



**GUJARAT
TECHNOLOGICAL
UNIVERSITY**
AN INTERNATIONAL INNOVATIVE UNIVERSITY
(Accredited with A+ Grade by NAAC)
State Government University

Bulletin - Research & Academic Publications

January-March, 2026

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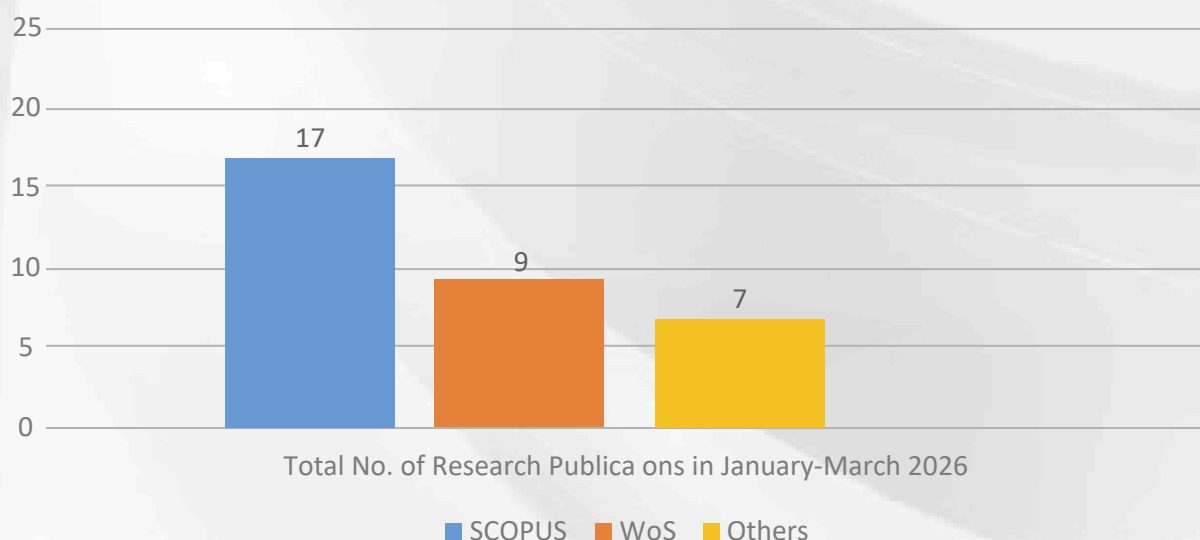
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SUMMARY (January-March, 2026)

Sr. No.	Title	No.
01	Research Projects	2
02	Research Papers	SCOPUS 17
		WoS 9
		Others 7
03	Patents	Utility 5
		Design 4
04	Books	11
05	Awarded Ph.D. Thesis Abstract	45

Total No. of Research Publications in January-March 2026



MESSAGE FROM HON'BLE VICE CHANCELLOR



Dear Faculty Members and Researchers,

It is a great pleasure to release the GTU R&D Bulletin, which showcases our outstanding achievements and reflects our unwavering commitment to advancing knowledge, thereby strengthening research excellence and enhancing GTU's standing in the region.

At GTU, we nurture a dynamic and steadily evolving research ecosystem driven by the resolute commitment of our esteemed faculty and dedicated researchers. We continue to strengthen our academic and research base across engineering, technology, pharmacy, management, applied sciences, and emerging disciplines by collaboration and encouraging multidisciplinary engagements.,

Research projects, publications, patents, and other scholarly accomplishments play a vital role in shaping a robust university research culture. Through this bulletin, we aim to share your achievements to academia, research organizations, and industry partners; fostering collective growth and meaningful collaboration.

We extend our heartfelt congratulations to all faculty members and researchers whose work is featured in this bulletin. We encourage others to continue submitting their research achievements to the GTU R&D Cell to strengthen and enrich the research ecosystem of the university and state, and contribute meaningfully towards nation development.

Best Wishes,

(Dr. R. K. Gajjar)
Vice Chancellor,
Gujarat Technological University,
Ahmedabad



MESSAGE FROM REGISTRAR



Dear Faculty Members, Students and Researchers,

Namaskar!!

Research is the quest for discovery, and universities nurture it to advance knowledge. The release of this quarterly bulletin gives me immense pleasure in showcasing your contributions through various research projects, papers, patents, etc.

Your commitment to excellence by publishing in peer-reviewed journals is invaluable and reflects on the overall research ecosystem of the University and also contributes towards sustainability. Faculty members from GTU-Schools, GTU-ITR and affiliated colleges are encouraged to get involved in collaborative research by working across-disciplines.

The publication of this bulletin not only celebrates our accomplishments but also becomes an essential document for other purposes. As such, all faculty members should send their achievements to the R&D Cell for wider outreach and recognition. Together, we can make our research environment even stronger and improve the current scenario.

May you continue this pursuit of learning and critical thinking for the betterment of mankind. Congratulations to all who have contributed to this bulletin.

Best Wishes,
Dr. K. N. Kher
Registrar, GTU, Ahmedabad

MESSAGE FROM DIRECTOR, RDC



It gives me immense pleasure to present the subsequent issue of the quarterly bulletin showcasing the academic and research contributions of the research scholars and research supervisors of the University.

This bulletin encompasses the achievements of past three months which includes research article publications, patents filed/published/granted, authored course books, and PhD theses awarded by GTU. This bulletin can serve as a valuable and readily accessible source of information reflecting the academic and research accomplishments of our research community.

The compiled data greatly supports the University's R&D Cell in planning and organizing focused, impactful, and research-oriented initiatives. Furthermore, the regular publication of this bulletin enhances the visibility of the scholarly work carried out by our researchers and is expected to contribute towards improving the citation impact of research publications.

The R&D Cell has continued to collect research-related information from research scholars and supervisors on a quarterly basis, and placing every efforts to ensure the timely and consistent publication of bulletin.

On behalf of the University and the R&D Cell, I sincerely express my gratitude to all research scholars and supervisors for their valuable cooperation in providing the necessary information for the compilation of this bulletin. We look forward to receiving the same enthusiastic support in the forthcoming editions as well.

I also extend my heartfelt congratulations to the entire team of the R&D Cell for continuing the practice of collection and compilation of research data in the form this bulletin. We express our sincere thanks to Media cell of the University for the attractive design of the bulletin.

Dr. R. A. Thakker
Director – R & D Cell
GTU – Ahmedabad

RESEARCH PROJECTS

01

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Title of Research project	Cellline development and propagation from (deep) marine verte-invertebrates through transcriptome-based reprogramming
Name of the PI	Dr. Neelam Nathani
Name of Co-PI (if any)	Dr. Chandrashekar Mootapally, Dr. Vaibhav Bhatt
Name of the Institute of Co-PI	GTU-School of Applied Sciences and Technology
Name of the Granting Agency	Ministry of Earth Sciences, Govt. of India
Type of Granting Agency	Govt.
Date of Award	28-01-2025
Date of Publication	14-01-2026
End Date of Research Project	14-01-2028
Amount Sanctioned (in INR or US dollars)	Rs.1,82,84,460
Upload a Copy of Sanctioned Letter	https://drive.google.com/open?id=1Ggolm_eXCgfSU_RS7CHu8D1lkP1gdDjw
Specify the SDG	Good Health and Well-being, Industry , Innovation and Infrastructure, Responsible Consumption and Production, Life below Water

RESEARCH PROJECTS

02

Name of Institute	GTU – School of Engineering & Technology (137)
Title of Research project	Leveraging Deep Learning on NISAR L&S Band SAR Data for Marine Pollution (Oil Spill) Trajectory Analysis
Name of the PI	Dr. Swati Jain
Name of Co-PI (if any)	Dr. Madhuri Bhavsar
Name of the Institute of Co-PI	GTU - School of Engineering and Technology
Name of the Granting Agency	ISRO
Type of Granting Agency	Govt.
Date of Award	23-01-2026
Date of Publication	02-03-2026
End Date of Research Project	08-03-2029
Amount Sanctioned (in INR or US dollars)	Rs.23,30,0000
Upload a Copy of Sanctioned Letter	https://drive.google.com/open?id=1U2RrBrh6VtyxIhUGP4EcHww92-O0kEd8
Specify the SDG	Clean Water and Sanitation, Life below Water

RESEARCH PAPERS

Research Papers (Engineering-Supervisors)

01

Name of Institute	L.D. College of Engineering (028)
Title of Article	Graphene-enhanced Cr-Ti-TiN broadband absorber for solar thermal systems: a computational and machine learning approach
Name of Authors	Khaled Aliqab, Bo Bo Han, Ashish Baldania, Ammar Armghan, Meshari Alsharari, Shobhit K. Patel
Name of Corresponding Author	Ammar Armghan
Name of the Journal	Journal of Computational Electronics
Indexed	SCOPUS
ISSN No.	1569-8025
URL	https://doi.org/10.1007/s10825-026-02516-5
Date of Publication	17-02-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure, Climate Action

02

Name of Institute	L. D. College of Engineering, Ahmedabad (028)
Title of Article	Design and thermal engineering optimization of ultra-stable metamaterial solar thermal absorbers through machine learning for industrial heating applications
Name of Authors	Abdulkarem H.M. Almawgani, Abdulrhman Alshaabani, Raj Agravat, Ashish Baldania, Mohamad A. Alawad, Yogesh Sharma, Shobhit K. Patel
Name of Corresponding Author	Abdulkarem H.M. Almawgani
Name of the Journal	Case Studies in Thermal Engineering
Indexed	SCOPUS
ISSN No.	2214-157X
URL	https://doi.org/10.1016/j.csite.2026.107905
Date of Publication	04-03-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure, Climate Action

03

Name of Institute	L. D. College of Engineering, Ahmedabad (028)
Title of Article	Smart graphene-enhanced ceramic material refractive index sensor simulation design developed for highly sensitive breast Cancer detection optimized with machine learning
Name of Authors	Bo Bo Han, Shobhit K. Patel, Ashish Baldania, Yogesh Sharma, Fahad Ahmed Alzahrani
Name of Corresponding Author	Fahad Ahmed Alzahrani
Name of the Journal	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
Indexed	SCOPUS
ISSN No.	1386-1425
URL	https://doi.org/10.1016/j.saa.2026.127742
Date of Publication	15-03-2026
SDG	Good Health and Well-being

04

Name of Institute	L. D. College of Engineering, Ahmedabad (028)
Title of Article	Next-generation segmented Halo-T metamaterial ultra-wideband design using MXene-TiO ₂ -Cu materials performance prediction and optimization with machine learning assisted solar absorber for industrial heating systems
Name of Authors	Naim Ben Ali, Raj Agravat, Habib Kraiem, Aymen Flah, Ashish Baldania, Yogesh Sharma, Mahaveer Jain, Shobhit K. Patel
Name of Corresponding Author	Aymen Flah
Name of the Journal	Materials Today Advances
Indexed	SCOPUS
ISSN No.	2590-0498
URL	https://doi.org/10.1016/j.mtadv.2026.100763
Date of Publication	27-03-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure, Climate Action

05

Name of Institute	Lukhdhirji Engineering College, Morbi (031)
Title of Article	Enabling ML-driven threat detection: An analysis of IoT network traffic datasets
Name of Authors	Punit Saswadkar, Tejas Vasavada
Name of Corresponding Author	Dr. Tejas Vasavada
Name of the Journal	Computer Communications
Indexed	WoS & SCOPUS
ISSN No.	0140-3664
URL	https://doi.org/10.1016/j.comcom.2026.108500
Date of Publication	28-03-2026
SDG	Industry, Innovation and Infrastructure

Research Papers (Pharmacy-Supervisors)

01

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Curcumin-Loaded Polymeric Nanogel: Design, Optimization, and Characterization
Name of Authors	Priya Patel, Gokul H. Bhimajiyani, Bhupendra G. Prajapati, Devesh U. Kapoor
Name of Corresponding Author	Devesh U. Kapoor
Name of the Journal	Biomedical Materials & Devices
Indexed	SCOPUS
ISSN No.	2731-4820
URL	https://link.springer.com/article/10.1007/s44174-026-00636-x
Date of Publication	12-01-2026
SDG	Good Health and Well-being

02

Name of Institute	Anand Pharmacy College (205)
Title of Article	Depression patient-friendly formulation containing escitalopram and ascorbic acid: design, optimization, characterization, and in vivo taste assessment
Name of Authors	Hardik Rana, Parth Patel, Vaishali Thakkar, Tejal Gandhi, Pranay Shah
Name of Corresponding Author	Hardik Rana
Name of the Journal	Naunyn-Schmiedeberg's Archives of Pharmacology
Indexed	SCOPUS
ISSN No.	0028-1298
URL	https://link.springer.com/article/10.1007/s00210-026-05190-3
Date of Publication	02-04-2026
SDG	Good Health and Well-being

03

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Advancing Repaglinide delivery: Development and evaluation of optimized liposomal systems
Name of Authors	Rabi S. Chakraborty, Roopa Karki, Sonam M. Gandhi, Naitikkumar D. Trivedi, Bhupendra G. Prajapati, Devesh U. Kapoor
Name of Corresponding Author	Devesh U. Kapoor
Name of the Journal	Next nanotechnology
Indexed	SCOPUS
ISSN No.	2949-8295
URL	https://www.sciencedirect.com/science/article/pii/S2949829526000252
Date of Publication	06-02-2026
SDG	Good Health and Well-being

04

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Optimized Clove Oil-Based Nanoemulsion of Ofloxacin for Otic Delivery: Physicochemical Characterization, Stability, and in Vitro Release Evaluation
Name of Authors	Feni Patel, Devesh U. Kapoor, Bhupendra G. Prajapati, Himanshu Paliwal
Name of Corresponding Author	Bhupendra G. Prajapati
Name of the Journal	Biomedical Materials & Devices
Indexed	SCOPUS
ISSN No.	2731-4820
URL	https://link.springer.com/article/10.1007/s44174-026-00669-2
Date of Publication	26-02-2026
SDG	Good Health and Well-being

05

Name of Institute	L. M. College of Pharmacy (228)
Title of Article	Microemulsions versus nanoemulsions: A comparative overview of features, formulation, and pharmaceutical applications
Name of Authors	Jimil Gandhi , Vidhi Shah , Radhika Pandya , Meesaree Shah , David Julian McClements, Dinesh O. Shah
Name of Corresponding Author	Vidhi Shah
Name of the Journal	Advances in Colloid and Interface Science
Indexed	SCOPUS
ISSN No.	0001-8686
URL	https://www.sciencedirect.com/science/article/abs/pii/S0001868626001065
Date of Publication	20-03-2026
SDG	Quality Education

06

Name of Institute	Anand Pharmacy College (205)
Title of Article	Design and Development of Prolong-acting Intelligent Nano-depot (PaIND) for Improving Patient Adherence
Name of Authors	Hardik Rana, Shreya Gohel, Prachi Rabari, Dhruvixa Patel, Vaishali Thakkar, Tejal Gandhi
Name of Corresponding Author	Hardik Rana
Name of the Journal	AAPS PharmSciTech
Indexed	SCOPUS
ISSN No.	1530-9932
URL	https://link.springer.com/article/10.1208/s12249-026-03397-4?utm_source=chatgpt.com
Date of Publication	25/03/2026
SDG	Good Health and Well-being

07

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Development and Characterization of a Crisaborole-Loaded Niosomal Gel for Enhanced Topical Delivery in Atopic Dermatitis Management
Name of Authors	Sonam M. Gandhi, Rajbhar Nandanam Ashok, Devesh U. Kapoor, Omar Awad Alsaidan
Name of Corresponding Author	Devesh U. Kapoor
Name of the Journal	Journal of Pharmaceutical Innovation
Indexed	WoS & SCOPUS
ISSN No.	1872-5120
URL	https://link.springer.com/article/10.1007/s12247-025-10357-1
Date of Publication	12-01-2026
SDG	Good Health and Well-being

08

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Natural Protective Mechanisms of Cucumis callosus Leaves in Escherichia Species-Induced Urinary Tract Infection: An Integrated In Silico and In Vivo Study
Name of Authors	Meenal Sahu, Tripti Paliwal, Radhika Joshi, Arya Kuhu Vishwapriya, Namita Misra, Smita Jain, Gautam Singhvi, Gulshan Kumar, Devesh U. Kapoor, Dipjyoti Chakraborty, Swapnil Sharma
Name of Corresponding Author	Devesh U. Kapoor
Name of the Journal	Pathogens
Indexed	WoS & SCOPUS
ISSN No.	2076-0817
URL	https://www.mdpi.com/2076-0817/15/1/111
Date of Publication	19-01-2026
SDG	Good Health and Well-being

09

Name of Institute	Dr. Dayaram Patel Pharmacy College, Bardoli (406)
Title of Article	Development and Evaluation of Econazole Nitrate Loaded Cubosomal Gel for Enhanced Topical Antifungal Therapy
Name of Authors	Sonam M. Gandhi, Yakub Ismail Bhorat, Devesh U. Kapoor, Samaresh Pal Roy, Omar Awad Alsaidan, Sami I. Alzarea
Name of Corresponding Author	Devesh U. Kapoor
Name of the Journal	Journal of Pharmaceutical Innovation
Indexed	WoS & SCOPUS
ISSN No.	1939-8042
URL	https://link.springer.com/article/10.1007/s12247-026-10513-1
Date of Publication	28-02-2026
SDG	Good Health and Well-being

10

Name of Institute	Sri Sarvajani Pharmacy College (245)
Title of Article	Siachen Glacier as Highest Battlefield on Earth and the Third Pole
Name of Authors	Dr. Pruthviraj K. Chaudhary, Shloka V. Chaudhari, Dr. Ramesh D. Chaudhary, Anal Kirtikumar Patel, Sanjaykumar A. Chaudhary, Anandkumar M. Raval, Siddharth R. Chaudhari, Dr. Dhruvo Jyoti Sen, Dr. H. D. Karen
Name of Corresponding Author	Dr. Pruthviraj K. Chaudhary
Name of the Journal	World Journal of Pharmaceutical and Medical Research
Indexed	Others
ISSN No.	3051-2557
URL	https://www.wjpmr.com/home/article_abstract/7274
Date of Publication	01-01-2026
SDG	Good Health and Well-being, Quality Education, Clean Water and Sanitation, Affordable and Clean Energy, Climate Action, Life on Land

11

Name of Institute	Sri Sarvajani Pharmacy College (245)
Title of Article	Interface between Chemistry and Geophysics in Asteroids; The Minor Planet
Name of Authors	Dr. Pruthviraj K. Chaudhary, Dr. Dhiren L. Chaudhari, Dr. Dhrubo Jyoti Sen, Jay M. Patel, Krutik P. Patel, Het P. Patel
Name of Corresponding Author	Dr. Pruthviraj K. Chaudhary
Name of the Journal	European Journal of Biomedical and Pharmaceutical sciences
Indexed	Others
ISSN No.	2349-8870
URL	https://www.ejbps.com/ejbps/abstract_id/12136
Date of Publication	01-02-2026
SDG	Affordable and Clean Energy

12

Name of Institute	Sri Sarvajani Pharmacy College (245)
Title of Article	MIME is such a body language with facial expression in front of Audience using exaggerated gestures to Make Speechless Everyone
Name of Authors	Dr. Pruthviraj Chaudhary, Dr. Dhrubo Jyoti Sen, Dushyant P. Chaudhary, Dipal P. Chaudhary, Chetanaben D. Kalani
Name of Corresponding Author	Dr. Pruthviraj Chaudhary
Name of the Journal	International Journal of Modern Pharmaceutical Research
Indexed	Others
ISSN No.	2319-5878
URL	https://ijmpronline.com/home/article_abstract/1449
Date of Publication	01-02-2026
SDG	Good Health and Well-being

Name of Institute	Sri Sarvajani Pharmacy College (245)
Title of Article	Oil Refinery Converts Crude Petroleum Products into Usable Products
Name of Authors	Dr. Pruthviraj K. Chaudhary, Heliben Hitendrakumar Soni , Dr. Dhrubo Jyoti Sen
Name of Corresponding Author	Dr. Pruthviraj K. Chaudhary
Name of the Journal	World Journal of Pharmaceutical and Medical Research
Indexed	Others
ISSN No.	3051 - 2557
URL	https://www.wjpmr.com/home/article_abstract/7494
Date of Publication	01-03-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure

Research Papers (Biotechnology-Supervisors)

01

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Title of Article	Transcriptome based functional atlas of venomous spines: A first report on Dwarf lionfish
Name of Authors	Parthkumar Prajapati, Ketankumar Panchal, Prakash Koringa, Subhash Jakhesara, Neelam Nathani, Chandrashekar Mootapally
Name of Corresponding Author	Neelam Nathani, Chandrashekar Mootapally
Name of the Journal	Toxicon
Indexed	WoS & SCOPUS
ISSN No.	1879-3150
URL	https://www.sciencedirect.com/science/article/pii/S0041010126000139
Date of Publication	10-01-2026
SDG	Good Health and Well-being, Quality Education, Industry, Innovation and Infrastructure, Life below Water, Partnerships for the Goals

04

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Title of Article	Cross-continental venom narratives: proteo-transcriptomic insights into Hydrophis cyanocinctus of India and China
Name of Authors	Parthkumar Prajapati, Raja Bhaiyya, Ravindra Pal Singh, Nilay Shah, Indra R. Gadhvi, Neelam Nathani, Chandrashekar Mootapally
Name of Corresponding Author	Neelam Nathani, Chandrashekar Mootapally
Name of the Journal	Archives of Toxicology
Indexed	WoS & SCOPUS
ISSN No.	1432-0738
URL	https://link.springer.com/article/10.1007/s00204-026-04323-0
Date of Publication	27-02-2026
SDG	Good Health and Well-being, Quality Education, Industry, Innovation and Infrastructure, Life below Water, Partnerships for the Goals

Research Papers (Engineering-Scholars)

01

Enrollment No.	229999911001
Title of Article	Process development and multi-criteria optimization of industrial large-scale integrated carbon capture and sulphur recovery process: A step towards cleaner energy and waste valorization
Name of Authors	Swaprabha P. Patel, Ashish M. Gujarathi, Piyush B. Vanzara
Name of Corresponding Author	Ashish M. Gujarathi
Name of the Journal	Journal of Cleaner Production
Indexed	SCOPUS
ISSN No.	0959-6526
URL	https://doi.org/10.1016/j.jclepro.2025.147449
Date of Publication	06-01-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure, Climate Action

02

Enrollment No.	189999919042
Title of Article	Influence of active cooling on microstructure and mechanical properties of wire arc additively manufactured 5356 aluminium alloy
Name of Authors	Dhaval B. Patel, Dr. Akshay A. Pujara
Name of Corresponding Author	Dr. Akshay A. Pujara
Name of the Journal	Engineering Research Express
Indexed	SCOPUS
ISSN No.	2631-8695
URL	https://doi.org/10.1088/2631-8695/ae35e4
Date of Publication	19-01-2026
SDG	Industry, Innovation and Infrastructure

03

Enrollment No.	239999913019
Title of Article	Enabling ML-driven threat detection: An analysis of IoT network traffic datasets
Name of Authors	Punit Saswadkar, Tejas Vasavada
Name of Corresponding Author	Tejas Vasavada
Name of the Journal	Computer Communications
Indexed	SCOPUS
ISSN No.	0140-3664
URL	https://doi.org/10.1016/j.comcom.2026.108500
Date of Publication	28-03-2026
SDG	Industry, Innovation and Infrastructure

04

Enrollment No.	199999919525
Title of Article	Response Surface Methodology-based Modeling and Optimization of AISI 1040 Turning Using Al ₂ O ₃ and ZnO Nanofluids Under Minimum Quantity Lubrication
Name of Authors	Altaf Nalbandh, Neeraj Chavda, Rakesh Bumataria
Name of Corresponding Author	Neeraj Chavda
Name of the Journal	Journal of Environmental Nanotechnology
Indexed	SCOPUS
ISSN No.	2319-5541
URL	https://nanoient.org/journals/index.php/jent/article/view/2832
Date of Publication	30-03-2026
SDG	Good Health and Well-being, Clean Water and Sanitation, Affordable and Clean Energy, Sustainable Cities and Communities, Climate Action

05

Enrollment No.	209999919020
Title of Article	Development and Implementation of an Industrial IoT-Based Real-Time Process Monitoring System to Improve Overall Equipment Effectiveness (O.E.E.) of Bearing Manufacturing Process
Name of Authors	Manan Bhavesh Raval, Hirenkumar Indravadan Joshi, Bharat Khatri, Janak Valaki
Name of Corresponding Author	Hirenkumar Indravadan Joshi
Name of the Journal	Journal of Engineering and Technology for Industrial Applications
Indexed	SCOPUS
ISSN No.	2447-0228
URL	https://itegam-jetia.org/journal/index.php/jetia/article/view/2410/1323
Date of Publication	31-03-2026
SDG	Industry, Innovation and Infrastructure

06

Enrollment No.	23999914001
Title of Article	Coil guns: a review on various design aspects and potential research areas
Name of Authors	Vasimmahamad Ghanchi, Ketan P. Badgujar
Name of Corresponding Author	Ketan P. Badgujar
Name of the Journal	Sadhana - Academy Proceedings in Engineering Sciences
Indexed	WoS
ISSN No.	0973-7677
URL	https://link.springer.com/article/10.1007/s12046-025-03048-7
Date of Publication	17-01-2026
SDG	Climate Action

Enrollment No.	209999919020
Title of Article	An Investigation into the Impact of Technological Advancements, Advanced Manufacturing Methods and Industry 4.0 Adoption on the Bearing Manufacturing Industry: A Research Framework
Name of Authors	Manan Bhavesh Raval, Hirenkumar Indravadan Joshi, Janak Valaki, Bharat Khatri, Amit D. Modi, Kaushal H. Bhavsar
Name of Corresponding Author	Hirenkumar Indravadan Joshi
Name of the Journal	Indian Journal of Science and Technology
Indexed	WoS
ISSN No.	0974-6846
URL	https://indjst.org/articles/an-investigation-into-the-impact-of-technological-advancements-advanced-manufacturing-methods-and-industry-40-adoption-on-the-bearing-manufacturing-industry-a-research-framework
Date of Publication	13-02-2026
SDG	Industry, Innovation and Infrastructure

Research Papers (Pharmacy-Scholars)

01

Enrollment No.	199999901520
Title of Article	Protective effect of Humic acid against Diabetic Retinopathy in streptozotocin-induced diabetic rats
Name of Authors	Pratixa Patel, Arindam Paul
Name of Corresponding Author	Pratixa Patel
Name of the Journal	Hacettepe University Journal of the Faculty of Pharmacy
Indexed	SCOPUS
ISSN No.	2458-8806
URL	https://doi.org/10.52794/hujpharm.1697854
Date of Publication	01-03-2026
SDG	Good Health and Well-being, Quality Education, Industry, Innovation and Infrastructure

02

Enrollment No.	229999901047
Title of Article	Pair-Feeding Differentiates Feed-Dependent and Pharmacodynamic Effects of Telmisartan in Wistar Rats
Name of Authors	Chitrang R. Shah, Sandip B. Patel, Vishal J. Patel, Maulik Patel, Amit A. Joharapurkar, Urvit P. Patel, Jitendra H. Patel, Shekhar B. Kadam, Ramchandra K. Ranvir, Rajesh Sundar, Mukul R. Jain
Name of Corresponding Author	Sandip B. Patel
Name of the Journal	International Journal of Toxicology
Indexed	WoS & SCOPUS
ISSN No.	1091-5818
URL	https://journals.sagepub.com/doi/abs/10.1177/10915818261429056
Date of Publication	26/02/2026
SDG	Good Health and Well-being

Enrollment No.	199999901517
Title of Article	Design, synthesis, molecular dynamic simulation, ADMET studies, antioxidant and antitubercular screening of amine and acid chloride substituted pyrazole derivatives as an enoyl acyl carrier protein reductase (InhA) inhibitors
Name of Authors	Kinjal Nayee , Been Kumar Prajapati, Hansal Kumar
Name of Corresponding Author	Dr. Been kumar Prajapati
Name of the Journal	Journal of Molecular Structure
Indexed	SCOPUS
ISSN No.	0022-2860
URL	https://www.sciencedirect.com/science/article/abs/pii/S0022286025035689
Date of Publication	05-03-2026
SDG	Industry, Innovation and Infrastructure

Research Papers (Management-Scholars)

01

Enrollment No.	229999903033
Title of Article	Conservation, Museumization and Heritage Marketing at Vadnagar Archaeological Centre: An Integrated Heritage Management Case Study from Gujarat, India
Name of Authors	Mr. Shreyas Trivedi, Dr. Seema H. Kadam
Name of Corresponding Author	Mr. Shreyas Trivedi
Name of the Journal	International Journal of Engineering Applied Science and Management
Indexed	Others
ISSN No.	2582-6948
URL	https://ijeasm.com/PublishedPaper/7Vol/Issue2/2026IJEASM220263323-8faea706-71ee-40db-919c-010a6ae7c50b21750.pdf
Date of Publication	10-02-2026
SDG	Quality Education, Industry, Innovation and Infrastructure, Sustainable Cities and Communities

Research Papers (Architecture-Scholars)

01

Enrollment No.	229999908001
Title of Article	Analyzing the Lighting Energy Consumption of Translucent Concrete for Energy Efficiency in Interior Lighting
Name of Authors	Kinwa Parikh, Nigam Oza, Meghna Tushar Sutaria
Name of Corresponding Author	Meghna Tushar Sutaria
Name of the Journal	Multidisciplinary International Research Journal
Indexed	Others
ISSN No.	2581-8880
URL	http://www.researchjournal.gtu.ac.in/Combine/MIRJ_Vol6_Issue2_11022026.pdf
Date of Publication	10-02-2026
SDG	Affordable and Clean Energy, Industry, Innovation and Infrastructure

02

Enrollment No.	229999908001
Title of Article	Embracing the End": A New Architecture Typology to Prepare for the Final Journey (Architectural Design for "A Holistic Center for Death-Related Services and Reflection" at Varanasi, UP).
Name of Authors	Pinak Dalwadi, Meghna Tushar Sutaria
Name of Corresponding Author	Meghna Tushar Sutaria
Name of the Journal	Multidisciplinary International Research Journal
Indexed	Others
ISSN No.	2581-8880
URL	http://www.researchjournal.gtu.ac.in/Combine/MIRJ_Vol6_Issue2_11022026.pdf
Date of Publication	10-02-2026
SDG	Life on Land, Peace, Justice and Strong Institutions

PATENTS

Patents (Engineering-Supervisors)

01

Name of Institute	Laljibhai Chaturbhai Institute of Technology, Bhandu (029)
Types of Patent	Utility
Title of Patent	Autonomous Cleaning Scheduler and Drone-Assisted IoT PV Soiling Index
Name of Inventors	Pandya Viralkumar Kiritkumar, Patel Nileshkumar Dahyalal, Patel Mayur Kantibhai, Patel Vishal Kumar Rajendra Kumar, Pandya Brijeshkumar Rajeshbhai, Prajapati Ravikumar Prakash Kumar, Prajapati Umang Nayanbhai, Prajapati Siddharth Dineshchandra
Name of Applicant	Pandya Viralkumar Kiritkumar, Patel Nileshkumar Dahyalal, Patel Mayur Kantibhai, Patel Vishal Kumar Rajendra Kumar, Pandya Brijeshkumar Rajeshbhai, Prajapati Ravikumar Prakash Kumar, Prajapati Umang Nayanbhai, Prajapati Siddharth Dineshchandra
Patent No.	202521118082 A
Status of Patent	Published
Country of Filing	India
Date of Publication	02-01-2026
SDG	Quality Education, Industry, Innovation and Infrastructure

02

Name of Institute	L.D. College of Engineering, Ahmedabad (028)
Types of Patent	Design
Title of Patent	Portable Solar Water Filtration Unit
Name of Inventors	Dr. Samanthaka Mani Kuchibhatla, Dr. Satyendra Singh Chauhan, Dr. Ashish Baldania, Dr. Markndeyulu Vuggirala, Dr. Suresh Panchanathan, Dr. Tirumalasetty Venkata Nagalakshmi, Dr. Anju Jha
Name of Applicant	Dr. Samanthaka Mani Kuchibhatla, Dr. Satyendra Singh Chauhan, Dr. Ashish Baldania, Dr. Markndeyulu Vuggirala, Dr. Suresh Panchanathan, Dr. Tirumalasetty Venkata Nagalakshmi, Dr. Anju Jha
Patent No.	6493169
Status of Patent	Granted
Country of Filing	United Kingdom
Date of Publication	07-01-2026
SDG	Good Health and Well-being, Affordable and Clean Energy

Name of Institute	Government Engineering College, Bharuch (014)
Types of Patent	Design
Title of Patent	Dustbin
Name of Inventors	Prerna Pravinchandra Shah, Kalpesh V. Modi, Harsh Hiteshbhai Mistry, Nirmal Sureshbhai Rana, Vedant Vinayak Sonar
Name of Applicant	Prerna Pravinchandra Shah, Kalpesh V. Modi, Harsh Hiteshbhai Mistry, Nirmal Sureshbhai Rana, Vedant Vinayak Sonar
Patent No.	478223-001
Status of Patent	Granted
Country of Filing	India
Date of Publication	12-03-2026
SDG	Good Health and Well-being

Patents (Pharmacy-Supervisors)

01

Name of Institute	Saraswati Institute of Pharmaceutical Sciences (242)
Types of Patent	Utility
Title of Patent	A Method for Evaluating the Metal Chelating Antioxidant Activity of Apple Cider Vinegar
Name of Inventors	Shikha Rani, Dr. Anju Goyal, Dr. Maulikkumar Dineshbhai Vaja, Shivali Salooria, Dr. Jitender Singh
Name of Applicant	Shikha Rani, Dr. Anju Goyal, Dr. Maulikkumar Dineshbhai Vaja, Shivali Salooria, Dr. Jitender Singh
Patent No.	202511112201
Status of Patent	Published
Country of Filing	India
Date of Publication	02-01-2026
SDG	Good Health and Well-being

02

Name of Institute	Anand Pharmacy College (205)
Types of Patent	Utility
Title of Patent	A Film Forming Spray Formulation of Febuxostat
Name of Inventors	Mr. Dhirajkumar Patel, Ms. Khyati Parekh, Dr. Vaishali Thakkar, Dr. Tejal Gandhi
Name of Applicant	Anand Pharmacy College
Patent No.	202521006382
Status of Patent	Filed
Country of Filing	India
Date of Publication	27-01-2026
SDG	Good Health and Well-being

Name of Institute	Anand Pharmacy College (205)
Types of Patent	Utility
Title of Patent	A Novel Hybrid Liquisolid Formulation of Coumarin Extract
Name of Inventors	Dr. Tejal R. Gandhi, Dr. Vaishali T. Thakkar, Patel Anjali, Devadiya Hardik A.
Name of Applicant	Anand Pharmacy College
Patent No.	202121060496
Status of Patent	Granted
Country of Filing	India
Date of Publication	25-03-2026
SDG	Good Health and Well-being

Patents (Biotechnology-Supervisors)

01

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Types of Patent	Design
Title of Patent	Integrated Hybrid Carp Breeding Tank
Name of Inventors	Dr. Vivek Shrivastava, Harshrajsinh Zankat, Abhay, Harish Solanki, Dr. Remya S, Dr. Chandrashekar Mootapally, Dr. Neelam Nathani, Parthkumar Prajapati, Riya Desai, Aditya Pandya
Name of Applicant	Dr. Vivek Shrivastava, Harshrajsinh Zankat, Abhay, Harish Solanki, Dr. Remya S, Dr. Chandrashekar Mootapally, Dr. Neelam Nathani, Parthkumar Prajapati, Riya Desai, Aditya Pandya
Patent No.	490008-001
Status of Patent	Granted
Country of Filing	India
Date of Publication	10-03-2026
SDG	Zero Hunger, Decent Work and Economic Growth, Industry, Innovation and Infrastructure, Responsible Consumption and Production, Life below Water

02

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Types of Patent	Design
Title of Patent	Rapid Biomass Separation Chamber
Name of Inventors	Dr. Mootapally Chandrashekar, Dr. Nathani Neelam M, Mr. Prajapati Parthkumar L, Dr. Shrivastava Vivek, Mr. Chauhan Sanjay
Name of Applicant	Dr. Mootapally Chandrashekar, Dr. Nathani Neelam M, Mr. Prajapati Parthkumar L, Dr. Shrivastava Vivek, Mr. Chauhan Sanjay
Patent No.	412789-001
Status of Patent	Granted
Country of Filing	India
Date of Publication	25/3/2026
SDG	Clean Water and Sanitation, Affordable and Clean Energy, Industry, Innovation and Infrastructure, Responsible Consumption and Production, Climate Action

Patents (Engineering-Scholars)

01

Enrollment No.	209999919020
Types of Patent	Utility
Title of Patent	IoT Inabled External Grinding Process Monitoring system for Bearing Race Manufacturing
Name of Inventors	Manan Raval, Hirenkumar Joshi, Jaivik Dhebar, Janak Valaki, Bharat Khatri
Name of Applicant	Manan Raval, Hirenkumar Joshi, Jaivik Dhebar, Janak Valaki, Bharat Khatri
Patent No.	202621034215
Status of Patent	Filed
Country of Filing	India
Date of Publication	20-03-2026
SDG	Industry, Innovation and Infrastructure

BOOKS

Book-Chapters (Engineering)

01

Name of Institute	L. C. Institute of Technology, Bhandu (029)
Title of Book/Chapter	Environmental Science, Sustainability and Renewable Energy
Name of Authors	Viral Pandya, Kapil Banker, Dr. A. B. Dhruv
ISBN No.	978-93-5635-803-4
URL	https://www.amazon.in/dp/9356358036
Date of Publication	28-02-2026
SDG	Quality Education

02

Name of Institute	L. C. Institute of Technology, Bhandu (029)
Title of Book/Chapter	ZATPAT: Fabrication Technology
Name of Authors	Mr. Viral Pandya, Mr. Vishant Patel
ISBN No.	978-93-5717-600-2
URL	https://www.amazon.in/s?k=VIRAL+PANDYA&i=stripbooks&crd=3JU8QIQ2NLVGP&srefix=viral+pan%2Cstripbooks%2C401&ref=nb_sb_noss_1
Date of Publication	28-02-2026
SDG	Quality Education

03

Name of Institute	L. C. Institute of Technology, Bhandu (029)
Title of Book/Chapter	Design and Development of Solar Photovoltaic–Thermal (PVT) Systems: Principles, Analysis, and Applications
Name of Authors	Viral Pandya, Vishant Patel, Brijesh Pandya, Ravi Prajapati
ISBN No.	978-93-5759-537-7
URL	https://www.amazon.in/s?k=VIRAL+PANDYA&i=stripbooks&crd=3JU8QIQ2NLVGP&srefix=viral+pan%2Cstripbooks%2C401&ref=nb_sb_noss_1
Date of Publication	28-02-2026
SDG	Quality Education

04

Name of Institute	L. C. Institute of Technology, Bhandu (029)
Title of Book/Chapter	ZATPAT: Entrepreneurship & Start-up
Name of Authors	Viral Pandya, Prakash Darji
ISBN No.	978-93-5768-816-1
URL	https://www.amazon.in/s?k=VIRAL+PANDYA&i=stripbooks&crd=H5N557L9HAWX&sprefix=viral+pa ndya%2Cstripbooks%2C379&ref=nb_sb_noss_1
Date of Publication	28-02-2026
SDG	Quality Education

05

Name of Institute	L. C. Institute of Technology, Bhandu (029)
Title of Book/Chapter	AI for Engineers
Name of Authors	Mayur Patel, Megha Patel, <u>Pooja Patel</u> , <u>Nilam Patel</u> , <u>Heena Patel</u> , <u>Kajal Modi</u>
ISBN No.	978-93-47184-16-1
URL	https://amzn.in/d/037JrQw7
Date of Publication	11-03-2026
SDG	Quality Education

Book-Chapters (Biotechnology)

01

Name of Institute	GTU - School of Applied Sciences and Technology (145)
Title of Book/Chapter	Herbal Remedies for Bovine Mastitis: From Traditional Knowledge to Biotechnological Validation
Name of Authors	Desai Devanshi, Patel Nidhi, Nathani Neelam, Mootapally Chandrashekar
ISBN No.	978-93-5834-128-7
URL	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Bsh0kYwAAAAJ&sortby=pubdate&citation_for_view=Bsh0kYwAAAAJ:CHSYGLWDkRkC
Date of Publication	02-01-2026
SDG	Zero Hunger, Good Health and Well-being, Decent Work and Economic Growth, Industry , Innovation and Infrastructure, Responsible Consumption and Production, Life on Land

02

Name of Institute	GTU - School of Applied Sciences and Technology (145)
Title of Book/Chapter	Herbs, Heritage, and Health: Ethnoveterinary Practices in Livestock Care
Name of Authors	Patel Nidhi, Makwana Gaurang, Mootapally Chandrashekar, Nathani Neelam
ISBN No.	978-93-5834-128-7
URL	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=Bsh0kYwAAAAJ&sortby=pubdate&citation_for_view=Bsh0kYwAAAAJ:xtRiw3GOFMkC
Date of Publication	02-01-2026
SDG	Zero Hunger, Good Health and Well-being, Decent Work and Economic Growth, Responsible Consumption and Production, Life on Land

Name of Institute	GTU-School of Applied Sciences and Technology (145)
Title of Book/Chapter	Applications of metagenomics and metagenome-assembled genomes in the optimization of sustainable wastewater treatment systems
Name of Authors	Parth Sharma, Chandrashekar Mootapally, Shiksha Sharma, Neelam M. Nathani
ISBN No.	978-04-43365-53-9
URL	https://www.sciencedirect.com/science/chapter/edited-volume/abs/pii/B9780443365522000056
Date of Publication	23-01-2026
SDG	Clean Water and Sanitation, Industry, Innovation and Infrastructure, Responsible Consumption and Production, Climate Action

Book-Chapters (Pharmacy)

01

Name of Institute	Anand Pharmacy College (205)
Title of Book/Chapter	The Interplay Between Micronutrients and Obesity
Name of Authors	Prachi D. Karia, Hital A. Shah, and Tejal R. Gandhi
ISBN No.	978-3-032-14440-9
URL	https://link.springer.com/chapter/10.1007/978-3-032-14441-6_2
Date of Publication	22-01-2026
SDG	Good Health and Well-being

02

Name of Institute	APMC College of Pharmaceutical Education and Research (207)
Title of Book/Chapter	Artificial Intelligence in Macular Degeneration: Detection and Therapy
Name of Authors	Nisarg C. Patel, Sapna M. Rathod , Bhupendra Gopalbhai Prajapati, Jigna Prajapati
ISBN No.	978-1-998511-25-9
URL	https://mail.appleacademicpress.com/macular-degeneration-a-progressive-retinal-disorder/9781998511242
Date of Publication	01-03-2026
SDG	Good Health and Well-being

03

Name of Institute	Anand Pharmacy College (205)
Title of Book/Chapter	Advances in leukemia treatment using micelles and dendrimers
Name of Authors	Chetna Modi, Viral Gosai, Nisarg Gandhi, Udit Swain, Bhupendra G. Prajapati
ISBN No.	978-0-443-44000-7
URL	https://www.sciencedirect.com/science/chapter/edited-volume/abs/pii/B9780443440007000097
Date of Publication	13/03/2026
SDG	Good Health and Well-being

AWARDED PHD THESIS ABSTRACTS

Ph.D. Thesis Abstract (Engineering)

01

Name	Jigar Maheshbhai Patel
Enrollment No	209999915001
Title of Thesis	Metasurface based Perfect Absorber: Designing, Fabrication and Characterization for L-Band and S-Band
Faculty/Discipline	Electronics & Communication Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20209999915001_JMP_Abstract%20of%20the%20Thesis_644838.pdf

02

Name	Bhatt Maharshi Kishorbhai
Enrollment No	199999915503
Title of Thesis	Performance Improvement by Massive MIMO System in High Speed Train
Faculty/Discipline	Electronics & Communication Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Format_Abstract%20of%20the%20Thesis_978836.pdf

03

Name	Patel Nidhi Manan
Enrollment No	219999913024
Title of Thesis	Early Stage Heart Disease Prognosis Utilizing Hybrid Ensemble Machine Learning Characterization Methods
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis%20_Nidhi%20Patel_816886.pdf

04

Name	Ankita Nevil Gandhi
Enrollment No	209999913026
Title of Thesis	Multimodal Sentiment Analysis using Deep Learning
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20(1)_376651.pdf

05

Name	Dhatri Mehul Pandya
Enrollment No	199999913516
Title of Thesis	Student Classroom Behavior Recognition to Monitor Student's Attention using Deep Learning Approaches
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-ABSTRACT%20OF%20THESIS_DHATRI%20PANDYA_199999913516_683927.pdf

06

Name	Suman Ramdutt Tiwari
Enrollment No	189999913044
Title of Thesis	Novel Feature Selection Approach in Stream Data for Efficient Knowledge Extraction
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract_Suman_Tiwari_189999913044_365111.pdf

07

Name	Gadhia Bijal Utsav
Enrollment No	219999913009
Title of Thesis	An Adaptive Framework for Soccer Video Skimming using Deep Learning
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Format_Abstract_thesis_Bijal%20Gadhia_219999913009_115817.pdf

08

Name	Boda Jagruti Rameshbhai
Enrollment No	209999913015
Title of Thesis	Hostile Post Detection in Gujarati Language using Machine Learning and Transformer Based Approaches for Coarse and Fine Grained Classification
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract_209999913015_Jagrutiboda_476794.pdf

09

Name	Ketan Sarvakar
Enrollment No	189999913016
Title of Thesis	Facial Emotion Recognition using Hybrid Deep Learning Models
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20189999913016_KETAN%20SARVAKAR%20-Abstract%20of%20the%20Thesis_408791.pdf

10

Name	Bhaumikkumar Kiritbhai Machhi
Enrollment No	189999913004
Title of Thesis	Improving S-LEACH Protocol of UWSN for Real-time Underwater Observation Technique for Freshwater (River/ Lake)
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis_189999913004_334517.pdf

11

Name	Mehta Akash Kishorbhai
Enrollment No	199999913538
Title of Thesis	Malicious Node Detection Scheme using Fog Computing in Smart City
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Format_Abstract_thesis_Akash%20Mehta_199999913538_404206.pdf

12

Name	Joshi Divyesh Hasmukh bhai
Enrollment No	199999913525
Title of Thesis	Performance Optimization by Enhancing Energy Efficiency
Faculty/Discipline	Computer/IT Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract_623689.pdf

13

Name	Dhananjay
Enrollment No	189999902002
Title of Thesis	Enhancements of Security Mechanism in Design of Vehicular Ad Hoc Networks
Faculty/Discipline	Computer Science
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis-Dhananjay%20189999902002_121630.pdf

14

Name	Turakhia Tejas Prakashbhai
Enrollment No	199999917505
Title of Thesis	Implementation of Air Pollution Forecasting from Remotely Sensed Data using Artificial Intelligence
Faculty/Discipline	Instrumentation & Control Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/199999917505_Abstract%20of%20the%20Thesis_838911.pdf

15

Name	Pandya Bhavi M.
Enrollment No	189999911005
Title of Thesis	Bio-assisted Treatment of Distillery Spent Wash using Microbial Fuel Cell
Faculty/Discipline	Chemical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20Thesis_189999911005%20(2)_740068.pdf

16

Name	Savalia Krunali Jaymin
Enrollment No	199999912529
Title of Thesis	Experimental Study on the Development of Geopolymer Concrete with the Inclusion of Treated Recycled Aggregates
Faculty/Discipline	Civil Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0_Abstract%20of%20the%20Thesis_338232.pdf

17

Name	Ketankumar Chhaganlal Varmora
Enrollment No	149997106022
Title of Thesis	Methodology for Determining the Level of Service Categories for Urban Streets in Mixed Traffic Conditions
Faculty/Discipline	Chemical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Format Abstract%20of%20the%20Thesis KCV 938141.pdf

18

Name	Prajapati Simit Bhikhalal
Enrollment No	189999919059
Title of Thesis	Experimental Analysis, Mathematical Modelling and Drying Kinetics of Jamun (Indian Blackberry) slices using Convective Drying Method
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abtract 189999919059 651773.pdf

19

Name	Verma Satish Kumar
Enrollment No	199999919551
Title of Thesis	Optimization of WEDM Cutting Process Parameters for Inconel 718 Superalloy
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis%20(1)_145399.pdf

20

Name	Kamleshkumar Kantilal Pansal
Enrollment No	169999919013
Title of Thesis	Performance Analysis of Novel Basin Solar Still Integrated With Evacuated Tube Collector
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-169999919013 Abstract%20of%20the%20Thesis%20(1)_876461.pdf

21

Name	Sapnaben Amrutlal Solanki
Enrollment No	199999919541
Title of Thesis	A Comparative Analysis of Hastelloy Weld Overlay on Austenitic Stainless Steel using Conventional and Advanced Welding Processes
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract of the Thesis SAS 199999919541 638662.pdf

22

Name	Pooja Raval
Enrollment No	189999919058
Title of Thesis	Investigation and Performance Evaluation of Parabolic Trough Solar Collector with and without Artificial roughness and Porous Absorber
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis Final 404383.pdf

23

Name	Patel Nileshkumar Natvarbhai
Enrollment No	189999919050
Title of Thesis	Design, Development and Experimental Analysis on Micro Mixing for Gas Turbine Combustion Chamber Using Hydrogen as Fuel
Faculty/Discipline	Mechanical Engineering
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis-Nilesh%20N.%20Patel 857001.pdf

Ph.D. Thesis Abstract (Pharmacy)

01

Name	Solanki Ravisinh Vikramsinh
Enrollment No	209999901020
Title of Thesis	Fact-finding Assessment about Potential Carcinogenic and Genotoxic Nitrosamine by Chromatographic Techniques in Marketed Metformin Formulations Available in Gujarat Region
Faculty/Discipline	Pharmacy
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis Ravisinh%20Solanki 673494.pdf

02

Name	Vyas Navdha Jayesh
Enrollment No	179999901011
Title of Thesis	Pharmacological Modulation of Selective CYP450 in Cardiometabolic Syndrome
Faculty/Discipline	Pharmacy
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis 179999901011 832831.pdf

03

Name	Sunny P. Desai
Enrollment No	189999901018
Title of Thesis	Systematic Development and Characterization of Functional Dosage Form of Glibenclamide and a Phytopharmaceutical
Faculty/Discipline	Pharmacy
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Format Abstract of the Thesis 31 dec - Abstract 756890.pdf

04

Name	Patel Hardikkumar Kanjibhai
Enrollment No	209999901001
Title of Thesis	Design, Development and Characterization of Nanotechnology Based Oral Formulations to Enhance Dissolution of Poorly Water Soluble Drugs
Faculty/Discipline	Pharmacy
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20PhD%20Thesis Hardik%20K.%20Patel 209999901001 223919.pdf

Ph.D. Thesis Abstract (Management)

01

Name	Parekh Paresha Jignesh
Enrollment No	209999903038
Title of Thesis	Influence of Religiosity and Religious Affiliation on Retail Patronage Behaviour in Gujarat
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-209999903038_Abtract_490784.pdf

02

Name	Parmar Dimple Rajnikant
Enrollment No	199999903521
Title of Thesis	The Effect of Emotional Intelligence on the Academic Performance of Students in Universities with reference to Gujarat State
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/199999903521_MS.%20DIMPLE%20PARMAR_Abtract%20of%20the%20Thesis_957194.pdf

03

Name	Choksi Margi Rikenkumar
Enrollment No	219999903011
Title of Thesis	Continuance Usage Intention of Investment Applications and its Antecedents on Fintech Adoption
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-ABSTRACT THESIS CHOKSI%20MARGI%20RIKENKUMAR_483981.pdf

04

Name	Saluja Harleenkaur Jasbirsingh
Enrollment No	209999903006
Title of Thesis	The impact of Human Resource Information System (HRIS) on Organizational Performance: A study on IT & ITES sector in Gujarat
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis%20Harleen%20Kaur%20(1)_848984.pdf

05

Name	Monica Puneet Maheshwari
Enrollment No	219999903016
Title of Thesis	A study of Self- Regulated learning as a predictor in identifying Meta Skills among the Fresh Management Graduates
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract-%20Monica%20Maheshwari_223384.pdf

06

Name	Saiyed Mohdmaaz Nazimhussen
Enrollment No	209999903026
Title of Thesis	Predicting the Antecedents of Trust: A Study in the Context of Medicines Purchased through Social Commerce
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Mohdmaaz_Abstract%20of%20the%20Thesis_587339.pdf

07

Name	Mehta Mehulkumar Dineshchandra
Enrollment No	189999903021
Title of Thesis	Determinants of Employee Engagement and Its Effect on Employees Performance and Organizational Performance: A Study of Banking Industry in Gujarat, India
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract_Mehul%20D.Mehta_189999903021_200445.pdf

08

Name	Sarvaiya Rakeshkumar Khimjibhai
Enrollment No	209999903044
Title of Thesis	Role of Value Proposition in Life Insurance Customers Retention in Gujarat
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20Thesis%20Rakesh%20Sarvaiya_581576.pdf

09

Name	Mitsuko Takahashi
Enrollment No	218399903003
Title of Thesis	Factors Influencing Effectiveness, Growth and Succession of Businesses: A Comparative Study of Family Businesses in Gujarat and Japan
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Mitsuko_Abstract%20of%20the%20Thesis_836607.pdf

10

Name	Bardiya Amrita Yatish
Enrollment No	219999903012
Title of Thesis	Evaluating Role of Technology on Consumers Buying Behaviour For Online Jewellery Shopping in Gujarat
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20(1)_979818.pdf

11

Name	Keren Millet
Enrollment No	219999903004
Title of Thesis	To study the Impact of Emotional Intelligence on Job performance with special reference to Gujarat Police department
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20final_645696.pdf

12

Name	Ishita Vadilal Panchal
Enrollment No	179999903005
Title of Thesis	A Study: Knowledge Management Practices in Banking Sector
Faculty/Discipline	Management
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Format_Abstract%20of%20the%20Thesis%20(2)_666324.pdf

Ph.D. Thesis Abstract (Humanity-English)

01

Name	Parmar Anjanaben Nathabhai
Enrollment No	219999904002
Title of Thesis	Chetan Bhagat's Novels and their cinematic adaptation: a comparative study
Faculty/Discipline	Humanity-English
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract-%20Anjana%20Parmar_835493.pdf

02

Name	Bhayani Deven Jivandas
Enrollment No	199999904503
Title of Thesis	Using Task Based Language Teaching (TBLT) to develop Writing Skills among Engineering Students
Faculty/Discipline	Humanity-English
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis_publications_315382.pdf

Ph.D. Thesis Abstract (Science-Mathematics)

01

Name	Vasoya Payal Rameshbhai
Enrollment No	209999906001
Title of Thesis	Distance Constrained Labelings of Graphs
Faculty/Discipline	Science-Mathematics
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-Abstract%20of%20the%20Thesis_Vasoya%20Payal%20Rameshbhai_813426.pdf

02

Name	Valani Darshana Kunal
Enrollment No	209999906004
Title of Thesis	Study of Various Graph Labeling Techniques
Faculty/Discipline	Science-Mathematics
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Format_Abstract%20of%20the%20Thesis%20(1)-1_958299.pdf

Ph.D. Thesis Abstract (Science-Physics)

01

Name	Jadav Gaurav Ramniklal
Enrollment No	211459907001
Title of Thesis	The Effect of Nanoparticles (B, Zn, Mn, Fe, Cu) Added to Cow Dung on the Growth of Peanut and Moong Plant
Faculty/Discipline	Science-Physics
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20211459907001_Abtract%20of%20the%20Thesis_693092.pdf

Ph.D. Thesis Abstract (Biotechnology)

01

Name	Bhumi Rajeshkumar Rajguru
Enrollment No	211459910001
Title of Thesis	Investigation of Microbial Diversity in the Rhizosphere of different plants to study its influence on crop improvement
Faculty/Discipline	Biotechnology
Abstract	https://s3-ap-southeast-1.amazonaws.com/gtusitecirculars/uploads/0-%20Abstract%20of%20the%20Thesis_546047.pdf

"We need a spirit of victory, a spirit that will carry us to our rightful place under the sun, a spirit which can recognize that we, as inheritors of a proud civilization, are entitled to our rightful place on this planet. If that indomitable spirit were to arise, nothing can hold us from achieving our rightful destiny."

C. V. Raman"



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UNIVERSITY**

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(Accredited with A+ Grade by NAAC)

Gujarat Technological University

Nr. Vishwakarma Government Engineering College,
Nr. Visat Three Roads, Visat – Gandhinagar Highway,
Chandkheda, Ahmedabad – 382424 – Gujarat

Phone: + 079-23267521 / 526

E mail: rdcell@gtu.edu.in
registrar@gtu.ac.in

www.gtu.ac.in



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