

Poojya Dr. D. Veerendra Heggade
President, SDM Educational Society (R.), Ujire

Jan-June 2024 | Vol-VII | Issue-I

|| Om Shree Manjunathaya Namaha ||

ESSENCE

NEWSLETTER

The spirit within



Shri Dharmasthala Manjunatheshwara Institute of Technology (SDMIT), Ujire - 574240

(Affiliated to Visvesvaraya Technological University, Belagavi, Recognized by AICTE, New Delhi)

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Dr. Chethan Rao

Dr. Subrahmanya Bhat

Dr. Swathi Phadke

Ms. Madhu K

Principal's Message

Mindset is vital and the single most significant factor impacting your success. Everything you do or don't do starts in your mind first. A positive mindset fuels determination. It helps you bounce back, learn from mistakes, and adjust your approach and progress. A positive mindset helps you see opportunities, appreciate progress, celebrate small wins, and enjoy the process.

In a fixed mindset, people avoid challenges, give up easily, see effort as fruitless, ignore feedback, threatened by the success of others, and are less likely to reach their full potential. Therefore, surround yourself with supportive people who inspire and encourage you and guide you on the right path.

Dear stakeholders, I am happy to present you with the college newsletter Essence from January to June 2024. This newsletter has recorded the various achievements of our students and staff, the activities held, participation in various workshops, conferences, sports events, etc. The achievements stand as a witness to the monumental support rendered by the management to make the college a center of excellence in education and research.

Your comments and suggestions are welcome to make the next issue of the newsletter more informative and attractive. I wish you all success and congratulate the newsletter team members.

Warm regards,

Dr. Ashok Kumar T

Our Vision

Excellence in Education, Commitment to Society

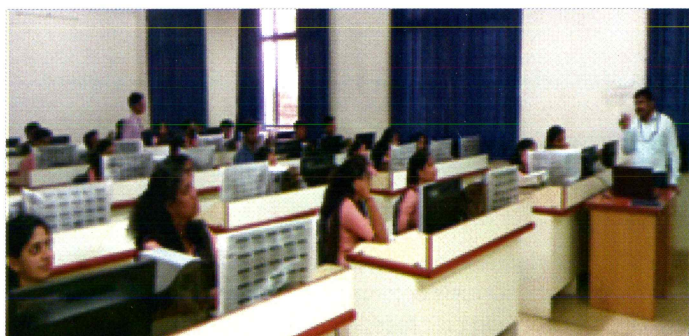
Our Mission

Create an atmosphere that facilitates sensitizing the young technocrats to the needs of the community with relevant inputs of academic, innovative and research capabilities.



ACADEMIC ACTIVITIES

5-Day Hands-on Workshop on 'Power of Python'



The Department of Computer Science organized a 5-day Hands-on Workshop on **Power of Python** from 23rd to 28th January 2024, for third semester students of CSE, ISE, and AI & DS Branch. Mr. Ravikumar and Mr. Pradeep Rao K.B, Asst. Professors, Department of CSE, SDMIT, were the resource persons.

Entrepreneurship Awareness Programme

The Department of Information Science organized an **Entrepreneurship Awareness Programme** on 9th January 2024 for the fifth semester students. Dr. Basava T, Head IEDC, SDMIT was the resource person of the event.



3-day Webinar on 'Artificial Intelligence'

More than 125 students participated in a 3-day Webinar on **Artificial Intelligence**, organized by the Department of AI & DS, through the Infosys Springboard platform from January 23rd to 25th 2024.



Project Exhibition on the theme 'Renewable Energy'

The Department of Electrical and Electronics Engg. organized a Project Exhibition on the theme **Renewable Energy** on 10th January 2024.

Technical visit for third semester students

The Department of Information Science and Engineering organized a technical visit for the students of the third semester to Water Distribution System, STP and Vermi Compost Unit at Dharmasthala, and Siri Gramodyoga, Laila, Ujire on 18th January 2024.



Webinar on 'Learn How to Pitch Your Start-up Idea'

Dr. Prem Kumar S. coordinated an online webinar on **Learn How to Pitch Your Start-up Idea** organized by Karnataka Digital Economy Mission and Start-up Karnataka on 25th January 2024. Dr. Manmohan Rao, Research Director, Your Story Media, was the resource person.

Consumer Outreach Programme on 'Cyber Security and Cyber Crime'

The Department of Electronics and Communication Engineering organized a Consumer Outreach Programme on **Cyber Security and Cyber Crime** on 20th February, 2024 for ECE students. The welcome address was given by Mr. Manish Raghav, Joint Advisor, Regional Office, TRAI, Bengaluru. The resource persons were Mr. B Rajendra Kumar, Regional Head & Advisor, TRAI, Bengaluru, and Mr. Manjunatha T, Inspector of Police, Cybercrime.



Design Thinking Bootcamp Programme

The Innovation and Entrepreneur Development Cell of the college hosted a **Design Thinking Bootcamp Programme** in collaboration with Visvesvaraya Technological University (VTU) and Visvesvaraya Research & Innovation Foundation (VIRF) on 29th February 2024. Over 400 students participated in the program.

STEM Skills Programme by Intel India

The Innovation and Entrepreneur Development Cell of the college hosted a **STEM Skills Programme** by Intel India on 29th February 2024. Over 400 female students participated in the program. Mr. Absar Patel, Programme Manager, VIRF was the resource person. Mr. Pooran Varma, CEO, IT and Hostels, SDME Society was the chief guest and the programme was presided by Principal, Dr. Ashok Kumar T.



Webinar on 'Job Opportunities using LinkedIn'

The Department of Computer Science organized a webinar titled **Job Opportunities using LinkedIn** on 24th February 2024. Ms. Vandana G Gouda, (Alumnus SDMIT) Software Engineer, Zensar Technology, Bangalore was the resource person. 29 students attended the webinar.

'Web UI' development competition

The Department of Artificial Intelligence and Data Science organized **Web UI** development competition for the students of fifth semester on 12th February 2024.



5-day FDP on 'Angular JS'

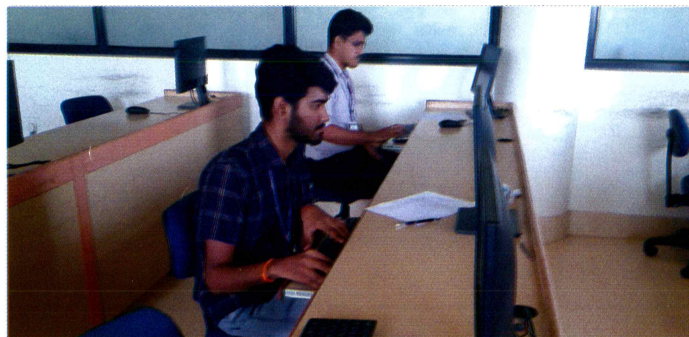
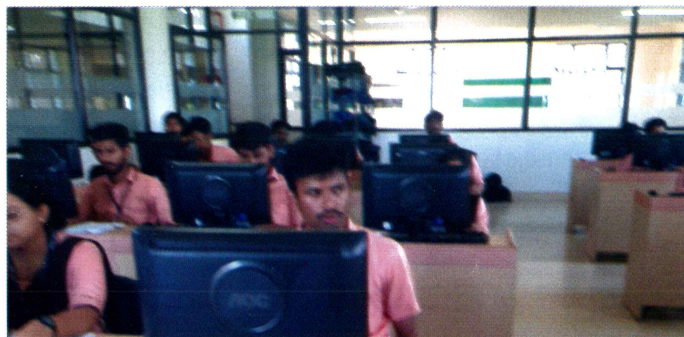
The Department of Artificial Intelligence and Data Science organized a 5-day FDP on **Angular JS** from 26th February to 1st March 2024. The resource person Mr. Adarsh Karanth from industry conducted the programme for the faculties of various branches of engineering.

Skill Development Training Programme

The Department of Electrical and Electronics Engineering organized a Skill Development Training Programme on **Solar Power System Operation and Maintenance** for the students of fifth semester from 31st January to 23rd February 2024.

Java Mock test and Coding Competition

The Department of Information Science and Engineering organized a **Java Mock test and Coding Competition** on 3rd February 2024. Around 75 students from various branches participated in this competition.



Exploring the potential of Universal Human Values in Technical Education

On 14th March 2024 the college had arranged the live telecast of the lecture **Exploring the potential of Universal Human Values in Technical Education**. Prof. T.G. Sitaram, Hon'ble Chairman, AICTE, New Delhi, was the resource person of the programme, which was organized by VTU Universal Human Values Cell (UHV) for the second year students.

INDUSTRY EXPERT INTERACTION ON

Higher Education and Employment Opportunities in Cyber Security

The Department of Artificial Intelligence and Data Science had organized an Industry Expert Interaction on **Higher Education and Employment Opportunities in Cyber Security** on 4th March 2024 for the students of AI & DS branch. Mr. Praveen D'Souza, Security Analyst, Google, Ireland was the resource person



Summer Camp – 2024

The college had organized a **Summer Camp - 2024** for high school students from 15th to 20th April 2024. During the event the students participated in diverse activities like solar energy awareness, English communication skills, yoga, sports, computer hardware and software awareness, etc.



Infosys springboard MoU

On behalf of SDM Educational Society, Hon. Secretary Sri Harshendra Kumar signed a Memorandum of Understanding (MoU) with Infosys Springboard on 24th April 2024 for online courses and faculty development programmes. 38 educational institutes, including schools, PU colleges, UG and PG colleges, which come under SDM Edu. Society are the beneficiary institutes.

3-Day Workshop on Hands-on Training on 'Arduino Microcontroller-based Interfacing for IoT Applications'

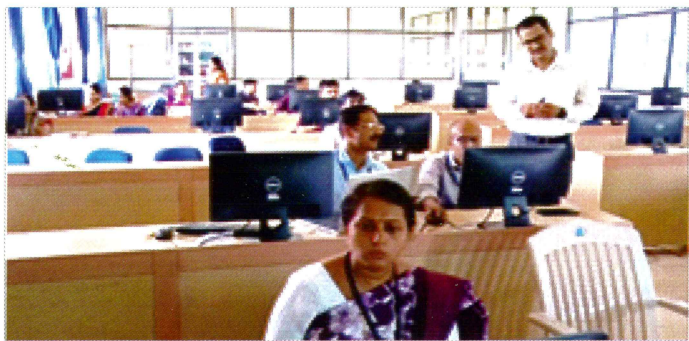
A three-day Hands-on Training on **Arduino Microcontroller-based Interfacing for IoT Applications** was organized by the Department of Information Science from 17th to 19th April 2024. The workshop was arranged for the students of the eighth semester ISE. Dr. G.P. Hegde and Mr. Jagadeesh M were the resource persons of the sessions.



Project Exhibition

The project exhibition and competition held on 22nd May 2024. In the exhibition, all the departments' final-year students presented their projects. Staff and students from nearby schools and colleges visited the exhibition and enriched their technical knowledge through project demonstration.

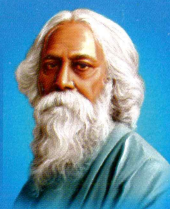
5-day FDP on 'Full Stack Development using Django'



The Department of Computer Science Engineering organized a five-day FDP on **Full stack Development using Django** from 13th to 17th May 2024. Dr. G.P. Hegde, Head of ISE and Prof. Govind Negalur, Assistant Professor, Dept of CSE, SDMCET, Dharwad, were the resource persons for the workshop and around 25 faculties from various colleges had developed skill out of this program.

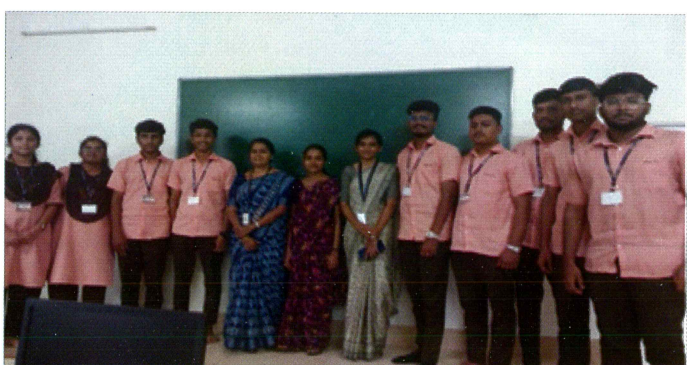
The highest education is that which does not merely give us information but makes our life in harmony with all existence.

Rabindranath Tagore



Guest lecture on 'Ace the Interview: First Impression Matters'

The Department of Artificial Intelligence & Data Science organized a guest lecture on **Ace the Interview: First Impression Matters** by Mr. Vivek V Shetty on 30th May 2024. Around 160 students from different branches attended the program.



5-day hands-on workshop on 'Data Analytics using Excel'

The Department of Computer Science organized a five-day hands-on workshop on **Data Analytics using Excel** from 24th to 28th June 2024 for fourth-semester students. Assistant Professors Ms. Suchetha N.V, Ms. Sahana Kumari B, and Ms. Supritha P. O, were the resource persons.

Workshop on 'Implementation of Software Testing using Open Selenium Tool'

The Department of Information Science and Engineering organized a one-day workshop on **Implementation of Software Testing using Open Selenium Tool** on 22nd June 2024 for sixth semester students. The resource persons Mr. Jayanth S, CEO and Mr. Chowdesh, Software Testing Engineer of Websort, Bengaluru trained around 63 students.



Take up one idea. Make that one idea your life – think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success.

Swami Vivekananda



Two-week training program on Embedded System Design using MSP and TIVA Boards

Faculties from the Department of Electronics and Communication Engineering, Prof. Raghuveera Pandith T S and Prof. Mahesh D. S were trained the second year students' on **Embedded System Design using MSP and TIVA Boards** from 10th June 2024 onwards.

Training session on 'MTLC UTLP'

Department of Electronics and Communication Engineering organized **MTLC UTLP** training session for ECE students on 7th June 2024. Dr. Madhusudhana K and Prof. Amith K Jain were the trainers.



Hands-on Session on 'VLSI Analog Design'

On 12th June 2024, the Department of Electronics and Communication Engineering organized a **VLSI Analog Design Hands-on session training using CADENCE** for ECE faculties. Prof. Niranjana. M was the resource person.

Annual NSS Camp

The college NSS Unit has organised **Annual NSS Camp** at Pajiradka Shri Sadashiveshwara Temple, Kalmanja from 24th Feb. 2024 onwards.



FACULTIES AND STUDENTS' ACHIEVEMENTS

Patent Awarded

Mr. Padma Prasada, Assistant Professor in Artificial Intelligence and Data Science, was granted with an Indian Patent for his research on **Cognitively Managing Water Utilization Based on User's Context**. (Patent No.520305) on March 5th, 2024.



Ph.D Awarded

Dr. Pratapchandra has been awarded with Ph.D by Visvesvaraya Technological University, Belagavi for the thesis titled **Internal Resonance Analysis of Electromechanical System**.

Honours and Recognitions

- Dr. Basava T, faculty of the Mechanical Engineering, was invited to serve as a session chair at the International Conference on Convergence in Technology, organized by the IEEE Bombay Section in Pune, Maharashtra, from April 5th to 7th 2024.
- Dr. Nityanand B, Assistant Professor of the Department of Mechanical Engineering, was appointed as an editorial board member of the Journal of Innovative Research in Engineering and Management (JOIREM) in May 2024.
- Dr. Somashekar D.P, Assistant Professor of the Department of Electrical and Electronics Engineering, was recognized as a Research Supervisor by Visvesvaraya Technological University, Belagavi, in June 2024.



Book Release

A book titled **Ammana Kathegalu** written by Dr. Subrahmanya Bhat, Asst. Prof. Electrical and Electronics Department, has been released by our honourable President Dr. D. Veerendra Heggade, on 6th April, 2024 at Dharmasthala.

Mr. Prathish, 5th-semester student from the Department of Civil Engineering, secured 1st place in painting competition at the Techno-Cultural Fest **YUKTI-2K24**, held at VTU RC Mysuru, in January 2024.



Over 30 students participated in the **Empowering Women in Workforce and Entrepreneurship** program held at St. Joseph College of Engineering, Mangalore, on 5th February, 2024. Ms. Sumitha Shetty, Ms. Pavani S, and Ms. Kshithi B, received Appreciation Prizes for their exceptional interaction with resource persons. The event was jointly organized by the Karnataka Digital Economy Mission and Startup Karnataka.

Sports

On 14th February, 2024, the college girls' throwball team secured third place in the Mangalore Division-Level Throwball Tournament held at SCEM, Mangalore. Ms. Kannika, the 4th-year student, was honoured with the Best Receiver Award.



Mr. Chandan R, Mr. Gagan V, Mr. Kruthik T. R, Mr. Bilvarchan Salanki M, and Ms. Bhavishya, students from the Department of Artificial Intelligence and Data Science, participated in the '**SRISHTI-2024**' program held from May 24th to 26th, 2024, at Atria Institute of Technology, Bengaluru.



CULTURAL ACTIVITIES

Ethnic day and Prize distribution Ceremony

The Annual Day Celebration, Prize Distribution Ceremony, and Ethnic Day were held on 9th May 2024 with the aim of recognizing outstanding achievements of the students in both curricular and extracurricular activities. The event was presided by Dr. Ashok Kumar, Principal, and graced by the presence of the Heads of various Departments, Physical Edu. Director Mr. Prabhakar, and Cultural Coordinator Dr. Krishnaprasad. Dr. Chethan coordinated the event.



Farewell 2023-24 was held on 24th May 2024. Mr. Pooran Varma, CEO, IT & Hostel Administration, SDME Society, Ujire was the Chief Guest.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(47th series of Student Project Programme (SPP): 2023-24)

List of Student Project Proposals Approved for Sponsorship

Sl. No.	USN	Team Members	Guide Name	Title	Amount Sanctioned
1	4SU20CS063	POOJA V HITTALAMANI	Mr. ARJUN K	CRIME PREDICTION USING ENSEMBLE APPROACH	Rs. 4,000
	4SU20CS050	MILANA S			
	4SU20CS010	ANKIT JHA			
	4SU20CS001	ABHIN M			
2	4SU20CS101	SHRIKRISHNA GANAPATI HEGDE	Mr. DHAWAL JAIN	FAKE PRODUCT DETECTION USING BLOCKCHAIN	Rs. 4,000
	4SU20CS107	SRUJAN P JAIN			
	4SU20CS108	SUBHANU SHARMA			
	4SU20CS119	VAISHNAVI VIJAYAKUMARA HEGDE			

RESULTS

Odd Semester-2024

Branch	Semester -I	Semester -III	Semester -V	Semester -VII
AI & DS	78.69	98.46	90	-
CSE	88.89	91.24	92.75	96.12
ECE	81.30	68.65	92.52	96.42
EEE	60.86	43.75	90.90	94.11
ISE	91.67	81.82	92.42	93.75
CV	78.69	88.89	100	100
ME	-	-	-	100

Even Semester-2024

Branch	Semester -II	Semester -IV	Semester -VI	Semester -VIII
AI & DS	88.52	100	96.67	-
CSE	91.27	86.76	98.55	100
ECE	93.50	67.91	91.56	100
EEE	81.81	87.09	81.81	100
ISE	96.67	81.82	100	100
CV	42.86	100	93.75	100
ME	-	-	-	100

Placement Activities

Various reputed MNCs, Start-Ups and Edu-Tech companies like iWave, Novigo Solutions, Tessolve Semiconductors, 7EDGE, Destination, Aarbee Structures, Straecon, Maple Labs, EGDK, Toyota Kirlosker, KarMic, Switchgear, Insemi etc., have conducted campus interviews for the students.



Registrar's Visit

Dr. Rangaswamy, Hon'ble Registrar, VTU, addressed the faculty and students on **Athma Nirbhar Bharat-Engineering Perspective** on 3rd June 2024.

Blood Donation Camp

The college Youth Red Cross Unit in association with SDM Hospital, Ujire organised **Blood Donation Camp** on 22nd March, 2024.



Karnataka Rajyotsava

On the eve of Karnataka Rajyotsava, SDMIT students and staff presented a spectacular floodlight show titled **Karunadu Kanda Darshanikara Gatavaibhava**. The event was graced by the President, Dr. D Veerendra Heggade, Smt. Hemavathi V. Heggade; renowned Actor & Director, Mr. Rishab Shetty and Mr. Pooranvarma.



Annual Day Celebration

The College Annual Day function was celebrated on 9th May 2024. Mr. H. L. Shrinivas, Scientist, ISRO, Bengaluru, was the Chief Guest. Dr. Satheesh Chandra S, Secretary, SDME Society presided over the program. Dr. Ashok Kumar T. Principal presented the annual report of the college. Dr. Basava and Dr. Krishnaprasad were also present on the stage. During the event, the chief guest and the secretary felicitated meritorious students, sports achievers, faculty Ph.D. and patent awardees. The celebrations were followed by a series of grand cultural programs by the students.





The college organised VTU State Level and Mangaluru Zonal Level Volleyball Tournament on 22nd and 23rd Feb. 2024.



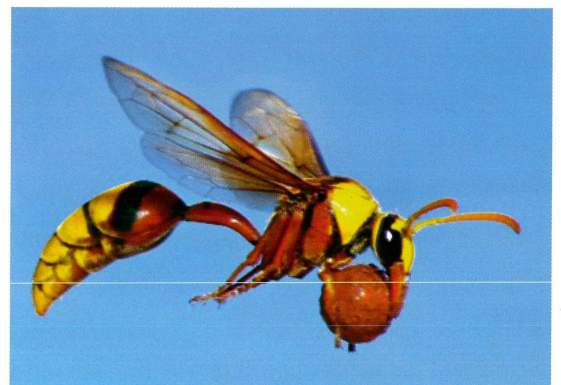
World Environment day was observed on 5th June 2024.



Mahamastakabhisheka



Gardener



Wasp building nest

Photos clicked by Prof. Ashok Kumar T

FACULTY PUBLICATIONS IN THE NATIONAL/ INTERNATIONAL JOURNALS

- Dr. Swathi Phadke N, has published a paper on “Applicability of Some New Pyrimidine Derivatives for the Corrosion Inhibition of Mild Steel in the Acidic Environment” in the South African Journal of Chemical Engineering, Vol. 48, pp. 80–94, January, 2024.
- Dr. Thyagaraju G. S, has contributed a chapter titled “The Role of Generative AI in IoT” in the edited book Futuristic Trends in IoT, IIP Series, Volume 3, January, 2024.
- Dr. K. Manjunath, has published a patent titled “Design and Development of Efficient Low-Cost Control Unit for Agriculture Solar Water Pumping System” in February, 2024.
- Prof. G. P. Hegde, has published a paper on “Building an Efficient Product Recommender System” Proc: 6th International Conference on Communications and Cyber Physical Engineering (ICCCE 2024), Cognitive Science and Technology, PP. 453–459, February, 2024.
- Dr. Sanjay S. S, has published a paper entitled “A Collective Review of the Synthetic Approaches Disclosed in Prior Patents to Synthesize the Renowned Drug, Lamotrigine” in the Mediterranean Journal of Pharmacy and Pharmaceutical Sciences, Vol. 1, pp. 52–74, February, 2024.
- Dr. Thyagaraju G. S, Prof. Pradeep G. S, and Prof. Pradeep Rao K. B, have published a paper on “Design of an AI-Based System to Monitor Network Traffic by Detecting Suspicious Activity” in the Industrial Engineering Journal, Vol. XVII, Issue 2, March, 2024.
- Prof. Suchetha N. V, contributed a chapter titled “Accelerating Authentication Process Using Maps for Efficient VANETs”, in the book Futuristic Trends in IoT, IIP Series, Volume 3, Book 2, Chapters 20 & 24, April, 2024.
- Dr. Swathi Phadke N, has published a paper on “Pyrimidine Derivatives as Efficient Anticorrosive Agents for Acid Corrosion of Mild Steel: Electrochemical and Computational Validation” in the Arabian Journal of Chemistry, Vol. 6, Issue 17, April, 2024.
- Prof. Padma Prasad, granted a patent titled “A Deep Learning Hybrid Model for Improving Machine Translation of Low-Resource Languages” in May, 2024.
- Prof. Arjun K, contributed a chapter titled “Smart Traffic Management System Using IoT” in the book “Futuristic Trends in IoT”, IIP Series, Volume 3, pp. 103–114, May, 2024.
- Prof. Arjun K, contributed a chapter titled “IoT-Based Garbage Monitoring System and Notification Application” in the book Futuristic Trends in IoT, IIP Series, Volume 3, pp. 225–238, May, 2024.
- Dr. Sanjay S. S, has published a paper on “A Comprehensive Review of Disclosures in Academic Journals Regarding the Synthesis of Rasagiline and Its Closely Related Compounds Along with Major Biological Activity Advancements” in the Indian Journal of Pharmacy & Drug Studies, Vol. 3, Issue 2, pp. 1–9, May, 2024.
- Dr. Basava T, has published a paper on “Development and Experimental Characterization Study of Cesium-Doped Zinc Oxide Polymer Conductive Films for Sensing Applications” in the Journal of Physics: Conference Series, Vol. 2748, May, 2024.
- Prof. Nandish N. S, has published a paper on “An Estimation of Cordial Label-Based Topological Indices via QSPR Analysis for Heart Attack Medication Treatment” in the African Journal of Biological Sciences, Vol. 6, Issue 4, June, 2024.
- Dr. G. P. Hegde, and Prof. Deepika Kamath, has published a paper on “Image Forgery Detection: Survey on Key Research Approaches and Challenges” in the International Journal of Scientific Research in Engineering and Management, Vol. 8, Issue 6, June, 2024.