	
	Recent Advancements in Deep Learning	28-Mar-22	1-Apr-22	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	28-Aug-21	23-Oct-21	
DHARUVI BHARATBHAI TRIVEDI	Advanced Cloud Computing Technologies and Its Benefits for Engineering College Faculties	13-Sep-21	17-Sep-21	
	Role of IoT in Cyber Security	29-Nov-21	3-Dec-21	
	Recent Advancement in Deep Learning	28-Mar-22	1-Apr-22	
	Artificial Intelligence and Machine Learning	9-May-22	14-May-22	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Industrial Training Programme on Mobile Application Development	13-Jun-22	17-Jun-22	
JAINA MAHENDRAKUMAR PATEL	Python for Data Science	27-May-22	31-May-22	
	MATLAB for Engineering Applications	30-May-22	3-Jun-22	
MARTIN KANTILAL PARMAR	Cyber Crime and Forensic Tools	23-May-22	27-May-22	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	28-Aug-21	23-Oct-21	
	Improve Accountability	28-Aug-21	23-Oct-21	
MRUGENDRASINH Laxmansinh RAHEVAR	One-Week Online Faculty Development Programme on "Machine Learning to Deep Learning: Trends and Challenges"	13-Dec-21	18-Dec-21	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	28-Aug-21	23-Oct-21	
NIKITA MAHESHKUMAR BHATT	MACHINE LEARNING TO DEEPLARNING: TRENDS AND CHALLENGES	13-Dec-21	18-Dec-21	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	11-Sep-21	17-Sep-21	
RIKITA JITENDRAKUMAR CHOKSHI	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	28-Aug-21	23-Oct-21	
	Machine Learning and Image Processing	18-May-22	27-May-22	
RITESH PRAVINBHAI PATEL	Practicing Cloud Computing with AWS	16-Aug-21	21-Aug-21	
RONAKKUMAR NATAVARLAL PATEL	Deep Learning	5-Jul-21	9-Jul-21	
	Python for Data Science	26-Jul-21	1-Sep-21	
RONAKKUMAR RAJNIKANT PATEL	Cloud Forensics: Techniques, Challenges and Research Directions	18-Oct-21	22-Oct-21	
	Cyber Crime and Forensic Tools	23-May-22	27-May-22	
	Introduction to Programming with MATLAB	1-Mar-22	25-Apr-22	
	Master Microservices with Spring Boot and Spring Cloud	12-May-22	6-Jun-22	
SNEHA ASHVINKUMAR PADHIAR	Artificial Intelligence and Machine Learning	9-May-22	14-May-22	
	Faculty Development Program-2022	20-Jun-22	24-Jun-22	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	5-Jul-21	9-Jul-21	
TRUSHYA RONAKKUMAR PATEL	Python Programming for Beginners	23-May-22	27-May-22	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	5-Jul-21	9-Jul-21	
	Excel/VBA for Creative Problem Solving, Part 1	12-Nov-21	17-Dec-21	
VAISHALI HARDIK KORIA	Sensor Data Analytics	29-Nov-21	3-Dec-21	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	28-Aug-21	23-Oct-21	
BIMAL HARIVADAN PATEL	Internet of Things and its Application	4/10/2021	8/10/2021	
CHANDRASHEKHAR MUKUNDRAO GOSWAMI	Machine Learning with Python in Data Science - Applications and Research Perspectives	8/11/2021	13-11-2021	IT

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	NBA Accreditation Process	18-10-2021	23-10-2021	
	Sequences, Time Series and Prediction	14-12-2021	24-12-2021	
	Natural Language Processing inTensorFlow	23-11-2021	3/12/2021	
DHAVALKUMAR SUNILBHAI PATEL	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	23-10-2021	9/11/2021	
	Convolutional Neural Networks inTensorflow	15-12-2021	1/1/2022	
	Natural Language Processing inTensorFlow	3/12/2021	22-12-2021	
	Sequences, Time Series and Predictions	2/12/2021	21-12-2021	
	Cyber Security and Digital Forensics	13-12-2021	17-01-2022	
	Introduction to Machine Learning inProduction	9/2/2022	4/3/2022	
HEMANT NANDLALBHAI YADAV	Machine Learning Data Lifecycle inProduction	16-02-2022	17-03-2022	
	Machine Learning Modeling Pipelines inProduction	4/5/2022	4/6/2022	
	MACHINE LEARNING TO DEEPMLEARNING: TRENDS AND CHALLENGES	13-12-2021	18-12-2021	
	Data Analysis Using Advanced Excel	20-07-2021	24-07-2021	
JALPESH HARKISHANBHAI VASA	International Winter School on SoftwareEngineering	14-02-2022	18-02-2022	
	IET Hands-on Training on DevOpS toolsusing AWS	22-11-2021	27-11-2021	
	MATLAB Onramp	22-01-2022	28-01-2022	
	Blockchain Technology and itsapplications	9/8/2021	14-08-2021	
MADHAV MUKUNDBHAI AJWALIA	Blockchain Foundation Program	1/10/2021	31-10-2021	
	Ethereum Fundamentals Program	1/10/2021	31-10-2021	
	Hyperledger Fabric FundamentalsProgram	1/1/2022	31-01-2022	
	Introduction to Tensor flow for AI,ML,DL	1/10/2021	29-10-2021	
MIKINKBHAI RAKESHBHAI PATEL	Sequences, Time Series and Prediction	1/10/2021	3/12/2021	
	CNN in Tensorflow	1/10/2021	7/12/2021	
	NLP in Tensor flow	1/10/2021	3/12/2021	
	AI for Everyone	1/10/2021	7/12/2021	
	Deep Learning.AI Tensor FlowDeveloper	1/10/2021	7/12/2021	
	AI For Healthcare Hackathon Orientationprogram	7/8/2021	11/8/2021	
MRUDANG DAXESHKUMAR PANDYA	AI FOR HEALTHCARE HACKATHON	12/8/2021	25-08-2021	
	SDN Crash Course (Openflow, Mininet,RYU) Practical/Handson	15-09-2021	22-09-2021	
NEHAL SANDIPKUMAR PATEL	Practicing Cloud Computing with AWS	13-09-2021	18-09-2021	
	Data Analysis Using Advanced Excel	20-07-2021	24-07-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	MACHINE LEARNING TO DEEPMLEARNING: TRENDS AND CHALLENGES	13-12-2021	18-12-2021	
NISHAT ANVARHUSEAN SHAIKH	Advanced Trends in AI, ML and DeepLearning	13-09-2021	17-09-2021	
	"MACHINE LEARNING TO DEEP LEARNING: TRENDS AND CHALLENGES"	13-12-2021	18-12-2021	
	Enabling the professional developmentof faculty on IR 4.0 Technology	7/2/2022	11/2/2022	
PARTH DILIPKUMAR SHAH	AWS Certified Solution Architect-Associate	9/12/2021	4/2/2022	
	JAVA Level 1	15-07-2021	6/8/2021	
	Spring Boot	1/11/2021	28-11-2021	
	Certified Instructor	18-05-2022	7/6/2022	
	EC-Council certified Ethical Hacker	9/5/2022	7/6/2022	
	Getting Started with Spring Boot	28-11-2021	28-12-2021	
PRITESHKUMAR NATAVARLAL PRAJAPATI	Digital Forensics for Pentesters - Hands-on Learning	15-09-2021	20-09-2021	
PRIYANKA PRANAV PATEL	Deep Learning for Visual Computing	12/7/2021	16-07-2021	
	Research Trends in Computer Visionand Natural Language Processing	19-07-2021	23-07-2021	
	Artificial Intelligence for Computer Vision	26-07-2021	30-07-2021	
	Academic Leadership Roles	31-07-2021	11/8/2021	
	FDP on Enabling the professionaldevelopment of faculty on IR 4.0 Technology	7/2/2022	11/2/2022	
PURVI HARISHKUMAR PRAJAPATI	"Principles of Artificial Intelligence ,Machine Learning and Deep Learning(Advanced)"	26-11-2021	30-11-2021	
	Software: Practice and Experience	1/12/2021	15-12-2021	
PATEL SANDIPKUMAR PANKAJBHAI	Practicing Cloud Computing with AWS	16-08-2021	21-08-2021	
SANKETKUMAR BHARATBHAI SUTHAR	MACHINE LEARNING TO DEEPMLEARNING: TRENDS AND CHALLENGES	13-12-2021	18-12-2021	
AMITKUMAR VINUBHAI PATEL	Recent Advances in VLSI Design andSystem	22-11-2021	26-11-2021	EC
	Microwave Antennas: Design andMeasurement	21-03-2022	26-03-2022	
ARPITA PINALKUMAR PATEL	Research Methodology	19-10-2021	23-10-2021	
	Analog Circuit Design: Opportunities &Challenges	22-11-2021	26-11-2021	
	'Recent Advances in VLSI Design andSystem	8/1/2022	7/2/2022	
BRIJESH LAXMANBHAI KUNDALIYA	Automation using Mod-bus TCP/IP	31-05-2022	5/6/2022	
	Internship on AI	23-08-2021	4/9/2021	
DHARA MILAN PATEL	"We care" Counselling Activities for all-round student empowerment	30-05-2022	4/6/2022	
DHARMENDRASINH VIRENDRASINHCHAUHAN	Software Defined Radio for next generation wireless communicationsystems	17-01-2022	21-01-2022	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
JALPA HARSHIT DESAI	Introduction to Deep Learning	25-10-2021	30-10-2021	
JITENDRA PRABHAKAR CHAUDHARI	Emerging Applications of Engineering Electromagnetics	17-02-2022	22-02-2022	
KANWAR PREET KAUR	Industrial Automation and SPVDesigning	30-05-2022	4/6/2022	
	e-Governance and its modules for NewTeacher @ CHARUSAT	6/6/2022	11/6/2022	
	Recent Innovation and Development in RF and Microwave Engineering and forWireless Communication	12/5/2022	16-05-2022	
KILLOL VISHNUPRASAD PANDYA	Recent Advances in VLSI Domain andSystems	22-11-2021	26-11-2021	
MANTHAN SUDHIRBHAI MANAVADARIA	Electronic Systems for SensorApplications	6/1/2022	12/1/2022	
	ENERGY CONSERVATION AND ENERGY MANAGEMENT	6/1/2022	12/1/2022	
	Computer Genomics Tools for Next Generation Sequencing and BiomedicalData Analysis	22-11-2021	26-11-2021	
	Quantum and Photonics	29-11-2021	3/12/2021	
	Reference Management and DataVisualization	14-02-2022	18-02-2022	
	Latest Wireless & Communication Technologies	25-04-2022	29-04-2022	
	Outcome Based Education	27-06-2022	1/7/2022	
MIRAL MUKESHBHAI DESAI	Master Class on Deep Learning	17-11-2021	30-12-2021	
	IoT Master Class (30 Days)	8/6/2022	19-07-2022	
	Automation Using Modbus TCP/IP	31-05-2022	5/6/2022	
	Machine Learning Techniques in VLSIDesign	26-07-2021	30-07-2021	
PANDEY RAJAT GIRJASHANKAR	"Recent Advances in VLSI Design andSystem"	22-11-2021	26-11-2021	
POONAM JAYANTIBHAI THANKI	Python training	6/6/2022	11/6/2022	
	Recent Innovation and Development inRF and Microwave Engineering for Wireless Communication	12/5/2022	16-05-2022	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	30-05-2022	4/6/2022	
SAGARKUMAR BALDEVBHAI PATEL	Software-Defined Radio (SDR) for nextgeneration wireless communication systems	17-01-2022	21-01-2022	
TRUSHIT KIRTIKUMAR UPADHYAYA	"5G, IoT, and Artificial Intelligence: Research Trends and Applications"	18-04-2022	29-04-2022	
UPESH PARBHUBHAI PATEL	Research Methodology	18-04-2022	29-04-2022	
	"Automation using Mod bus TCP/ IP	31-05-2022	5/6/2022	
	5G, IoT, and Artificial Intelligence: Research Trends and Applications	18-04-2022	29-04-2022	
	Analog circuit design :Opportunities &Challenges	19-10-2021	23-10-2021	
VISHAL PARBATBHAI TANK	Quantum and Photonics	29-11-2021	3/12/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
NILAYKUMAR ARVINDBHAI PATEL	Condition Monitoring of ElectricalEquipment	7/3/2022	11/3/2022	EE
	Outcome Based Education (OBE)Training	27-06-2022	1/7/2022	
KARTIKBHAI SHASHIKANT PANDYA	Advanced Modelling of DER-Rich ActiveDistribution Networks	19-07-2021	23-07-2021	
	Recent Computational Strategies for Condition Monitoring of High Voltage Equipment (ReCoSCom-HiVoE-2021)	18-09-2021	24-09-2021	
	Smart Energy Systems	4/10/2021	8/10/2021	
MIHIR A BHATT	Condition Monitoring of ElectricalEquipment	7/3/2022	11/3/2022	
	Outcome Based Education (OBE)Training	27-06-2022	1/7/2022	
JIGAR SUBODHCHANDRA SARDA	Applications of Machine Learning for Autonomous futuristic Electric Vehicles	12/7/2021	16-07-2021	
	EV & Charging Infrastructure	26-07-2021	30-07-2021	
	Smart Grid Empowering Smart Cities(SGESC)-2021	18-10-2021	22-10-2021	
	Sustainable Energy future for GreenTransportation	18-10-2021	23-10-2021	
MAULIK JASHVANTLAL SHAH	Emerging Technologies in Electrical Vehicles	2/8/2021	14-08-2021	
VIBHABEN NARENDRABHAI PARMAR	Smart Energy Systems	4/10/2021	8/10/2021	
	"Microgrid: A Path to Sustainability"	20-12-2021	24-12-2021	
MAHAMMADSOAIB MAHEBOOBMIYASAIYAD	Applications of Machine Learning for Autonomous futuristic Electric Vehicles	12/7/2021	16-07-2021	
	EV AND CHARGINGINFRASTRUCTURE	26-07-2021	30-07-2021	
	Emerging Technologies in Electrical Vehicles	2/8/2021	14-08-2021	
	Smart Grid and Electric Vehicle	4/10/2021	8/10/2021	
	Outcome Based Education (OBE)Training	27-06-2022	1/7/2022	
DHARMESHHSINH AJMAL SINH DABHI	Emerging Technologies in ElectricalVehicles	2/8/2021	14-08-2021	
	Integration of Renewable Energy andSmart Grids for Smart Cities	7/3/2022	12/3/2022	
	Outcome Based Education (OBE)Training	27-06-2022	1/7/2022	
PRATIK BHANUBHAI PANCHAL	Condition Monitoring of ElectricalEquipment	7/3/2022	11/3/2022	
MOCHI PRATIK KANTILAL	Applications of Machine Learning for Autonomous futuristic Electric Vehicles	12/7/2021	16-07-2021	
	EV & Charging Infrastructure	26-07-2021	30-07-2021	
	Design and Optimization of EV ChargingTechnology in Smart Grid Platform	13-09-2021	17-09-2021	
MIHIR SIDDHARTH MEHTA	Emerging Technologies in ElectricalVehicles	2/8/2021	14-08-2021	
JIGNESHKUMAR SUBHASHBHAI PATEL	EV & Charging Infrastructure	26-07-2021	30-07-2021	
	SMART GRIDS:FUTURE INTELLIGENTELECTRICITY DISTRIBUTION GRIDS	4/2/2022	14-02-2022	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Integration of Renewable Energy and Smart Grids for Smart Cities	7/3/2022	12/3/2022	
MIHIRKUMAR RAMESHBHAI PATEL	SMART GRIDS:FUTURE INTELLIGENT ELECTRICITY DISTRIBUTION GRIDS	4/2/2022	14-02-2022	
	Integration of Renewable Energy and Smart Grids for Smart Cities	7/3/2022	12/3/2022	
	Advanced Modelling of DER-Rich Active Distribution Networks	23-05-2022	27-05-2022	
ANKUR HARSADBHAI PATEL	Design and Optimization of EV Charging Technology in Smart Grid Platform	13-09-2021	17-09-2021	CSE
	SMART GRIDS:FUTURE INTELLIGENT ELECTRICITY DISTRIBUTION GRIDS	4/2/2022	14-02-2022	
NIKITA MAHESHKUMAR BHATT	MACHINE LEARNING TO DEEP LEARNING: TRENDS AND CHALLENGES	13/12/21	18/12/21	
VIDISHA MUKUNDBHAI PRADHAN	Python for Data Science	27/5/22	31/5/22	
	FDP on Outcome based Education	27/6/22	1/7/2022	
HEMANG ANILKUMAR THAKAR	industrial Training	21/6/22	25/6/22	
SRUSHTI RAKESHKUMAR GAJJAR	Industrial Training on Fullstack (NodeJs, ReactJs, Mongodb) and Git and Git-hub	13/6/22	17/6/22	
VAIBHAVI YASHWANTBHAI PATEL	Industrial Training on Fullstack (NodeJs, ReactJs, Mongodb) and Git and Git-hub	13/6/22	17/6/22	
BELA ANAL SHAH	OUTCOME BASED EDUCATION	27/6/22	1/7/2022	
NILESH KUMAR DUBEY	IoT Cloud	1/7/2021	14-07-2021	DEPSTAR
BANSARI BHAVDIPBHAI PATEL	Google Colab Machine Learning App	1/7/2021	14-07-2021	
DHRUVI DHARMENDRAVAN GOSAI	Object Oriented Programming	24-09-2021	28-09-2021	
PRIYALBA BHUPENDRASINH VAGHELA	Write Professional Emails in English	15-09-2021	27-10-2021	
	Deep Learning in Computer Vision	26-07-2021	30-07-2021	
PARTH NAVINCHANDRA GOEL	Python and Machine Learning Fundamentals	10/9/2021	14-09-2021	
	Object Oriented Programming	3/8/2021	10/8/2021	
SACHI VEDANSHU JOSHI	Introduction to IoT	12/11/2021	17-11-2021	
DWEEPNA GARG	Introduction to IoT	17-11-2021	23-11-2021	
	Introduction to Ethical Hacking	18-11-2021	22-11-2021	
DIPAKKUMAR JIVRAJBHAI RAMOLIYA	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	29-11-2021	4/12/2021	
	Python for Data Science	27-05-2022	31-05-2022	
CHINTAL UPENDRA RAVAL	Machine Learning	26-10-2021	16-11-2021	
	AI for EVERYONE	15-11-2021	25-11-2021	
KASHYAPKUMAR SHAILESHKUMAR PATEL	Python for Data Science	27-05-2022	31-05-2022	
	Blockchain Basics	1/8/2021	9/11/2021	
	Machine Learning & Deep Learning using Python	4/1/2022	8/1/2022	
	Cyber Security and Blockchain	13-12-2021	17-12-2021	
	Blockchain Technology and its applications	6/12/2021	10/12/2021	
MOHINIBEN PRAFULBHAI DARJI	Spoken English Course	23-08-2021	23-09-2021	
	Computational Intelligence : COIN-2022	16-02-2022	20-02-2022	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Research Perspective in Artificial Intelligence	25-10-2021	29-10-2021	
RIMA ANANTKUMAR PATEL	AWS Solution Architecture	20-06-2022	25-06-2022	
	Encryption	26-02-2022	8/3/2022	
	Object Oriented Programming	3/8/2021	10/8/2021	
	Data Science	20-09-2021	24-09-2021	
	Python for Data Science	6/9/2021	10/9/2021	
VIDHIBEN TUSHARKUMAR PANDYA	Python for Data Science	27-05-2021	31-05-2021	
	Web Application Development	20-06-2022	25-06-2022	
	Building a Text-Based Bank in Java	19-03-2022	23-03-2022	
	Wireless Technologies for IoT	4/5/2022	18-05-2022	
NISHABEN ASHWINKUMAR PANCHAL	Python Digital Image Processing from Ground Up™	1/3/2022	8/3/2022	
	Data Science and Machine Learning	7/3/2022	11/3/2022	
AKASHKUMAR RAVINDRABHAI PATEL	Python for Data Science	27-05-2021	31-05-2021	
	Mobile App Development	4/5/2022	18-05-2022	
	Wireless Technologies for IoT	4/5/2022	18-05-2022	
GAURANGKUMAR KHODABHAI PATEL	Python for Data Science	27-05-2021	31-05-2021	
	Developing IoT Applications	2/5/2022	13-05-2022	
	Wireless Technologies for IOT	4/4/2022	18-04-2022	
AISHWARIYA SURESHKUMAR BUDHRANI	Web Application Development	20-06-2022	25-06-2022	
	Wireless Technologies for IOT	4/4/2022	18-04-2022	
	Python for Data Science	27-05-2021	31-05-2021	
	AR & VR	07.12.2021	11.12.2021	
SHRADDA SUNNY VYAS	AWS Solution Architecture	20-06-2022	25-06-2022	
	NoSQL Database	4/5/2022	18-05-2022	
	Advanced SQL	3/5/2022	18-05-2022	
URVASHI MEHULKUMAR CHAUDHARI	Python for Data Science	27-05-2021	31-05-2021	
	Wireless Technologies for IoT	9/5/2022	17-05-2022	
	Chatbot using Artificial Intelligence	6/12/2021	11/12/2021	
PHENILKUMAR PRAKASH BUCH	Power BI for Beginners	31-05-2022	4/6/2022	
	Introduction to Speech Processing and its Applications using AI-ML (ISPA)-2021	25-10-2021	29-10-2021	
SHIVANGI MEHTA	Cyber Security	23-05-2022	28-05-2022	
	Recent Trends in Smart Computing	18-10-2021	22-10-2021	
ADILKUMAR SANATKUMAR PATEL	workshop on "Intellectual Property Rights: An Overview and Role in Pharmaceutical Industry"	27/09/2021	1/10/2021	RPCP
AMIT AMBALAL PATEL	FDP on Emerging trends in Drug delivery	8/11/2021	12/11/2021	
	FDP on Emerging Trends in Drug Discovery and Formulation Development	22/11/2021	26/11/2021	
	FDP on Accreditation and Outcomebased Learning	26/07/2021	17/09/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
ARCHITA SAMIR PATEL	NPTEL Swayam online course on Accreditation and Outcome based Learning	9/8/2021	3/10/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
ASHISH DHIRUBHAI PATEL	Leveraging Academic Researchers on Developing Diagnostic Kits, Vaccines and Drug Products for Improved Therapy Management against Deadly Viruses: Lesson Learnt from COVID-19.	13/12/2021	18/12/2021	
	FDP on Recent Advance in Chemistry	27/12/2021	4/1/2022	
AVANI BHARATKUMAR CHOKSHI	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	25/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
HARDIK MUKESHKUMAR KORIA	online course on Bioengineering: An Interface with Biology and Medicine	24/01/2022	23/03/2022	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
JAGRUTI LALJIBHAI DESAI	FDP on Emerging trends on Drug delivery	8/11/2021	12/11/2021	
JALPA VASHISHTHKUMAR SUTHAR	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
KANANKUMARI GAMANLAL GAMIT	Orientation programme on Technology advancement and emerging trends in pharmaceutical education	23/12/2021	29/12/2021	
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
MEHUL MANUBHAI PATEL	FDP on Artificial Intelligence in Drug Development: Recent Trends and Future Prospective	5/7/2021	9/7/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
MRUNALI RASHMIN PATEL	online course on PATENT PRACTICES IN RESEARCH	25/07/2021	29/07/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	FDP on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
NILAY DHIRENKUMAR SOLANKI	Orientation programme on Technology advancement and emerging trends in pharmaceutical education	23/12/2021	29/12/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
NIRAJ YASHVANTRAI VYAS	FDP on Accreditation and Outcome based Learning	26/07/2021	31/07/2021	
	Online AICTE-ISTE refresher program on "Technology Advancements and Emerging Trends in Pharmaceutical Education"	23/12/2021	29/12/2021	
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	26/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
RAJENDRA MULJIBHAI KOTADIYA	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	FDp on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
RASHMIN BHARATBHAI PATEL	online course on PATENT PRACTICES IN RESEARCH	25/07/2021	29/07/2021	
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	FDP on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
RAVISH JANAKBHAI PATEL	FDP on Emerging trends in Drug delivery	8/11/2021	12/11/2021	
	FDP on Emerging Trends in Drug Discovery and Formulation Development	22/11/2021	26/11/2021	
	FDP on Blended Learning : Concepts and Tools	21/05/2022	27/05/2022	
	FDP on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	17/09/2021	
RICHA RAKESH DAVE	NPTEL Swayam online course on Accreditation and Outcome based Learning	26/07/2021	19/09/2021	
SAMIR GUNVANTBHAI PATEL	NPTEL Swayam online course on Accreditation and Outcome based Learning	9/8/2021	3/10/2021	CMPICA
	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
UMANG HARISHCHANDRA SHAH	Refresher course on Leveraging Academic Researchers on Developing Diagnostic Kits, Vaccines and Drug Products for Improved Therapy Management against Deadly Viruses: Lesson Learnt from COVID-19	13/12/2021	18/12/2021	
ALKESH PATEL	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
NIKUNJ PAREKH	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
MILAP PATEL	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
MITHUN SINGH RAJPUT	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
NITIN LUNAGARIYA	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
PURVI SHAH	Five days FDP as a part of CHARUSAT Endowment Chair activity on theme Perspectives in Phytopharmacy	20/6/2022	24/6/2022	
ABHILASH MAHESHKUMAR SHUKLA	Cyber Security & Digital Forensics	13-12-2021	17-12-2021	
ARPANKUMAR GOVINDBHAI RAVAL	Cyber Security & Cryptography: Trends and Technologies	4/10/2021	8/10/2021	
	Summer School In Geospatial Science and Technology (Level 1)	23-05-2022	11/6/2022	
HARDIK ISHWARBHAI PATEL	MACHINE LEARNING TO DEEP LEARNING: TRENDS AND CHALLENGES	13-12-2021	18-12-2021	
	Spoken English Course	19-03-2022	25-03-2022	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	18-08-2021	27-08-2021	
DHATRI KIRANBHAI RAVAL	"We-care" Counselling Activities for all-Round Student Empowerment	5/7/2021	9/7/2021	
HEMA RAJNICKANT PATEL	RECENT TRENDS IN INDUSTRIAL ROBOT PROGRAMMING WITH	6/12/2021	10/12/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	APPLICATIONS AND HANDS ON TRAINING PROGRAM			
	IoT: Design Challenges and Emerging System Applications	13-12-2021	17-12-2021	
JAIMIN NAVINCHANDRA UNDAVIA	Data Sciences	9/8/2021	13-08-2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
	Application of Machine Learning to Software Engineering	1/11/2021	12/11/2021	
KRISHNA KANT	Digital Tools for Writing, Authoring and Reviewing Manuscripts	12/7/2021	23-07-2021	
	Online Elementary FDP on "Data Sciences"	9/8/2021	13-08-2021	
	SPU PhD Course Work on Subject Domain, Tools and Technology	28-08-2021	8/9/2021	
	Application of Machine Learning to Software Engineering	1/11/2021	12/11/2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
MITTAL NIRBHIK DESAI	Software Engineering 101: Plan and execute better software	12/7/2021	25-07-2021	
	Hands on Natural Language Processing (NLP) using Python	2/8/2021	10/8/2021	
	Equipment's Inventory Management and status tracking	8/11/2021	13-11-2021	
MOHITSINH DHARMENDRASINH PARMAR	Introduction to Cloud Identity	24-07-2021	30-07-2021	
	Object Oriented Analysis And Design For Beginners	16-07-2021	2/8/2021	
	Introduction to Financial Mathematics: exploring the machine learning approach for option pricing problems in stock market	19-08-2021	23-08-2021	
MUBINA SHAQIL MALIK	MACHINE LEARNING TO DEEP LEARNING: TRENDS AND CHALLENGES	13-12-2021	18-12-2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
NILAYKUMAR MOHITKUMAR VAIDYA	Data Sciences	9/8/2021	13-08-2021	
	Application of Machine Learning to Software Engineering	1/11/2021	12/11/2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
SANDEEP VASANT GAIKWAD	Summer School In Geospatial Science and Technology (Level 2) Geospatial Science and Technology Applications in Agriculture	11/5/2022	31-05-2022	
SHAILESH BABUBHAI KHANT	Emerging Materials, Sensors and Devices for IoT and Industry 4.0"	23-08-2021	27-08-2021	
SANSKRUTI VRIJLAL PATEL	FDP on "MEAN Stack Technologies"	21-09-2021	25-09-2021	
	FDP on "Artificial Intelligence Applications in Medical Diagnosis"	4/10/2021	8/10/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Deep Learning (Adv. Computer Vision)	2/12/2021	15-12-2021	
	Deep Learning Computer Vision™ CNN, OpenCV, YOLO, SSD & GANs	7/3/2022	25-04-2022	
TUSHAR GUNVANTRAY MEHTA	Data Science for Engineers	26-07-2021	17-09-2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
SOHIL DINESHKUMAR PANDYA	Data Science	9/8/2021	13-08-2021	
	We-CARE Counselling Activities for all-Round Student Empowerment	18-08-2021	27-08-2021	
	Digital Marketing	6/6/2022	12/6/2022	
Dr. Bhaskar Pandya	Mentorship Programme for Faculty Development in Critical Theories & Praxis	27-09-2021	5/10/2021	IIIM
	Seven Days Professional Development Programme on "Effective and Quality Research Writing - Phase III"	13-06-2022	19-06-2022	
Dr. Reshma Sable	Online Elementary FDP on Research Methodology	23-08-2021	27-08-2021	
	Two week interdisciplinary and multilingual Refresher course / FDP on Research Methodology	23-10-2021	6/11/2021	
	Research Methodology	18-04-2022	29-04-2022	
	Industrial Exposure Training - IC-38	18-05-2022	23-05-2022	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	Online Elementary FDP on EDUCATION 4.0	30-05-2022	5/6/2022	
	MOOC on Leadership and Followership	7/6/2022	11/6/2022	
Dr. Pranav Desai	FDP on Pedagogy and Research Methodology	5/7/2021	16-07-2021	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	Short term training Programme on Entrepreneurship Course Curriculum Design & Development	22-11-2021	27-11-2021	
	Professional Development Programme on Effective and Quality Research Writing.	13-06-2022	19-06-2022	
Dr. Rajesh Sadhwani	Short term training Programme on Entrepreneurship Course Curriculum Design & Development	22-11-2021	27-11-2021	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	Online Elementary FDP on Financial Modelling Using Excel	8/2/2022	12/2/2022	
	Online Elementary FDP on Entrepreneurial Finance	21-02-2022	25-02-2022	
	Refresher Course in "Commerce and Management"	27-05-2022	9/6/2022	
	MOOC on Financial Modelling Using Excel	8/2/2022	7/2/2022	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
Dr. Binit Patel	FDP on Data Visualization with Tableau	14-09-2021	19-09-2021	
	FDP on Data Analysis Using Statistical Tools and Econometric Techniques	26-12-2021	30-12-2021	
	MOOC on Sports Analytics from Digital Vidya	25-04-2022	30-04-2022	
Mr. Snehal Bhatt	Environmental Auditing Made Easy: Basics and Analytical Procedures	25-04-2022	30-04-2022	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	Online FDP on Research, Design, Methods and Analysis	20-06-2022	29-06-2022	
Ms. Aarzoo Vohra	FDP on Outcome Based Education	26-07-2021	1/8/2021	
Dr. Mukesh Pal	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Geeta Marmat	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	FDP on Academic Research Writing	4/6/2022	10/6/2022	
Dr. Bhavesh Parmar	Online Elementary FDP on "Advanced Business Analytics"	26-07-2021	30-07-2021	
	Online Elementary FDP on "Practice Managers for Industry 4.0"	26-08-2021	30-08-2021	
	Training on Enterpreneurship Course Curriculum Design & Development	22-11-2021	27-11-2021	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	FDP on Outcome Based Education	27-06-2022	1/7/2022	
Dr. Gaurav Rajput	FDP on International Entrepreneurship Summit AVLOKAN 2.0	10/1/2022	22-01-2022	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	FDP on Behavioral and Personal Finance	1/1/2022	31-03-2022	
	Refresher Course in "Commerce and Management"	27-05-2022	9/6/2022	
	Soft Skills Training Programme - "We Care" - Counselling Activities for All-Round Student Empowerment.	6/6/2022	11/6/2022	
	Soft Skills Training Programme for Teaching Staff Members - E-governance and its Modules for New Teachers @ CHARUSAT.	6/6/2022	11/6/2022	
Dr. Kshitij Trivedi	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Hardi Raval	Short term training Programme on Entrepreneurship Course Curriculum Design & Development	22-11-2021	27-11-2021	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Sheetal Thomas	Online Elementary FDP Data Analysis for Qualitative and Quantitative Research	13-12-2021	17-12-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Ms. Shivani Shah	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Ms. Pooja Shah	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Swati Joshi	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Archana Sarkar	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	FDP on Emerging and Innovative Approaches in Management, IT and Communication in Teaching and Research	9/6/2022	15-06-2022	
Ms. Dharti Patel	Online Elementary FDP on Research Methodology	23-08-2021	27-08-2021	
	Online Elementary FDP on Research Methodology	18-04-2022	29-04-2022	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	FDP on Research Design and Research Methods	14-05-2022	20-05-2022	
Dr. Chirag Vyas	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
	Workshop on Research Methodology	6/6/2022	11/6/2022	
Dr. Jaimin Trivedi	FDP on Business Law for Managers	1/1/2022	31-03-2022	
	Workshop on Data Analysis Tools and Techniques for Accounting and Finance	18-04-2022	22-04-2022	
	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Sapna Mathur	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Ms. Ruma Pal	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Ms. Ratna Vyas	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Ms. Richa Chauhan	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Mr. Kirti Patel	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Kaushik Trivedi	FDP on Academic Writing for Research	11/10/2021	17-10-2021	
	FDP by All India Council for Technical Education (AICTE)	4/10/2021	8/10/2021	
Ms. Pranjal Bhatt	FDP on Literary Theory	5/1/2022	11/1/2022	
Mr. Tushar Brahmbhatt	FDP on Critical Theories and their Modern Pedagogical Adequacy in the Humanities	26-07-2021	1/8/2021	
	FDP on Inculcating Universal Human Values in Technical Education	4/10/2021	8/10/2021	
	MOOC on Towards Better Communication: LSRW Skills in English Language	21-09-2021	8/10/2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
Dr. Vijay Makawana	FDP on Inculcating Universal Human Values in Technical Education	4/10/2021	8/10/2021	
	FDP on Productivity Enhancement through Effective Stress Management	15-10-2021	19-10-2021	
	FDP on Authentic Leadership and Excellence	22-11-2021	26-11-2021	
	FDP on Emotional Intelligence	13-12-2021	17-12-2021	
Ms. Jayshree Mehta	FDP on Inculcating Universal Human Values in Technical Education	27-06-2022	1/7/2022	
Mr. Rajendra Solanki	FDP on Multivariate Data Analysis using SPSS	23-05-2022	27-05-2022	
Dr. Abhishek Dadhania	IET on High Performance Liquid Chromatography and Dynamic Light Scattering	12/7/2021	17-07-2021	PDPIAS
	Recent Advances in Chemistry	27-12-2021	4/1/2022	
	Workshop on Single Crystal X-Ray Crystallography (SCXRD), a STUTI-DST sponsored program	18-04-2022	24-04-2022	
Dr. Anoop Markande	Intracellular transport	10/8/2021	24-08-2021	
	'We - "CARE" (Counselling Activity for all-Round Empowerment)	6/9/2021	11/9/2021	
	Indsutrial Exposures Training		to	
Dr. Bhavtosh Kikani	'We - "CARE" (Counselling Activity for all-Round Empowerment)	4/9/2021	24-09-2021	
	Indsutrial Exposures Training		to	
Dr. Chirayu Desai	BACTERIAL GENOMES: DISEASE OUTBREAKS AND ANTIMICROBIAL RESISTANCE	10/8/2021	24-08-2021	
Dr. Dijit Patel	IET on High Performance Liquid Chromatography and Dynamic Light Scattering	12/7/2021	17-07-2021	
	Recent Advance in Chemistry	27-12-2021	4/1/2022	
	General Requirements for the Competence of Testing & Calibration Laboratories (Laboratory System & Internal Audit)	28-12-2021	21-03-2022	
Dr. Seema Amin	"Environmental Auditing Made Easy: Basics and Analytical Test Procedures"	25-04-2022	30-04-2022	
	Outcome Based Education	27-06-2022	1/7/2022	
Dr. Janki Thakkar	Indsutrial Exposures Training		to	
	Outcome Based Education	27-06-2022	1/7/2022	
Dr. Janki Patel	GENOMICS FOR EDUCATORS	29-04-2022	19-05-2022	
	Indsutrial Exposures Training		to	
Dr. Jignesh Chauhan	Programming for Everybody (Getting Started with Python)	7/2/2022	16-02-2022	
	Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
Dr. Jimit Patel	REFRESHER COURSE IN MATHEMATICS	31-08-2021	14-09-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	One Week Faculty Development Programme on Computing with MATLAB and LaTeX Software: Indispensable Tools for Researchers	5/1/2022	11/1/2022	
	Role of Basic Sciences in Emerging Technologies (RBSET-2022)	9/3/2022	14-03-2022	
	One week Faculty Development Programme on "Academic Research Writing"	4/6/2022	10/6/2022	
	One week Training Workshop on Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
	"We-'CARE' Counselling Activities for all-Round Student Empowerment"	17-09-2021	24-09-2021	
	14th Summer school in Tribology	14-06-2022	18-06-2022	
Dr. Kaushal Patel	IET on High Performance Liquid Chromatography and Dynamic Light Scattering	12/7/2021	17-07-2021	
	Recent Advance in Chemistry	27-12-2021	4/1/2022	
Dr. Krunal Kachhia	REFRESHER COURSE IN MATHEMATICS	31-08-2021	14-09-2021	
Dr. Manan Shah	An Elementary Introduction to the Wolfram Language	9/8/2021	21-08-2021	
	65th DAE-BRNS Symposium on Nuclear Physics	1/12/2021	5/12/2021	
	Training Workshop on Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
	Outcome Based Education	27-06-2022	1/7/2022	
Dr. Mandar Kulkarni	Intracellular Transport	1/8/2021	24-08-2021	
	Bacterial Genomes I: From DNA to Protein Function Using Bioinformatics	17-08-2021	24-08-2022	
	Indsutrial Exposures Training		to	
	We -Care Counselling Activities for all-Round Student Empowerment	20-09-2021	24-09-2021	
	Imporatnce of Teaching Learning Process	23-05-2022	28-05-2022	
	Two weeks of Industrial traning in the area of Python, R. MD simulations, NGS data analysis and genomics	15-09-2021	30-09-2021	
Dr. Murali Sharaff	Recent Advance in Chemistry	27-12-2021	4/1/2022	
	We Care-Counselling Activities for all-Round Student empowerment	4/9/2021	9/9/2021	
	Imporatnce of Teaching Learning Process	23-05-2022	28-05-2022	
	Indsutrial Exposures Training		to	
Ms. Niru Patel	Two-week refresher course in Applicable Mathematics	15-12-2021	29-12-2021	
	ONE WEEK TRAINING WORKSHOP ON Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	We Care-Counselling Activities for all-Round Student empowerment	4/9/2021	9/9/2021	
Dr. Pragnesh Makwana	MATLAB Onramp	11/8/2021	18-08-2021	
	Software tools for Mathematical Education	30-08-2021	5/9/2021	
	Outcome Based Education	27-06-2022	1/7/2022	
	ONE WEEK TRAINING WORKSHOP ON Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
	We Care-Counselling Activities for all-Round Student empowerment	4/9/2021	9/9/2021	
Dr. Pratik Pataniya	Workshop on Electrochemical Energy Storage: Theory, Experiments, and Applications	5/5/2022	26-05-2022	
Mr. Rajendra Chauhan	Image Processing Onramp	21-08-2021	27-08-2021	
	We-'CARE' (Counselling Activities for all-Round Student Empowerment)	19-07-2021	23-07-2021	
	ONE WEEK TRAINING WORKSHOP ON Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
Dr. Rajesh Savalia	Special Functions and their Applications	21-03-2022	25-03-2022	
	One Week Training Workshop on Numerical Methods Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
Dr. Reshma Sanjhira	Refresher Course in Mathematics	31-08-2021	14-09-2021	
	Training Workshop on Computing Differential Equations with MATLAB	24-11-2021	30-11-2021	
	One Week Faculty Development Programme on Computing with MATLAB and LaTeX Software: Indispensable Tools for Researchers	5/1/2022	11/1/2022	
	International Webinar on Special Functions and their Applications	21-03-2022	25-03-2022	
	Numerical Methods in Engineering and Physical Science with MATLAB	4/6/2022	10/6/2022	
	Software tools for Mathematical Education	30-08-2021	5/9/2021	
	Outcome-Based Education	27-06-2022	1/7/2022	
Dr. Ruchi Chaturvedi	BACTERIAL GENOMES I: FROM DNA TO PROTEIN FUNCTION USING BIOINFORMATICS	8/7/2021	21-07-2021	
	We-'CARE' Counselling Activities for all-Round Student Empowerment	4/9/2021	9/9/2021	
	Indsutrial Exposures Training		to	
	Imporatnce of Teaching Learning Process	23-05-2022	28-05-2022	
Dr. Sanjay Panjabi	Industrial Exposure training on High Performance Liquid Chromatography and Dynamic Light Scattering	12/7/2021	17-07-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
	Recent Advances in Chemistry	27-12-2021	4/1/2022	
	ISO/IEC 17025:2017- General Requirements for the Competence of Testing & Calibration Laboratories (Laboratory System & Internal Audit)	28-12-2021	21-03-2022	
	Outcome-Based Education	27-06-2022	1/7/2022	
Dr. Sanni Kapatel	An Elementary Introduction to the Wolfram Language	10/9/2021	18-09-2021	
Dr. Tapan Patel	Cutting Edge Science in Cellular and Molecular Biomedicine	27-07-2021	31-07-2021	
	Structural materials in cells	31-07-2021	9/8/2021	
	Cell Culture Technologies	26-07-2021	17-09-2021	
	Cell Culture Technologies	1/7/2021	30-09-2021	
	Indsutrial Exposures Training		to	
Dr. Vaibhav Patel	Industrial Exposure Training on High Performance Liquid Chromatography and Dynamic Light Scattering	12/7/2021	17-07-2021	
Mr. Vyomesh Nandurbarkar	Linux System Administration	23-05-2022	27-05-2022	
	Outcome-Based Education	27-06-2022	1/7/2022	
Dr. Yogeshwari Patel	Differential Geometry	5/7/2021	24-07-2021	
	ICT tools for effective teaching learning	23-05-2022	28-05-2022	
	Recent developments in Numerical Methods for Partial Differential Equations	30-05-2022	3/6/2022	
Dr. Aditi Buch	Indsutrial Exposures Training		to	
Dr. Anamika Jha	Indsutrial Exposures Training		to	
Dr. Neeraj Jain	E-content development and use of ICT tools in present Academia Era	20-06-2022	25-06-2022	
Dr. Rucha Desai	Outcome-Based Education	27-06-2022	1/7/2022	
Dr. Gayatri Dave	Outcome-Based Education	27-06-2022	1/7/2022	
Mr. Purvak Patel	Applied Data science and Machine Learning with Python	6/8/2021	10/10/2021	
	Fundamentals of Artificial Intellegence	1/7/2021	1/10/2021	
DIXA KHIMAJIBHAI CHANDRAVADIYA	Importance of Teaching learning Process	23-05-2022	28-05-2022	ARIP
HETA PATEL	eCourse in Systematic Review & Meta-Analysis (eLearning)	1/9/2021	19-12-2021	
MITVA THAKKAR	eCourse in Systematic Review & Meta-Analysis (eLearning)	1/9/2021	19-12-2021	
PRIYANKA SHIVNANDAN SINGH	Importance of Teaching learning Process	23-05-2022	28-05-2022	
Homa Patel	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Ankit Christain	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	MTIN
Anil Patidar	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Arpan Pandya	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Chirag Jain	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Divya Jain	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Franny Emmanuel	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Ishita Shah	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	

Name of the Employee	Title of the program	Duration from	Date to	Dept.
Jamin Chauhan	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Rutvi Thakor	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Shilpa Dalwadi	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Swapandeep Dhanopia	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Binal Joshi	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Hetal Shah	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Alpna Patel	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Jalpa Prajapati	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
Rameshwari Zala	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Capacity Building for Midwifery	18-01-2022	25-01-2022	
	Skill standardization and simulationtraining	18-04-2022	22-04-2022	
Anjali Tiwari	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Skill standardization and simulationtraining	18-04-2022	22-04-2022	
	Outcome Based Education	27-06-2022	1/7/2022	
Angelina Makwana	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Skill standardization and simulationtraining	10/5/2022	14-05-2022	
Sapna Patel	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Skill standardization and simulationtraining	10/5/2022	14-05-2022	
Deepak Krishnamurthy	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Outcome Based Education	27-06-2022	1/7/2022	
Shalini Joshi	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Outcome Based Education	27-06-2022	1/7/2022	
Siddaram Sarate	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Outcome Based Education	27-06-2022	1/7/2022	
Vipin Vageriya	Foundation course in Palliative Nursing	13-07-2021	23-10-2021	
	Outcome Based Education	27-06-2022	1/7/2022	

Dhara Patel	Metabolic enginnering	1/2/2022	30-04-2022	BDPI PS
	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2021	
Parth Thakor	Cancer genomics and bioinformatics 3rdedition 2022	18-06-2022	14-07-2022	
	Perspective in phytopharmacy	20-06-2022	24-06-2022	
Santosh Ojha	We care counselling activities for all-round student empowerment	20-09-2021	25-09-2021	
Foram Shelat	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2022	
Vasvi D Parmar	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2023	
Yogesh Vaghela	SST- We care counselling activities for all round student empowerment	20-09-2021	25-09-2024	
Manna Debnath	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2025	
Karan Morje	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2026	
Jaydevsinh Pargara	SST- We care counselling activities forall round student empowerment	20-09-2021	25-09-2027	

Infrastructure and Major Learning and Research Facilities

All the institutes of CHARUSAT provide the latest facilities for students such as Multi-Media (MM) class rooms (Higher Semesters), Networking of classrooms, with electronic database, MM theatres for conference, well equipped laboratories, to conduct experimental works, well ventilated lecture hall, state of art computer laboratory with latest configuration for giving practical exposure, and there always is special provision of a seminar hall and reading room.

Institution	Name of the facility	Name of the Laboratory (ifapplicable)
CSPIT		
Electrical Engineering	FACTS controller with STATCOM, SSSC and UPFCoperation	Advanced Power Electronics
	PQ and Energy Analyser (Fluke)	Advanced Power Electronics
	Microcontroller based Three phase Induction motor drive	Advanced Power Electronics
	HCDV Trainer with 6 pulse converter	Advanced Power Electronics
	Dynamic Voltage restorer (DVR)	Advanced Power Electronics
	Three phuse diode clamp Multilevel Inverter	Advanced Power Electronics
	MPPT Boost converter for Solar PV	Advanced Power Electronics
Information and Technology		Computer Vision and Pattern Recognition
Mechanical Engineering	Carl Zeiss Triangular Metallurgical Inverted MicroscopeFor Filed And Dark Field	Material Testing Laboratory
	Basic Hydraulic and Pneumatic Training Kit	FESTO Centre of Excellence
	Ultrasonic processor	Surface engineering Laboratory
	Sample Preparation Polishing Machine	Material Testing Laboratory
Civil Engineering		hydroclimatology research lab
Electronics and Communication Engineering		
	Analog to Digital Trainer Kit	EDC Lab
	AVR ISP Programmer ATMEGA 32 DIP IC	Embedded Lab
	Electronic Components	All the Lab
	Waxwing Spartan 6 FPGA Development Board	VLSI Lab
	Beagle bone development board	Embedded Lab
	Raspi and accessories	Embedded Lab
	ST Microelectnocs-NUCLEO F&67ZIARM Board	Embedded Lab
	Waxwing Spartan 6 FPGA Development Board	VLSI Lab
	Flipflop Trainer Kit Shift Register Trainer KitCounter Trainer kit Power supply	Digital Electronics

	Accessories	Embedded Lab
	Robotics kits and accessories	E Yantra Lab
DEPSTAR	Zspace all in one system	Virtual reality lab
	Router, switch, firewall	Sophos Lab
	Mac PCs	Mobile application development lab
	microcontrollers, sensors, actuators, RFID and communication modules	IOT lab
	E-Yantra Laboratory (In	Research lab

Knowledge Resource Center

Moreover, the institute has developed an enriched Knowledge Resource Center. The following table gives the details:

PRINT RESOURCES		
i.	No. of Titles (Books)	59002
ii.	No. of Volumes (Books)	102035 +
Total Number of Books		102035+
No. of Journals/ Magazines		242
Project Reports		4832+
PHD Thesis		239
ELECTRONIC (DIGITAL) RESOURCES		
i.	E-Journals	11000+
ii.	CD's	7200+
INSTITUTIONAL MEMBERSHIP		
DELNET		
INFLIBNET		
IIM-A		
AIMA		

- Number of professional development / administrative training Programmes organized by the institution for teaching and Non-teaching staff during the year

Sr. No.	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants	Dept.

1	24.07.2021 - 25.09.2021	RECENT TRENDS IN COATINGS AND THIN FILM	---	21	
2	23.04.2022 - 23.04.2022	Document processing software-LyX	---	19	ME
3	30.04.2022 - 30.04.2022	Industry Interaction at SUZLON Energy Ltd. and SUJAY Engineers	---	4	
4	14-08-2021 to 14-08-2021	Expert Lecture on Ready Mixed Concrete - Manufacturing and Quality Assurance	---	53	
5	06-09-2021 to 09-09-2021	Webinar series on "Recent Advances in Structural Engineering"	---	2	
6	06-09-2021 to 10-09-2021	FDP on Emerging Trends in Geotechnical Engineering	---	156	
7	30-10-2021 to 30-10-2021	Expert lecture on "An Introduction to BIM Platform"	---	52	CL
8	09-11-2021 to 09-11-2021	One day Seminar on "Prospects and Challenges in IPR"	---	22	
9	02-04-2022 to 02-04-2022	One Day workshop on "Mapping & Surveying using Total Station"	---	35	
10	08-04-2022 to 08-04-2022	Webinar on "Green Buildings - The Way Forward"	---	38	
11	12-05-2022 to 12-05-2022	Expert Lecture on Structure Design: From institute to Industry	---	18	
12	01-12-2021 to 01-12-2021	Continuous Integration & Continuous Deployment (CI/CD) Using Jenkins	---	30	CE
13	26-03-2022 to 26-03-2022	IPR for Computer Related Innovations	---	20	
14	22-11-2021 to 24-11-2021	FDP on "Hands-on Training on DevOps tools using AWS"	---	21	IT
15	05-01-2022 to 06-01-2022	Introduction to Python Programming	---	82	EC
16	19-01-2022 to 22-01-2022	Workshop on "Java Programming" in Collaboration with IETE	---	66	

17	26-08-2021 to 28-08-2021	Applications of AI in Future Wireless Communication	---	40	
18	19-11-2021 to 19-11-2021	One Day Workshop on "Fun with Arduino C Programming"	---	72	
19	13-04-2022 to 13-04-2022	Electrical Vehicle: Chanllanges and Solution	---	67	EE
20	10-12-2021 to 11-12-2021	Docker Basics and Models Training Nvidia DGX A100 Station	---	30	
21	29-03-2022 to 31-03-2022	Hands-on Training on "NVIDIA Jetson NANO and Drones"	---	16	
22	10-09-2021 to 10-09-2021	Full stack Application Development using Flutter	---	101	
23	21-08-2021 to 22-08-2021	"ORIGINATE" A Digital Innovation Hackathon	---	97	
24	29-09-2021 to 29-09-2021	Styling with Flutter	---	87	
25	01-10-2021 to 01-10-2021	Introduction to Android Internals	---	129	
26	14-10-2021 to 14-10-2021	Basic Python Libraries	---	68	
27	05-10-2021 to 05-10-2021	Basics of Python Programming	---	212	
28	09-10-2021 to 09-10-2021	Workshop on Advanced Microsoft Word	---	163	
29	02-10-2021 to 03-10-2021	Poster Making Competition	---	21	
30	09-10-2021 to 09-10-2021	Fundamentals of JavaScript	---	30	
31	28-02-2022 to 03-03-2022	Blockchain: Introduction to Application	---	94	
32	02-04-2022 to 02-04-2022	Introduction To SAAS	---	105	

Depstar

33	06-10-2021 to 06-10-2021	NEXTJS – The React Framework	---	68	
34	30-10-2021 to 30-10-2021	Hands on Big Data	---	44	
35	09-10-2021 to 09-10-2021	Hands on Session on Git and GitHub	---	96	
36	20-06-2022 to 24-06-2022	CHARUSAT Endowment Chair activity on Theme Perspective in phytopharmacy	---	94	RPCP
37	18-04-2022 to 20-04-2022	Workshop on Emerging Trends and Techniques in Drug Design and Discovery	---	48	
38	21-01-2022 to 22-01-2022	Cosmeceuticals– The New Face of Health and Personal Care	---	64	
39	04-12-2021 to 05-12-2021	GSPC sponsored Refresher Course for Registered Pharmacists	---	246	
40	10-12-2021 to 11-12-2021	2021 3rd International Conference on Soft Computing and its Engineering Applications (icSoftComp2021)	---	203	CMPICA
41	08-01-2022 to 12-03-2022	Knowledge Sharing Session(s)	---	64	
42	21-02-2022 to 22-02-2022	Workshop on "Machine Learning and Deep Learning for Computer Vision"	---	102	
43	09-10-2021 to 09-10-2021	Publishing impactful research in journals: An international dialogue	---	155	IIIM
44	15-11-2021 to 15-11-2021	Strengthning Research Planning and Execution Skills: Improvising Research Planning Skills using Elsevier Tools	---	507	
45	15-11-2021 to 15-11-2021	Strengthning Research Planning and Execution Skills: Identifying Fake, Cloned, Predatory Journals in Academics	---	507	

46	23-05-2022 to 27-05-2022	Multivariate Data Analysis using SPSS	---	33	
47	21-10-2021 to 21-10-2021	Online Trading System and Capital Market Awareness	---	577	
48	10-06-2022 to 10-06-2022	MARKET KA EKLAVYA - Basics of Stock Investment	---	70	
49	28-05-2022 to 28-05-2022	Building Capacity for Research and Consultancy for Finance Faculty Members	---	5	
50	28-05-2022 to 28-05-2022	Building Capacity for Research and Consultancy for HR and Marketing Faculty Members	---	13	
51	01-07-2021 to 01-07-2021	Problem Solving in Mathematics	---	48	
52	07-08-2021 to 07-08-2021	Scope of Career in Data Science and Artificial Intelligence through Mathematics	---	86	
53	30-09-2021 to 01-10-2021	International Symposium on Recent Advances in Fractional Calculus (ISRAFC – 2021)	---	329	
54	09-10-2021 to 09-10-2021	Application of Advance Mathematics in Real-World Problem	---	126	
55	08-01-2022 to 08-01-2022	Mathematics in Science and Engineering	---	382	
56	09-01-2022 to 11-01-2022	International Conference on Emerging Trends in Biological Sciences (ICETBS-2022)	---	799	
57	08-03-2022 to 09-03-2022	Endowment chair lectures on "Microfluidics"	---	116	
58	02-04-2022 to 02-04-2022	One Dimensional Wave Equation: Solution and Simulation	---	31	
59	02-04-2022 to 02-04-2022	A Special Lecture on "Some topics in Differential Geometry"	---	31	

PDPIAS

60	08-04-2022 to 08-04-2022	Mathematics for Artificial Intelligence, Data Science and Machine Learning	---	175	
61	30-04-2022 to 30-04-2022	Bringing Mathematics and Engineering Together	---	394	
62	14-05-2022 to 14-05-2022	Data Science-Tools and Job Opportunities	---	175	
63	16-03-2022 to 01-04-2022	ARIP Adjunct Faculty Webinar Series	---	18	ARIP
64	09-07-2021 to 09-07-2021	Nurse-led Mental health clinic	---	21	
65	10-07-2021 to 10-07-2021	Protocol for conducting RCT	---	68	
66	21-07-2021 to 22-07-2021	Proposal writing for funding and nurse-led diabetic clinic	---	43	
67	26-07-2021 to 29-07-2021	OSCE/OSPE	---	24	
68	31-07-2021 to 31-07-2021	Nurse-led community programmes	---	21	
69	27-12-2021 to 27-12-2021	TB elimination cum sensitization	---	21	
70	18-04-2022 to 19-04-2022	Good clinical practice and ethical concerns in human research	---	21	
71	28-05-2022 to 28-05-2022	Community need assessment approach	---	164	
72	07/06/2021, 08/06/2021, 09/06/2021 and 30/06/2021	Soft Skill Training under the theme, "Building Better Relations and Communication Skills"	---	259	
73	10/06/2021, 11/06/2021, 12/06/2021 and 01/07/2021	Soft Skill Training under the theme, "Improve Accountability"	---	241	HRDC

74	10-12-2021 to 30-12-2021	Basic English and Soft Skills Training (BEST) - A Training Programme for Non-teaching staff members	8	
75	23-05-2022 to 28-05-2022	"Importance of Teaching and Learning"- Programme for Teachers having 0-5 years of teaching experience.	---	42
76	Mon. 27/06/2022 to Fri. 01/07/2022.	'Outcome Based Education'	---	60
77	06-06-2022 to 11-06-2022	e-GOVERNANCE AND it's MODULES	---	42
78	04-05-2022, 13-05-2022, 14-05-2022	"Soft Skill Training Programme for CDPC Members"		32
79	07-05-2022 to 07-05-2022	"Importance & Benefits of Housekeeping"		35

- Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

ME	26
CL	18
CE	19
IT	17
EC	17
EE	14
CSE	6
DEPSTAR	21

RPCP	25
CMPICA	16
IIIM	32
PDPIAS	34
ARIP	4
MTIN	24
CIPS	9
Other (Credp,HREDC,WDC,etc...)	0
CHARUSAT Submitted Data	282

Project and Summer Training

To enhance the employability and to enrich their professional competencies, the university has made the internships and training compulsory for all the courses. As per the requirement of the courses, the students of all the courses take internships and training in outside organizations. Following table shows the number of the students who have taken training/internships.

Institute/Branch	Number of students undertaking field projects / research projects / internships
ME	293
CL	175
CE	534
IT	488
EC	246
EE	110
DEPSTAR	1153
RPCP	109
CMPICA	423
PDPIAS	163
ARIP	92
MTIN	87
CIPS	115
Other (Credp,HREDC,WDC,etc...)	
CHARUSAT Submitted Data	3988

MoUs Signed:

CHARUSAT truly believe in collaboration for teaching, learning, research and extension activities. For the same, CHARUSAT signs MoUs with various institutes, companies, hospitals and universities. The details for the same, of the year, as follows:

SI No.	Institute/Department	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 under MoUs
1	CSPI T	IT	Industry	Aashka Infocom Pvt. Ltd. (Bascom Bridge Education Pvt. Ltd.)	2020	Ongoing	Trainers are providing online education for POST GRADUATE DIPLOMA IN CYBER SECURITY (* activities going on)
2		EC	Industry	EINFOCHIPS AN ARROW COMPANY	2022	3 Years	To establish close and continuing interaction to improve industrial exposure to the students through industrial training and workshop
3		Industry/Association	Energy Systems Engineering, Vadodara	2020	Until Terminated with Mutual Agreement	Expert talk on Smart City	Teachers - 3, Students - more than 50
4		CSE	Industry	Sort Hat Technologies Pvt.Ltd(CodeChef)	2021	1 Year	Orientation towards Online platform for competitive programming, Periodic Programming assessment tests
	DEPSTAR				NIL		
5	RPCP	Industry/Association	Mahagujarat Medical Society	2019	10 years	Students project	Initiate Collaborative projects (7 Projects identified)- 7 faculty and 14 students
6		Hospital	Muljibhai Patel Urology Hospital	2019	3 years	Students project	3 Projects- 3 Students and 3 Faculty
7		Industry	Zycie Technolegal LLP	2019	5 years	Consultancy project	1 Project, 5 Faculty and 7 students
8		Industry	Amerise Pharmaceuticals Pvt. Ltd.	2019	5 years	Consultancy project	2 Project, 4 Faculty and 2 students

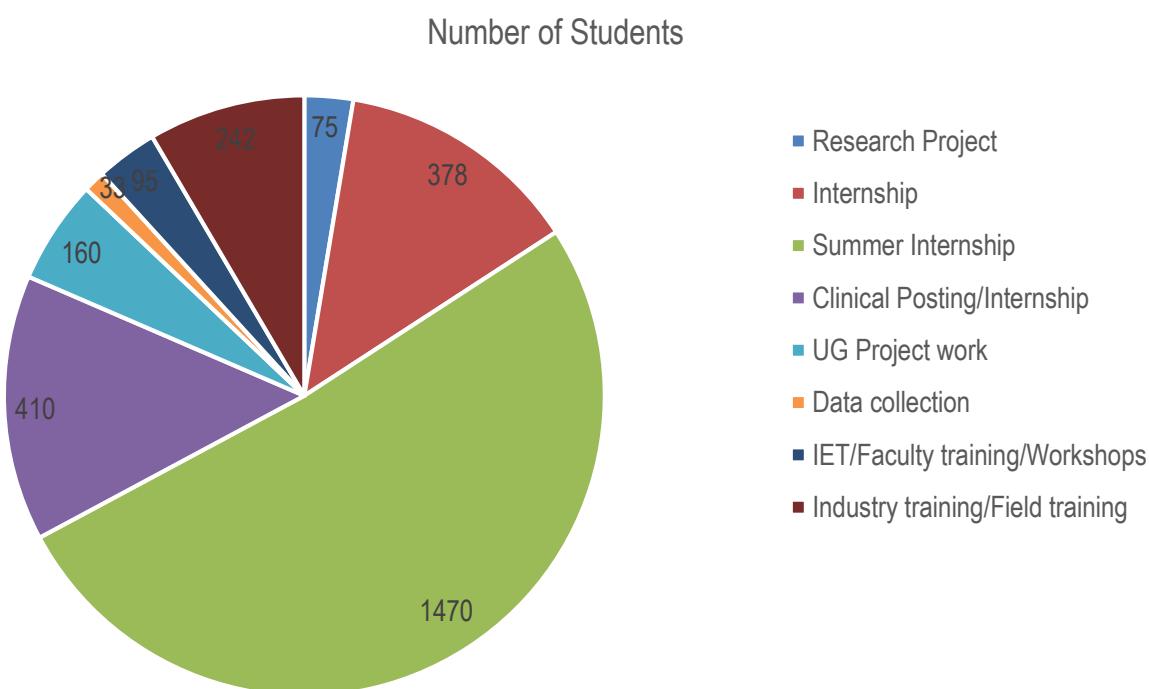
9		Industry	Apnar Pharma Pvt. Ltd.	2021	3 years	Consultancy project	1 Project, 3 Faculty and 2 students
10		Industry	Cadila Healthcare Ltd	2020	6 years	Research and Consultancy, Continuing education, Manpower training	Deputed RA students for Project (1)
11		University/Institute	ISF college of Pharmacy, Punjab	2021	5 years	Invited talk, Research activities, Industrial visit, Instrument, laboratory and library support	Invited talk for refresher course, number of participants 200
12	CMPICA	IIRS-ISRO	IIRS-ISRO	2021	Until Terminated with Mutual Agreement	Online exam	-
13	IIIM	Industry	Acorn Universal Consultancy LLP	2021	Ongoing	Internship	-
14		Industry	BSE-IPF	2021	Ongoing	-	-
15	PDPIAS	University/Institute	St. Xavier's College, Kathmandu, Nepal	2020	5 Years	Faculty Programme, Joint Research Programme, Activity Exchange Programme, Student Exchange	-
16		Industry	EdCIL (INDIA) Limited	2022	3 years	Study in India Programme	-
17		Industry	Savli Technology and Business Incubator	2022	3 years	Technopreneurship Programme, Collaborative Projects	-
18		Industry	O2h discovery Pvt Ltd.	2022	5 Years	Student development	-
19		Industry/Association	Board of Apprenticeship Training, Mumbai & Life Sciences Skill Development Council, New Delhi	2022	3 years	Apprenticeship/Internship Embedded Degree Programme	-
20		Industry	Lubgraf Synoils Private Limited	2020	3 years	Project work	-
21		Industry	FemFluid Corporation	2019	3 years	Project work	-
22	ARIP	Hospital	Sheth HJ Mahagujarat Hospital, Nadiad	2019	5 years	Educational support for clinical exposure training of BPT, MPT students, Research Activities, Internship	249
23		Hospital	J.S Ayurved Mahavidyalaya, Nadiad	2019	5 years	Educational support for clinical exposure training of BPT,	219

					MPT students, Research Activities, Internship	
24		Hospital	DDMM heart Institute, Nadiad	2019	3 years	Educational support for clinical exposure training of BPT, MPT students
25		Hospital	Health Center Anand	2019	5 years	Educational support for clinical exposure training of BPT, MPT students
26		Rehabilitation Center	Shree Santaram Physiotherapy center, Nadiad	2019	5 years	Educational support for MPT students, Research Activities, Internship
27		Institute	KMPIP, Bhaikaka University, Karamsad	2021	Open ended	Internship
28		Institute	Sarvajanik College of physiotherapy, Surat	2015	Open ended	Research Activities and data collection
29	MTIN	Hospital	Shree Krishna Hospital Karmsad	2018	3 year	Clinical posting
30		Hospital	DDMM Heart Institute ,Nadiad	2019	3 year	Clinical posting
31		Hospital	Medical care centre trust (MCCT)	2017	5 year	Clinical posting
32		Hospital	N.D Desai faculty of medical sciences & research	2021	1 Year	Clinical posting
33	BDIPS	Hospital	Anand Surgical Hospital, Ahmedabad - BMIT-CIPS	2020	3 Year	Students training under medical imaging equipments, Patient care in radiology department
34		Hospital	Anand Surgical Hospital, Ahmedabad - OTAT-CIPS	2020	3 Year	Students training to handle the patient and anaesthesia equipment and post op care
35						
36		Hospital	Narayana Multi speciality hospital, Ahmedabad- BMIT-CIPS	2020	3 Year	Students training under medical imaging equipments, Patient care in radiology department
37	CSRTC	ISRO	Space Applications Centre -ISRO	2021	5 Year	Project work
38	UIIC	Industry/Association	Federation of Gujarat Industries (FGI), Vadodara	2022	5 years	Planning to start a course for industries in "Industrial Safety" in association with FGI
						Teachers- 2
						Teachers - 2, Students - 2
						Teachers - 2
						-
						Teachers- 5

40	IIIM	University/Institute	Vaikunth Mehta National Institute of Cooperative Management (VAMNICOM), Pune	2020	3 years	International Online Certificate Programmes	Teachers- 2
39	UIIC	Industry/Association	Slovak Academy of Sciences	2020	5 years	One research paper is published (TR impact factor: 3.169) in 2021 as a part of collaborating activity in the first year. The work was carried out jointly, fluid was prepared by us and some of the characterizations were done at Slovakia.	Teachers- 2

Collaborative Activities with Other Institutions/ Research Establishment/Industry for Research and Academic Development of Faculty and Students:

CHRUSAT Believes in Collective Growth Through Collaboration. For The Same Purpose, CHARUSAT Collaborates with Various Institutes, Research Establishment/, Industry for Research and Academic Development of Faculty and Students. The Summary of Such Collaborations are as Mentioned Under:



Part 3

Financial statement of the year

: AUDIT REPORT :

For the year period ending 31st March 2022 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. Devang Joshi** 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 : 07th APRIL 2022**




B. C. PATEL & CO.
Chartered Accountants

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

CHARUSAT

Balance Sheet as on 31st March 2022
[Consolidated]

Funds & Liabilities	Sch.	Amount (Rs.)	Amount (Rs.)	Assets & Receivables	Sch.	Amount (Rs.)	Amount (Rs.)
Funds:				Assets Gross Block:			
Robotics Club Membership Fee			41000.00	Assets Block	Z1	915212559.52	
University Development Fund		307034062.00	338470562.00	Add.: During the Year		174179122.36	
Add.: During the year		31436500.00		<u>Less:</u> Write Off		4535646.17	1084856035.71
Institutions Development Fund		1172995280.00	1292995280.00	Deposit & Advances:			
Add.: During the year		120000000.00	145960305.00	Fixed Deposit [GNM+B.Sc. Nur.+ B.Optio + B.Phys]		266630317.81	
Exam Unit Fund		126710305.00		Fixed Deposit [Short Term]		279800000.00	
Add.: During the year		19250000.00		Fixed Deposit [Endowment, Gold Medal and Scholarship Fund]	Z2	582087395.50	
Earmarked Fund:				Others Deposits	Z4	3899503.70	
Endowment Fund [Chairs & Others]	Z9	260950736.43		Advance To Other	Z5	12973551.22	905390768.23
Student Scholarship Fund	Z10	86626062.00			Z6		
Charusat Earmarked Fund	Z11	106356296.05		Receivable A/C::	Z7		14312034.14
Endowment Fund [Gold Medal]	Z12	34712737.00		Receivable A/C. [T.D.S + Misc.]			
Depreciation Fund				Kelavani Mandal:			214547551.75
Creditors & Other Liabilities:				Charotar Moti Sattavis P.K. Mandal			
Project Fund	Z13	19508512.66		Closing Stock:			
Students Deposit		96498072.61		Closing Stock [Uni. Store]			
Other Deposit [Vendors Deposit]		1631803.00		Cash & Bank Balance:			
Liabilities for Advances	Z14	40249166.64		As per Schedule			
Sundry Creditors	Z15	615057.00					56391579.61
Expense Payable		288750.00		Income & Expenditure A/c:			
				Previous Year			
				<u>Less:- Current Year</u>			
							788979028.18
							47266820.88
							741712207.30
				TOTAL			3018343352.39

Examined & Found Correct.

Dr. R. V. Upadhyay
Provost
Surendra M Patel
PresidentDate : 07th April, 2022
Place : Changa
Dr. Devang Joshi
Registrar

CONSOLIDATED**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

Income & Expenditure Account for the Period from 1st April 2021 to 31st March 2022
[Consolidated]

Income	Sch.	Amount (Rs.)	Expenditure	Sch.	Amount (Rs.)
Fees Income:-					
Fees Income	Z34	1074059713.00	Salaries & Allowances	Z16	455750111.22
University Exam Fees Income	Z35	13858450.00	Staff Development & Training Expenses	Z17	6707995.00
Other Course & Project Income	Z36	7455852.05	Students Welfare & Training Expenses	Z18	43434925.59
	Z37		Lab. Dev. & Consumable Expenses	Z19	15844671.19
Income From Other Sources	TO Z41	48753819.11	Seminar & Workshop Expenses	Z20	2191613.00
Chamos Charusat M-C-M Scholarship		22280750.00	Learning Resources Expenses	Z21	23397536.58
Scholarship Support		15944600.00	R & D Expenses	Z22	19270446.25
			CHARUSAT Uni. Exam Expenses	Z23	9914344.94
			Affiliation/ Accreditation/ Approval Expenses	Z24	3934834.00
			Admission Process Expenses		3803290.50
			Convocation Expenses		4299558.00
			Chamos Charusat M-C-M Scholarship Expenses		22280750.00
			Various Scholarship Expenses	Z25	62306897.00
Administrative Expenditures:-					
Stationery & Printing Expenses			Stationery & Printing Expenses	Z26	1785318.90
Travelling & Transportation Expenses			Travelling & Transportation Expenses		5663313.00
Electricity Expenses			Electricity Expenses		4923680.11
Postage & Telephone Expenses			Postage & Telephone Expenses		341843.00
Audit & Legal Expenses			Audit & Legal Expenses		663700.00
Advertise & Promotional Expenses			Advertise & Promotional Expenses		7073586.00
Building Cleaning Expenses			Building Cleaning Expenses		11704642.00
Security Expenses			Security Expenses		6181939.00
Hospitality Expenses			Hospitality Expenses		1359526.50
Annual General Meeting & Report Expenses			Annual General Meeting & Report Expenses		11055.00
Miscellaneous & Other Expenses			Miscellaneous & Other Expenses	Z27	2708785.87

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT

Income & Expenditure Account for the Period from 1st April 2021 to 31st March 2022
[Consolidated]

Income	Sch.	Amount (Rs.)	Expenditure	Sch.	Amount (Rs.)
Capital Related Expenditures:-					
Insurance Premium Expenses	Z28				1293528.00
General Maintenance & Repairing Expenses					15126780.24
Legal Consultancy Charges					1232560.00
Write-off Expenses					38489.00
Electric Main. & Repairs Expenses	Z29				5939656.15
Garden / Campus Environment Expenses					9546844.00
Depreciation Expenses [Furni. & Equip]					61542937.00
Interest on Capital Investment Expenses	Z30				82099000.00
Student Facilities Charges					2300000.00
Patent & Trade Marks Registration Fees					491851.80
Government Taxes					3722724.44
Research & Development:-					
Research & Development Expenses to KCP R&D	Z31				2227000.00
Uni. Development Expenses	Z32				31436500.00
Rural Development Expenses [CREDP]					3300000.00
Human Resource Devt. Expenses [HRDC]					850000.00
Space Technology Research Expenses [CSRTTC]					841130.00
Research & Development (Others):					
Development Reserve [Gold Medal Price Hedge Fund]					5000000.00
Development Reserve [Chair For R & D Work]					5000000.00
Development Reserve [Chair For Artificial Int. Center]					5000000.00
Development Reserve [Furni & Equip.]					12000000.00
Development Reserve [Chair's] [Refer Sch:Z9]	Z33				42500000.00
Excess of Income over Expenses					47266820.88
TOTAL		1182353184.16			TOTAL
					1182353184.16
Examined & Found Correct					
 Dr. R. V. Upadhyay Provost					
 Surendra M. Patel President					
 C. PATEL & CO. • ANAND. Mem. No. 32231 Chartered Accountants					
Date : 07 th April, 2022					
Place : Chang					
 Dr. Devang Joshi Registrar					
F.Y 2021-22					
Page 2 of 2					



Charotar University of Science and Technology

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