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Brindavana 2024

ಶ್ರೀ ಕೃಷ್ಣದೇವರಾಯ ಶಿಕ್ಷಣ ದತ್ತಿ ಸರ್ ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY (Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NAAC)





Prof. Rakesh S. G. Principal



Dr. E. Kavitha HOD-ETE



Dr. G. K. Prashanth HOD-Chemistry









Editorial Team



Ajay M. S.

ECE



Tushar Sugandhi Mechanical







God Ganesha, revered as the remover of obstacles and the patron of wisdom, finds a profound connection with engineering disciplines. His elephantine head symbolizes intelligence and foresight, essential qualities in problem-solving and innovation within engineering. Ganesha's guidance parallels the foundational role of engineering in shaping civilizations and overcoming challenges, embodying the spirit of innovation and progress.



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Message

Date: 24-06-2024



Dr. Vidyashankar S.

It is my pride to note that Sir M. Visvesvaraya Institute of Technology, Bengaluru, is planning to release annual College Magazine "Brindavana 2024" on the occasion of its College Day celebration.

It is notable that the college founded by Sri Krishnadevaraya Educational Trust, in the year 1986, with a mission to impart quality technical education, provide state-of-art facilities, achieve high quality in teaching-learning and research and to encourage extra and cocurricular activities, has been recognized today as one among the top engineering colleges in the State. I wish the college all the best in this endeavour.

My best wishes to the Editorial board of "Brindavana 2024". All the best to the Management Members, Principal and faculty and students of the College.



Dr. Vidyashankar S. Vice Chancellor



Date: 04-06-2024





Prof. B. E. Rangaswamy

Message 🚊

It is indeed a matter of pride and joy to know that Sir M. Visvesvaraya Institute of Technology, Bengaluru is bringing out a college magazine "Brindavana 2024", on the occasion of college day celebration. Magazine gives platform to students and staff to showcase their talents through the articles of Technical and General

interests, Pencil Sketches, Paintings and Photographs.

Such events in educational institutions are very important as they will definitely kindle the creative spark among students and staff to stretch their imagination into the different frontiers of engineering and pen their dreams, visions, perceptions and projections. It is truly an occasion to bring out the very best talents among the students and staff.

I would like to congratulate the students and the staff of the Editorial committee for their efforts in bringing out this magazine and wish all the other students of Sir M. Visvesvaraya Institute of Technology, Bengaluru, the very best learning experience during their stay at this great institution.



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(Prof. B. E. Rangaswamy) Registrar, VTU Belagavi

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Date: 17-05-2024



Dr. T. N. Sreenivasa

Message

I am pleased to note that Sir M. Visvesvaraya Institute of Technology, Bengaluru is bringing out an annual magazine "BRINDAVANA 2024" for the current academic year.

I am sure that souvenir being released will be an evolving and exciting resource that prove the talents, interest, potentials, creativity, artism, oneness of the students.

I would like to congratulate the students and the staff of the Editorial committee for their efforts in bringing out this magazine and wish all the other students of Sir M. Visvesvaraya Institute of Technology, Bengaluru the very best learning experience during their stay at this institution.





Dr. T. N. Sreenivasa REGISTRAR EVALUATION





Date: 17-05-2024



Dr.A. C. Chandrashekar Raju

"The function of education is to teach one to think intensively and to think critically. Intelligence plus character is the goal of true education"-Martin Luther King, Jr.

In this epoch of Emerging Technologies and Innovations, I am very happy to know that Sir M. Visvesvaraya Institute of Technology is coming out with the yearly magazine Brindavana-2024.

Apart from holding on to the legacy of releasing the Magazine, the beauty is the sincerity, dedication and devotion, in bringing out the creativity of the students und other stake holders. With every small effort initiated by every member of Sir MVIT, the heritage and values of the Institute is rising to newer heights. The unstoppable motivation and continuous deliberation, is leading to unstinted success.

I am indeed very happy to appreciate the efforts of the Principal and members of Editorial Board for this wonderful edition of Brindavana-2024. I wish the team all success.



(Dr.A.C.CHANDRASHEKAR RAJU) PRESIDENT



Message

Date: 17-05-2024



K. V. SEKHAR RAJU

I am very delighted with the release of Brindavana - 2024, the annual Magazine of Sir MVIT. I would like to laud the efforts and appreciate the team for this unique edition of the magazine. Every page of the magazine has realized a sense of creativity and artistic beauty.

When you are sure about your efforts, methods and implementation success is bound to follow as a by-product. The accomplishments vividly appear to be embedded with a divine tint. As you scan through the pages, it will enlighten you with the milestones that the College has achieved this year. Besides, our budding talents have expressed their thoughts, ideas, hopes, feelings, aspirations and convictions in a very ingenious way.

I am happy that our Institution has created a platform and provided a meaningful forum for the students to showcase their literary and artistic skills. I congratulate the Principal and the Editorial team for their tireless efforts and magnificent presentation.

> (K.V.SEKHAR RAJU) VICE PRESIDENT









Date: 17-05-2024



K. SYAMA RAJU

It gives me an immense pleasure to know that Sir M. Visvesvaraya Institute of Technology is bringing out its Annual magazine Brindavana for the year 2024 to reflect its achievements and accomplishments in its curricular, co-curricular and extracurricular domains. It proves that the institution provides a perfect atmosphere for nurturing talents, cultivating skills und maintaining values of life.

Sir MVIT is a reputed Institute in the field of Engineering and Technology which caters to the needs of students and nourishes them to the requirements of Industries and global organizations. Our mission is to make quality education accessible to the new generation, who are the future of our country.

The torch bearers of Sir MVIT have ensured that the system never fails to promote all aspects, be it technical, sports, cultural and literary. Our students and faculty members have proved their talents and it has been portrayed befittingly in this edition. The theme of the magazine and the compilation of contents are splendid. The efforts put in by the Principal and the Editorial team members are commendable. I wish them great success.

(K.SYAMARAJU) SECRETARY











M. VENKATARAMANA RAJU

"A book is a garden, an orchard, a storehouse, a party, a company by the way, a counsellor, a multitude of counsellors." - Charles Baudelaire

I am very happy to learn that Sir MVIT is coming out with its new edition of annual magazine Brindavana - 2024. I feel honoured and enthralled to read and enjoy this edition of the Magazine.

Brindavana is the big screen, where all the talents from various stake holders of Sir MVIT are meticulously arranged and thoughtfully presented. Such platforms provide the students to showcase their budding ideas, creativity, arts forms and curious imaginations. It is with great pleasure we note the remarkable increment in the intellectual capabilities and creative efforts of our students and staff, year on year.

While browsing the Brindavana - 2024, the curiosity keeps on increasing, in anticipation of more interesting contents. Thanks to the joyful journey of Brindavana and kudos to the Team of Principal and all Editorial members.

All the very best for many more successful years of memorable editions

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(M.VENKATAŘAMANA RAJU) TREASURER

Date: 17-05-2024



Principal's Message

Dear Readers

In the capacity of 'Chief Editor' & Principal of Sir M. Visvesvaraya Institute of Technology, Bengaluru, I take pride & pleasure in releasing 30th edition of our college magazine 'Brindavana'. The irresistible response being received from MVITians, in terms of enticing & engaging articles has been taking 'Brindavana' to greater heights year after year. The well thought-out & exemplarily articulated articles thus received are processed by the magazine team in such a way that it comes out as a combination of pattern and brevity, resulting in memorable contents for 'Brindavana'. Kudos to the entire Magazine Team for their untiring and unstinted efforts.

During the Academic Year 2023-24, the college witnessed a series of events in terms of co-curricular and extra-curricular activities organized by various clubs under the auspices of the cultural ensemble 'Kalakaustubha' and the Departmental Forums. We now have in all 8 clubs under 'Sutantra'-the Cocurricular wing, 17 clubs under 'Susamskriti'-the Extra-cultural wing and 10 Professional Body and Department Forums. The students and staff members actively involved themselves in many social outreach activities like blood donation drives, medical camps for underprivileged children, stem cell donation registration drives, village clean-up initiatives, health and hygiene awareness camps, handson training for rural school teachers, and science exhibitions for government school students.

These activities reflect Sir MVIT's commitment to holistic community enrichment and sustainable progress. We, at Sir MVIT, are honored to have such students and faculty members, who have been supporting us in this noble cause.

As has been the trend, the students brought-in glories to the institution by securing - 17 University ranks, 1-Gold medal in UG category, presenting & publishing papers in International Conferences & Journals of repute, participating in national and international level competitions and winning prizes.

These exceptional achievements by the students have been possible only because of the outstanding support & guidance extended by the faculty members. The unwavering growth in the thinking capabilities & advancement of students, under the supervision & leadership of our learned teachers, has taken the standards of our students & thereby the institution to spiraling heights of wonderment. The students have also done exceedingly well in the placement drive with the highest salary package being offered at Rs.14.86 lakhs per annum.

The peaceful & tranquil ambience that exists in the institution goes a long way in imparting holistic education thereby upholding the socially driven values of Krishnadevaraya Educational Trust, which we owe to our founder trustees who started this institution in 1986 with the sole aim of creating top-notch engineering graduates, loaded with human values. The leadership & unstinted support rendered by the college management along with the unrelented hard work put-in by my teaching colleagues makes the college, the right place for study. I am sure the graduands of this college will surge ahead with the rich values & traditions imbibed from here in all their future endeavors.

I pray God Sri Vidya Ganapathi to shower his choicest blessings on all of us and give our students enough courage, resolve & strength to meet all the expectations in the journey ahead and help them in proving to the world outside that they truly belong to Sir MVIT family. Here's wishing the MVITians a great future.

Prof. Rakesh S.G. Principal





Editor's Message

Date: 17-05-2024



Dear Readers,

On behalf of Brindavana - 2024, the Editorial Board and the Editorial Team of our magazine, I would like to wish all authors, patrons and readers a wonderful and prosperous year ahead.

When a thought that has been enduring in mind becomes real, it is truly an interesting and exciting experience. This new assignment of mine as Associate Editor-in-Chief is one such cherished work which I have enjoyed and put forth my fullest. I thank the Principal for entrusting me with such an amazing opportunity and I thank my Magazine Team for their tireless efforts day-in and day-out.

We have taken this assignment with a short timeline to capture the entire achievements and accomplishments of Sir MVIT with a greater responsibility to kindle our young minds to come out with creativity in various Literary and art forms, we are amazed with the great response received from students, staff and faculty.

This year we have introduced a brand-new way of presenting Brindavana – 2024. We have mapped the sections of Brindavana to the Gods of Hindu Mythology. Your curiosity will bump on browsing each section of the Magazine with the wonderful watermark of the God and the connection to the content. Our complete team under the leadership of our Principal Prof. Rakesh S.G., have demonstrated our creativity first to attract the creativity of the authors and subsequently the readers.

2023-24 was another great year for Sir MVIT. Our magazine continues to enjoy acting as a ready reckoner for the events of 2023-24. In the year that has gone by, our institution continued to maintain a splendid performance in curricular, co-curricular and extra-curricular achievements that is unparalleled by any other Institution. For this, I would like to congratulate the entire stake holders of Sir M. Visvesvaraya Institute of Technology and the able Management of Sri Krishnadevaraya Educational Trust who has given us this platform to showcase our talents.

Welcome onboard to the Zenx Mythological journey in your hand BRINDAVANA - 2024

Dr. E. Kavitha Associate Editor-in-Chief Brindavana- 2024



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Rest in Peace OBITUARY -

Founder Trustees Srí Kríshnadevaraya Educational Trust

"Honoring their legacy, their impact endures."



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Sri K Muniswamy Raju 15.06.1943 - 17.08.2023



SRI V. ANANTHA RAJU 21.09.1944 - 02.05.2024



SRI M. VARADA RAJ 05.09.1936 - 25.02.2024



Goddess Annapurni symbolizes nourishment and sustenance, paralleling engineering fields by supporting life through essential resources. Mechanical, civil, and electrical engineering reflect her roles in production, infrastructure, and power distribution. Chemical and software engineering align with her provision of fundamental materials and information for societal growth.





TRUSTEES





BOARD OF TRUSTEES BRINDAVANA



DR A. C. CHANDRASHEKHAR RAJU



SRI K. SYAMA RAJU



SRI V. SRINIVASA RAJU



SRI L. K. RAJU



2024

SRI K. V. SEKHAR RAJU



SRI K. NARAYANA RAJU



SRI M. VENKATRAMANA RAJU



SRI BHASKAR N. RAJU



SRI N. G. RAJU



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SRI S.A.L. VINAY



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SRI KRISHNADEVARAYA EDUCATIONAL TRUST



DR A. C. CHANDRASHEKHAR RAJU PRESIDENT SRI K. V. SEKHAR RAJU VICE PRESIDENT



SECRETARY



SRI M. VENKATRAMANA RAJU TREASURER BRINDAVANA

2024



GOVERNING BODY MEMBERS



SL.NO.	NAME	DESIGNATION	
1	Dr. A.C. Chandrasekhar Raju: President	Chairman	
2	Sri K.V. Sekhar Raju: Vice-PresidenT	Member	
3	Srí K. Syama Raju: Secretary	Member	
4	Sri M. Venkataramana Raju: Treasurer	Member	
5	Sri L.K. Raju: Trustee	Member	
6	Sri G. Prabhakar Raju Chairman - Academic Committee	Member	
7	Sri Bhaskar N. Raju: Trustee	Member	
8	Dr. R. Natarajan: Former Chairman AlCTE Former Director IIT Madras	Member	
9	Dr. Rajanikath K. : Former Advisor & Principal - MSRIT	Member	
10	Director of Technical Education, Karnataka	Member	
n	The Regional Officer All India Council for Technical Education, SWRO	Member	
12	Dr. A.P. Partha: Department of IEM Bangalore Institute of Technology	Member	
13	Dr. H.G. Nagendra: HOD - BT Sir MVIT	Member	
14	Dr. E. Kavitha: HOD - ETE Sir MVIT	Member	
15	Dr. Rakesh S.G. : Principal - Sir MVIT	Member Secretary	



God Brahma, the creator in Hindu mythology, symbolizes the inception and design aspects of engineering. His role in creation parallels the engineering process of developing innovative solutions and constructing foundational systems. Brahma's association with knowledge and creativity reflects the essential qualities required in engineering disciplines.





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Principal's Report



Annual Report 2023-24



Dear Readers

The annual report presentation is a testament to our collective dedication, hard work, and unwavering commitment to excellence in education, research, and community service. This year has been a remarkable journey filled with both challenges and triumphs. Our institute has not only upheld its legacy of academic excellence but also ventured into new frontiers, setting higher standards and embracing innovative approaches. As we review the highlights and accomplishments detailed in this report, we celebrate the contributions of our talented

faculty, diligent staff, and exceptional students whose relentless efforts have been the cornerstone of our success.

In this report, you will find comprehensive insights into our academic programs, research initiatives, infrastructural developments, and stakeholders' engagements. Each section reflects our strategic vision and the dynamic efforts that have driven our institute forward. With immense pleasure and privilege, I present the achievements, milestones, and progress of our esteemed institute over the past year.

About Sir MVIT

Sir M. Visvesvaraya Institute of Technology is a renowned and leading engineering institute in Karnataka, established by Sri Krishnadevaraya Educational Trust in 1986. Named after Sir M. Visvesvaraya, a distinguished engineer and statesman, the institute has built a strong reputation for its quality education and infrastructure. Sir MVIT is known for its academic excellence, comprehensive infrastructure, and strong emphasis on research and development. Since its inception, 34 batches of students have graduated from the institution, many of whom hold prestigious positions in various premier organizations around the globe. Focusing on both technical education and holistic development, the institute prepares students to meet the challenges of the professional world. The serene campus environment and a wide range of extracurricular activities further enhance the overall student experience.

Programmes Offered

The institute offers 10 B.E. degree programs in Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Electronics & Telecommunication Engineering, Information Science Engineering, Biotechnology, Artificial Intelligence & Machine Learning, and CSE (IoT & Cybersecurity including Blockchain Technology). Additionally, Sir MVIT offers 4 Master's programs: M.Tech. in Electronics, M.Tech. in Biotechnology & Biochemical Engineering, Master of Computer Applications, and Master of Business Administration. Recently, the institute received AICTE approval for 3 new B.E. programs in Electronics & Computer Science/Engineering, Robotics & Artificial Intelligence, CSE (Data Science) and 2 new M.Tech. programs in Robotics & Artificial Intelligence and Construction Technology, taking the total number to 13 and 6 in UG and PG respectively.

Affiliation and Accreditation

The institute is affiliated to Visvesvaraya Technological University (VTU) and approved by All India Council for Technical Education (AICTE), New Delhi.



NBA Accreditation

Four programs CV and EEE (2023 to June 2026), BT and ISE (2024 to 2027) have received the NBA accreditation.

NAAC Accreditation

The institute is accredited by National Assessment and Accreditation Council with an 'A' grade from 2024 to 2028.

Campus facilities

The institute is situated on a vast 133-acre lush green campus near Bengaluru International Airport, along with its two sister institutions, Sri Krishnadevaraya College of Dental Sciences & Hospital and Sir MV School of Architecture. The campus encompasses men's and women's hostels, staff quarters, guest house, and a cafeteria. Two years ago, Vidya Ganapathi temple was constructed within the campus, which also accommodates a meditation center. New roads and footpaths have been constructed to interconnect various academic blocks and other campus facilities. The entire campus landscaping has been enhanced with more appealing designs and increased greenery.

Academic and Research Infrastructure

- Spacious laboratories enabled with modern equipment and facilities
- Classrooms with ICT facility
- Labs equipped with CCTV Cameras, LCD Projectors, Display Charts
- Project labs and Skill labs
- Workshops in Mechanical Departments
- Tutorial Rooms and Seminar Halls in each department
- Department Libraries
- Research lab with computing facilities with high end computers
- Newly built computer labs with high end computers
- VTU digital valuation centre
- Centralized IA valuation centre
- New academic block for newly started programs
- New library block

Library and Information Centre				
Built up area	1400 sq. mt.			
No. of Titles	18,368			
No. of Volumes	64,288			
Print Journals	IN-3, NAT-21			
Digital Library	YES			
Automation	LIBSOFT - Software			
Annual Budget	40 Lakhs			
SC/ST Book Bank, Xerox	Available			
Timings	12 Hours : Working Days			
	7 Hours : Holidays			



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- Membership NDL(National Digital Library), CMTI
- e-Journals Subscribed for VTU E-Resource package
- e-Resource NPTEL (National Program on Technical Enhanced Learning) Course Ware Material



Sports Facility

Sir MVIT offers the best sports facilities a campus can offer, with emphasis placed on both indoor and outdoor sports. A Cricket field, Football field, Volleyball courts, and Basketball courts are provided. Within the indoor stadium, Badminton courts and other games like Table Tennis and Carrom are included for students to take a well-deserved break from academics and unwind. Below are the details of the sports facilities in the campus.

SI.No.	Sport	Area in Sq mts
1.	Cricket Field	75 (Yards)
2.	Foot Ball Field	100 Yards x 75 Yards
3.	Athletic Track	21480.00
4.	Basket Ball Court (Cement)	626.48
5.	Tennis Court (Clay)	836.00
6.	Ball Badminton Courts	1102.00
7.	Volley Ball Courts	1008.00
8.	Kho-Kho Court	540.00
9.	Kabaddi court	364.00
10.	Badminton Courts - cement court	370.26
11.	Badminton Courts wooden court	370.26
12.	Table Tennis Table	450.00
13.	Chess & Carom Room	81.00



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Medical Facilities



Krishnadevaraya College of Dental Sciences & Hospital situated on the campus provides general medical services and dental care to students and staff. A 24/7 ambulance service is available to transfer medical emergency cases to nearby nursing homes and hospitals.

Statistics of Human Resource:

Total number of students - 2982

Total number of Faculty members – 195 Total number of Staff members - 121

Faculty with Ph.D. - 62

New Administrative Roles

Dr. Prashanth G. K., took charge as the HoD of Chemistry from Dr. G. M. Krishnaiah, with effect from 1st January 2024.

Newly joined faculty and staff members

CL MI	Alema	Destaunting	Descentario	Data of Interio
<u>SI. No.</u>	Name	Designation	ECE Department	Date of joinin
2	Ms. Seema Sreekumar Ms. Akila P.	Assistant Professor Assistant Professor	ETE	02/06/2023
3	Ms. Swetha B. M.	Assistant Professor	ETE	08/06/2023
4				21/06/2023
5	Ms. Reena Sonigrah	Well-being consultant	Counselling	03/07/2023
	Ms. Madhu Kumari Ray	Assistant Professor	ECE	27/10/2023
6	Ms. Sudha J.	Assistant Professor	ECE	20/11/2023
7	Ms. Savita Bhairgond	Assistant Professor	MCA	29/11/2023
8	Ms. Sowjanya Lakshmi A.	Assistant Professor	ECE	01/12/2023
9	Ms. Shilpa Chippalakatti	Assistant Professor	ECE	22/12/2023
10	Ms. Geetha V.	Assistant Professor	ECE	28/12/2023
11	Ms. Latha Y. L.	Assistant Professor	Mathematics	08/11/2023
12	Ms. Janani P.	Assistant Professor	Mathematics	06/11/2023
13	Ms. Bhavya Shree	Assistant Professor	MBA	01/01/2024
14	Ms. Sandra M.	Assistant Professor	EEE	15/02/2024
15	Ms. Vasantha Kumari	Assistant Professor	EEE	01/02/2024
16	Ms. Vishalidevi S.	Assistant Professor	ETE	08/02/2024
17	Ms. Bavana V.	Assistant Professor	ISE	21/02/2024
18	Ms. Yerramchetti Thejaswi	Assistant Professor	ISE	31/01/2024
19	Ms. Arathi Pawar	Assistant Professor	ISE	15/02/2024
20	Ms. Roopa A.	Assistant Professor	MCA	19/02/2024
21	Mr. K. V. Sumith	Assistant Professor	CV	10/04/2024
22	Ms. Irene Martina	Assistant Professor	ETE	03/04/2024
23	Mr. Ganaraj G.	Assistant Professor	ETE	05/04/2024
24	Ms. Likitha N.	Assistant Professor	Physics	08/04/2024
25	Ms. Niveditha C. N.	Assistant Professor	Mathematics	15/04/2024
26	Mr. Harish K. C.	Assistant Professor	Mathematics	03/04/2024
27	Dr. Harini G. S.	Associate Professor	ECE	30/05/2024
28	Dr.Pavan Kumar Kummamuru	Associate Professor	CV	13/06/2024
29	Dr.Manjunatha Swamy K.M.	Assistant Professor	MECH	03/06/2024
30	Dr.Mangala Gowri	Associate Professor	ECE	06/06/2024
31	Dr.S.Pradeep Narayanan	Assistant Professor	ECE	08/07/2024
32			EEE	
33	Dr.Ashwini A.V.	Assistant Professor	EEE	19/06/2024
33	Dr.Rekha S.	Assistant Professor		01/07/2024
-	Dr.A.Prakash	Professor	CSE	12/06/2024
35	Ms.Chandana K.R.	Assistant Professor	CSE	03/06/2024
36	Ms.N.Umamaheswari	Assistant Professor	CSE	05/06/2024
37	Ms.Roopa H.L.	Assistant Professor	IOT & CSIBT	10/06/2024
38	Dr.S.Ambareesh	Professor	AIML	12/07/2024
39	Dr.S.Sreelakshmi	Professor & HOD	Mathematics	12/06/2024
40	Dr.V.Nagaradhika	Associate Professor	Mathematics	01/07/2024
41	Dr.Rudresha C.	Assistant Professor	Mathematics	07/06/2024
42	Dr.Shivananda C.S.	Associate Professor	Physics	05/07/2024
43	Dr.Ashly P.C.	Assistant Professor	Chemistry	04/07/2024
44	Dr.Cindrella Nishmitha Gonsalves	Assistant Professor	Chemistry	05/07/2024
45	Dr.Vanitha M.	Assistant Professor	Physics	08/07/2024
46	Mr.Muniraju V	Lab Assistant	Physics	03/07/2024
47	Dr.Malatesh N.Akki	Chief Librarian	Library	13/06/2024
48	Ms.Binu Abraham	Asst.Librarian	Library	10/06/2024





Department of Bio-Technology

Journal Publications:

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- Pradeepa, Rashmi Kanugodu Vasappa, Darshini Shivamogga Mohan, Srinivas Mutalik, Manjunatha Bukkambudhi Krishnaswamy, Anil Kumar Honnali Srinivasalu, Mukunda Suryanarayana, and Vidya Shimoga Muddappa. "In vivo toxicity and biodistribution of intravenously administered antibioticfunctionalized gold nanoparticles." Gold Bulletin 56, no. 4 (2023): 209-220. https://doi.org/10.1007/s13404-024-00343-9
- Seetharamaiah, Sagar, Vidya Shimoga Muddappa, Manjunatha Bukkambudhi Krishnaswamy, and Rashmi Kanugodu Vasappa. "Antineoplastic Effects of Mucuna pruriens Against Human Colorectal Adenocarcinoma." Applied Biochemistry and Biotechnology 196, no. 3 (2024): 1350-1364. https://doi.org/10.1007/s12010-023-04598-4
- Senapati, Dillip K., D. Jagadeesh Kumar, Priya Narayan, Nagendra HG, Venkatesha MA, K. R. K. Easwaran, K. V. Ramanathan, and S. Raghothama. "Structural analysis of the AICD central 12 residue peptide stretch and its interactions with metals and polyphenols, as a potential drug target for AD." Journal of Biomolecular Structure and Dynamics (2023): 1-9. https://doi.org/10.1080/07391102.2023.2245044
- Vasuki, Aluru, Menon Mrinalini, and Sukumaran Omana Bindhu. "Biotechnological application prospects of latex proteases from Apocynaceae family." Research Journal of Biotechnology Vol 18 (2023): 11. https://doi.org/10.25303/1811rjbt2330240
- R., Halima, Narula, Archna. "Nano-Enzymatic Hydrolysis and Fermentation of Waste Starch Sources for Bioethanol Production: An Optimization Study." Journal of Mines, Metals & Fuels 71, no. 3 (2023). https://doi.org/10.18311/jmmf/2023/33756

Book Chapters:



- Rashmi K.V., Vidya S.M. and Manjunatha B.K. "Trace Metallic Elements and Metal Nanoparticle-Induced Phytohormesis during Stress Adaptation in Plants". Stress in Plants: The Hidden Half, Cambridge Scholars Publishing, United Kingdom (2023). 169-193. ISBN: 1-5275-5603-4.
- Halima R. "Phytoremediation: A Green Solution to Heavy Metal Contamination in Plants". Stress in Plants: The Hidden Half, Cambridge Scholars Publishing, United Kingdom (2023). ISBN: 1-5275-5603-4.

Patent Publications:



- S.M. Vidya, Pradeepa, K.V. Rashmi, H. S. Anil Kumar, Venkatesh Kamath H., B. K. Manjunatha, S. M. Darshini, "Nanoparticles based TDS Detection." Application No.202341038199, 1 st December 2023, Indian
- S.M. Vidya, K.V. Rashmi, B. K. Manjunatha, "Co-fermented Nutritional Formulation from Seeds and Millets." Application No. 202341038197, 1st December 2023, Indian
- Dr. Chandran Masi Thanikasalam Arumugam, Dr. Kolla Naga Sreenivasa Rao, Pendlimarri Manisha, Dr. Nageswararao Cheepurupalli, Dr. Anuradha Bhagavandin, Ms. Pichikala Varsha, Dr. Rakesh Kumar Pandey, Dr. S. Sundararajan, and Dr. Sudevi Basu, Innovative Water Treatment System for Efficient Stormwater Management and Quality Improvement." Application number 20244100208, 16th February 2024



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Department of Civil Engineering

Conference Publication

• Kumar, H. Ravi, and N. S. Kumar. "Research on predicting axial load capacity of concrete filled steel tubular columns based on support vector machine method." In AIP Conference Proceedings, vol. 2399, no. 1. AIP Publishing, (2023). https://doi.org/10.1063/5.0134677.

Patent Publications

• Pradeepa S., Anitha J., Ramya N., K. V. R. Prasad, "Development of Fiber Reinforced Cement Mortar for Sustainable Construction in India." Application number 202341075487, 22 nd December 2023, Indian

Department of Computer Science Engineering

Journal publications

- Chaudhary, Savita, V. Karthik, R. Shankar, Ayesha Taranum, and E. Naresh. "Parametrized Optimization Based on an Investigation of Musical Similarities Using SPARK and Hadoop." SN Computer Science 5, no. 1 (2023): 78. https://doi.org/10.1007/s42979-023-02367-y
- Bandi, Revanasiddappa, Suma Swamy, and C. S. Arvind. "Leaf disease severity classification with explainable artificial intelligence using transformer networks."International Journal of Advanced Technology & Engineering Exploration 10, no. 100 (2023) : 278. https://doi.org/10.19101/IJATEE.2022.10100136
- Shankar, R., Suma Swamy, and Shashiroop Hegde. "Exploring Sentiment Analysis in Kannada Language: A Comprehensive Study on COVID-19 Data using Machine Learning and Ensemble Algorithms." International Journal of Intelligent Systems and Applications in Engineering 12, no. 11s (2024): 21-29

Conference Publication

 Sreenivasa B. C, and G. C. Bhanu Prakash, "Linkdb-TCP: A Congestion Control Technique for MANET Based On Link Layer Measurements." In 2023 International Conference on Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS), pp. 17-21. IEEE, (2023). https://doi.org/10.1109/ICAECIS58353.2023.10170370

Book authored

• Dr. Ashwini Kumar Srivastava, Dr. Karamthoti M B, Dr. T N Anitha, and Dr. Damla "Introduction to Cyber Forensics." Scientific International Publishing, 2023. ISBN 978-93-57575-49-2

Patent Publications

- Rajesh. E, Om Prakash Singh, Dr. S. Perumal, Ms. V. D. Nandhini, Mr. Radwan Altalqani, Prof. Ingole Atul Bhimrao, Dr. Joe Cajetan Lopez, R Krishna Kumar, Dr T N Anitha, Saranya. T, Artificial Intelligence and Machine Learning Based Brain Controlled Car for Disabled Person and Old Person, 6 th October 2023, Indian
- Mr. Revanasiddappa and Dr. Suma Swamy, "IoT-Based Smart Agriculture to Optimize Crop Yield, Application number 202341074029, 15 th December 2023, Indian





Journal Publications

- Gugulothu, Babu Naik, Sanjay Lakshminarayanan, Madhu Palati, and Suresh Haleyur Lakshmegowda. "A Novel Method to Improve the Residual Life of Switchgear by Reducing the Impact Caused by Thermal and Mechanical Stresses Produced Due to SLG Cable Faults in Electrical Substations." Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 106, no. 2 (2023): 68-77. https://doi.org/10.37934/arfmts.106.2.6877
- Veena, S., H. L. Suresh, N. Rai, N. Veerapandi, and V. S. Nagaraj. "System Level Simulation and Fabrication of SOI-MEMS Differential Capacitive Accelerometer." Journal of Applied Science and Engineering (Taiwan) 27, no. 3 (2023): 2251-2257. https://doi.org/10.6180/jase.202403_27(3).0012
- Subha, R., B. R. Nayana, Rekha Radhakrishnan, and P. Sumalatha. "Computational intelligence for early detection of infertility in women." Engineering Applications of Artificial Intelligence 127 (2024): 107400. https://doi.org/10.1016/j.engappai.2023.107400

Conference Publications

- Mahesh, G. Sreeramulu, C. V. Mohan, B. K. Nagesh, and G. Dillibabu. "Sustainable and Optimized Harmonic Filter Design for Industrial Loads." Procedia Computer Science 230 (2023): 780-787. https://doi.org/10.1016/j.procs.2023.12.132
- Sivapriyan, R., Lavan Raj, Tamil Selvi, and Ganesh Raj. "Literature Review on Augmented Reality in Electrical Engineering Education." In 2024 3r International Conference for Innovation in Technology (INOCON), pp. 1-8. IEEE, (2024). https://doi.org/10.1109/INOCON60754.2024.10511984

Book chapter

• Mahesh, K., J. Lithesh, and S. Inbasakaran. "Estimate and Analysis of Various Parameters of Static and Rotating Machine Using MATLAB Software." Research and Applications Towards Mathematics and Computer Science (2023): 12

Patent Publications

 Dr. Mahesh K., Dr. Suresh H.L., Manu Patil, Dhanush R., Punith M.R., Spoorthi, Srujana C.R., Smitha T. Patil, Shashidhar S., Chandu J., Khivan Avtar, Uday Ketan, Darshan H.B., K.B. Mithuan Cariappa, Kruthik Krishnamurthy, Shibajeet Mukherjee, Sparsh Kumar. "Electric Vehicle for Go-Karting" Application Number 202341057721, 8 th September 2023, Indian

Department of Electronics & Communication Engineering

Journal Publications

 Purushothama, Vani Bengaluru, and Sundaraguru Ramakrishnan. "A simplified optimization for resource management in cognitive radio network-based internet-of-things over 5G networks." International Journal of Electrical & Computer Engineering (2088-8708) 13, no. 6 (2023). https://doi.org/10.11591/ijece.v13i6.pp6513-6524

BRINDAVANA 2024



- Vijayashri V. Belgaonkar, and Sundaraguru Ramakrishnan. "Free space optical communication system in the presence of atmospheric losses". The Indonesian Journal of Electrical Engineering and Computer Science (2024). http://doi.org/10.11591/ijeecs.v33.i1.pp159-166
- Shivashankaraiah, Kumaraswamy, Gadigi Shashibhushan, Arumugam Prema Kirubakaran, Chowdappa Anjanappa, Pradosh Kumar Sharma, Ishwarya Mayiladuthurai Vaidyanathan, Syed Noeman Taqui, Sami Al Obaid, and Saleh Alfarraj. "Developing a Deep Learning and Reliable Optimization Techniques for Solar Photovoltaic Power Prediction." Electric Power Components and Systems (2024): 1-15. https://doi.org/10.1080/15325008.2024.2317369

Patents Registered/Published

- Dr. G. Shashibhushan, "Electric Vehicle Charging Station". 18 th July 2023, Application No. 6297204, UK
- Dr. G. Shashibhushan, "Designing of a Coolant based Battery Cooling System in an Electric Vehicle." Application No. 202341044230, 1 st September 2023, Indian
- Dr. G. Shashibhushan, "Electric Cart for Agricultural Purpose". 21 st September 2023, Application No. 202341042361, Indian
- Dr. Arun Shalin L, Mrs. Naveena S, Dr. G Shashibhushan, Praful V. Nandankar, "Electric Cart for Agricultural Purpose". Application number 389910-001, 21 st September 2023, Indian
- Dr. Sasmita Mohapatra, "Non-invasive Method of Detecting glucose and Smart Automated Insulin Pen. "Application number 202341082444, 5 th January 2024, Indian
- Dr. G. Shashibhushan, G. Satish, Suwarna Santhosh Shete and Pranjal Amit Jog. "Battery Health Detection Device for E-Vehicle." Design Number 401682-001, 2 nd February 2024, Indian
- Dr. Sheetal Belaldavar. "16-Bit Tri-Gate Finfet based Alu Designed to Reduce Leakage Power using Dual Power Gated Stack at 20Nm Technology." Application number 202441007194, 1 st March 2024, Indian
- Dr. G. Shashibhushan, Dr. Vishwanatha N.R., Dr. Likith Kumar M.V., and Dr. P.Veena. "Electric Vehicle Headlight Console". Application No. 405490-001, 27 th March 2024, Indian
- Dr. Sheetal Bagali, "Low Power Technique for CNTFET based SRAM at 7nm Technology." Application number 202441031507, 26 th April 2024, Indian

Department of Electronics & Telecommunication Engineering Journal Publications

• Dhanalakshmi, P. Ravikanth Garladinne, E. Kavitha, Patan Saleem Akram, A. Sheela, Syed Noeman Taqui, Essam A. Al-Ammar, Saikh Mohammad Wabaidur, and Amjad Iqbal. "Performance measurement of HVAC systems with integrated phase change materials using fuzzy logical controller." Electric Power Components and Systems 52, no. 3 (2024): 356-363. https://doi.org/10.1080/15325008.2023.2220335

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Books Authored

• Dr. E. Kavitha, Ms. R. Gayathri, Mrs. Riddhi R. Mirajkar and Mr. R. Manikandan, "Digital Electronics." Asan Publication, 2023. ISBN: 978-81-9313-72-3

Department of Mechanical Engineering

Journal Publications

- Madhukumar, K., G. Balakumar, N. Chikkanna, and N. R. Thyagaraj."Microstructural Characterization and Wear Studies of T6 Heat-Treated A6082Composite Reinforced with Yttria-Stabilized Zirconia." Journal of AdvancedManufacturing Systems (2023): 1-19. https://doi.org/10.1142/S0219686724500124
- Kiran, M. D., Lokesh Yadhav BR, Atul Babbar, Raman Kumar, Sharath Chandra HS, Rashmi P. Shetty, K. B. Sudeepa, L. Sampath Kuamr, Rupinder Kaur, Meshel Q.Alkahtani, and Saiful Islam. "Tribological properties of CNT-filled epoxy-carbonfabric composites: Optimization and modelling by machine learning." Journal ofMaterials Research and Technology 28 (2024): 2582-2601.https://doi.org/10.1016/j.jmrt.2023.12.175
- Prasad, C. Durga, S. Kollur, M. Nusrathulla, G. Satheesh Babu, M. B.Hanamantraygouda, B. N. Prashanth, and N. Nagabhushana. "Characterisation andwear behaviour of SiC reinforced FeNiCrMo composite coating by HVOFprocess." Transactions of the IMF 102, no. 1 (2024): 22-28.https://doi.org/10.1080/00202967.2023.2246259
- Nataraja, M., G. Balakumar, N. Santhosh, and M. Rudra Naik. "Characterization ofwear rate of Al-12 wt% Si alloy based MMC reinforced with ZrO 2 particulates."Materials Research Express 11, no. 3 (2024): 036522. https://doi.org/10.1088/2053-1591/ad3468
- Nataraja, M., G. Balakumar, and N. Santhosh. "Functional Evaluation of the Effectof ZrO 2 Reinforcements on the Density, Microstructure, Strength and Hardness ofAl-12 wt% Si Alloy Based Composites." Journal of The Institution of Engineers (India): Series D (2024): 1-14. https://doi.org/10.1007/s40033-024-00715-7

Conference Publication

 Poornima, S. Nithya, and V. Shantha. "Influence of the Bio-lubricant Along with Nano Compounds as Additives on the Properties of the Lubricant." In International Conference on Smart Sustainable Materials and Technologies, pp. 55-63. Cham: Springer Nature Switzerland, (2023). https://doi.org/10.1007/978-3-031-49826-8_8

Books Authored

- Mr. Madhu Kumar K., Mr. S.C. Boobalan, Dr. G. Anand, Dr. N. Abilash, and Dr.G.V. Krishna Pradeep. "Smart Materials and its Applications."Cosmos ScientificPublications, 2023. ISBN: 978-81-19359-60-8
- Dr. Madhu Kumar K., Dr. G. Balakumar and Dr. Sampath kumar L. "BeyondBoundaries: The World of Additive Manufacturing." Iterative InternationalPublishers, 2024. ISBN: 978-1-68576-470-8
- Dr. Chibrakesavan Reddy, Dr. Kiran Kumar M., Dr. Sairam Inkollu, Chitradevi Sethu, and Dr. V. Srinivasa Rao. "Advancements in Electric and Hybrid Vehicles." Cosmos Scientific Publications, 2024. ISBN: 978-81-19359-56-1



Book Chapters

 Madhukumar, K. "Advancing Sustainable Propulsion: A Holistic Examination and Optimization of a Six-Cylinder Compressed Air Radial Engine Design." Theory and Applications of Engineering Research, Vol. 4, pp. 96–116. (2024). https://doi.org/10.9734/bpi/taer/v4/7280C

Department of Management Studies

Books Authored

• Dr. H. K. Manjula, Dr. Priyanka Sharma, and Dr. Divyesh Kumar, "Compensation and Performance Management." Vision Book House, 2023. ISBN: 978-93-58409-72-7.

Department of Chemistry

Journal Publications

- Nagarajaiah, Shobha, N. Nanda, Praveen Manjappa, Bhangi Mutta Nagabhushana, Manoj Gadewar, Srilatha Rao, and Prashanth Gopala Krishna. "Evaluation of apoptosis in human breast cancer cell (MDA-MB-231) induced by ZnO nanoparticles synthesized using Piper betle leaf extract as bio-fuel." Applied Physics A 129, no. 6 (2023): 461. https://doi.org/10.1007/s00339-023-06731-w
- G. K. Prashanth, Gadewar, Manoj, M. Ravindra Babu, M. S. Dileep, P. A. Prashanth, Srilatha Rao, M. Mahadevaswamy et al. "Unlocking nature's potential: Green synthesis of ZnO nanoparticles and their multifaceted applications-A concise overview." Journal of Saudi Chemical Society (2023): 101774. https://doi.org/10.1016/j.jscs.2023.101774
- Renuka, P. H., Srilatha Rao, Padmalatha Rao, and G. K. Prashanth. "Corrosion mitigation of mild steel in 1 M HCl acid using an expired drug: An experimental approach." Inorganic Chemistry Communications 160 (2024): 111871. https://doi.org/10.1016/j.inoche.2023.111871
- Shree S, Smitha, Srilatha Rao, A. S. Sowmyashree, G. K. Prashanth, Vidhyashree Kumbla, and T. Aravinda. "Inhibitory effects of 1-butylpyridin-1-ium bromide in 0.1 M sulphamic acid for mild steel." Canadian Metallurgical Quarterly (2024): 1-11. https://doi.org/10.1080/00084433.2024.2306011
- Nagarajaiah, Shobha, Aladahalli Shivanna Giresha, Prashanth Gopala Krishna, Manoj Manikrao Gadewar, Manjappa Praveen, Nagappa Nanda, Deepadarshan Urs, "Anti-oncogenic Potential and Inflammation Modulatory Response of Green Synthesized Biocompatible Silver Nanoparticles." Chemistry & Biodiversity (2024): e202301533. https://doi.org/10.1002/cbdv.202301533
- Bhagya, N. P., G. K. Prashanth, Srilatha Rao, P. A. Prashanth, A. S. Sowmyashree, B. N. Veerabhadraswamy, M. Mahadevaswamy, and K. V. Yatish. "NanoGuard: Antibacterial marvels of strontium titanate-Synthesis, characterization, and multifunctional insights." Inorganic Chemistry Communications 163 (2024): 112303. https://doi.org/10.1016/j.inoche.2024.112303
- Prashanth, G. K., M. S. Dileep, Manoj Gadewar, Mithun Kumar Ghosh, Srilatha Rao, A. S. Giresha, P. A. Prashanth, M. Mahadeva Swamy, K. V. Yatish, and M. Mutthuraju. "Zinc Oxide Nanostructures: Illuminating the Potential in Biomedical Applications: A Brief Overview." BioNanoScience (2024): 1-21. https://doi.org/10.1007/s12668-024-01366-4





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Books Authored

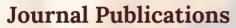
- Dr. Prashanth G.K., "Applied Chemistry" for the students of CSE and allied branches of VTU, Infinite Learning Solutions, 2023. ISBN: 978-81-19521-06-7
- Dr. Prashanth G.K., "Applied Chemistry" for the students of EEE and allied branches of VTU, Infinite Learning Solutions, 2023. ISBN: 978-81-19521-78-4
- Dr. Prashanth G.K., and Dr. Srilatha Rao. "Applied Chemistry" for the students of Mechanical and allied branches of VTU, 2024. Infinite Learning Solutions, ISBN: 978-81-19521-78-4
- Dr. Prashanth G.K., Dr. Srilatha Rao, and Dr. Prashanth P.A., "Applied Chemistry" for the students of Mechanical and allied branches of VTU, Infinite Learning Solutions, 2024. ISBN: 978-81-1952190-6
- Prashanth, G. K., M. Mutthuraju, Manoj Gadewar, Srilatha Rao, K. V. Yatish, Mithun Kumar Ghosh, A. S. Sowmyashree, and K. Shwetha. "Green Nanotechnology in Wastewater Treatment." in Wastewater Treatment Using Green Synthesis, pp. 79-94. CRC Press (2023). ISBN: 978-1-003-34283-0, https://doi.org/10.1201/9781003342830
- Prashanth, G. K., Manoj Gadewar, M. Mutthuraju, Srilatha Rao, A. S. Sowmyashree, K. Shwetha, Mithun Kumar Ghosh, B. R. Malini, and Vinita Chaturvedi. "Unleashing the Potential of Green-Synthesized Nanoparticles for Effective Biomedical Application." Green Synthesis of Nanomaterials: Biological and Environmental Applications. Wiley (2024): 343-367. ISBN: 978-1-119-90090-0, https://doi.org/10.1002/9781119900931.ch16

Patents Published

- Gadewar Manoj, Prashanth GK., Bharat Lal, Yele Santosh, Suchetha, "Green Synthesis of silver nanoparticles using leaf extract and uses thereof." Application number 202221030176, 1 st December 2023, Indian
- Dr. Mahadevaswamy M., Dr. Prashanth G. K., Dr. Mallikarjun B. Chougala, Dr. Srilatha Rao, Dr. Sowmyashree A. S., Mr. Mutthuraju M., Dr. Prashanth P. A., Dr. Dileep M., "Green Assisted Synthesis of Molybdenum Oxide Nanoparticles: Exploring Biological and Electrochemical Activities." Application number 202341077514, 22 nd December 2023, Indian
- Dr. B.S. Surendra, Dr. Mahadeva Swamy M. Dr. Rudresh M., Dr. Bincy Rose Vergis, Shruthi K.S., Dr. Swarna S., Dr. Prashanth G.K., "Sustainable-Cost effective and Disposable CdFe 2 O 4 NPs-graphite Electrode for Heavy Metal Mercury Detection." 26th January 2024, India. Application No. 20244100, Indian

RESEARCH

Interdepartmental Collaborative Research Articles and Patents



Department of Biotechnology and Department of Mechanical Engineering

 Hariharan, P., L. Sampath Kumar, and H. G. Nagendra. "Optimization and Enhanced Production of Thrombolytic Enzyme by Cladosporium flabelliforme MVIT CH3 through Submerged Fermentation Processes." Biomedical and Biotechnology Research Journal (BBRJ) 7, no. 3 (2023): 377-386. https://doi.org/10.4103/bbrj.bbrj_118_23

Patents

Chemistry Department of & Department of Biotechnology

- Dr. Prashanth G. K., Dr. Rashmi K. V., Dr. Srilatha Rao, Dr. Dileep M. S., Dr. Mahadevaswamy M. and Dr. Bhagya N. P., "Bio-fuel Mediated Combustion Synthesis of ZnO Nanoparticles Utilizing Leaf Extract: Comprehensive Characterization and Assessment of Antioxidant and Anticancer Activities." Application number 202441004707, 9th February 2024, Indian
- Dr. Prashanth G. K., Dr. Rashmi K. V., Dr. Srilatha Rao, Dr. Lalithamba H. S., Dr. Mahadevaswamy M., Dr. Bhagya N. P Environmentally Friendly Method for Producing Copper Oxide Nanoparticles with Biomedical Potential", Application number 202441021129, 29th March 2024, Indian

Department of Electrical & Electronics Engineering and Department of Electronics & Telecommunication Engineering

- Kesavamoorthy R., P. Kezai Joy Kumari, Akila P., Manjula Subramaniam, S.V. Rajesh Kumar, Dr. P. Aruna Jeyanthy. "Intelligent Power Management for Embedded Devices with Machine Learning Based Anomaly Detection", 13th October 2023, Indian
- Dr. Kesavamoorthy, R. Rema Gopalan, Aditi, Dr. Raja M., Dr. M. Vilasinin Anusha M., Annapurna Manjunatha, V. Rajesh Kumar, P. Kezia Joy Kumari and Akila P. " Arcadelab: Gamified Learning in the Virtual AR Lab." Application number No.202441003198 9th February 2024, Indian

Department of Electrical & Electronics Engineering, Department of Civil Engineering, Department of Electronics & Telecommunication Engineering

Keshavamoorthy R., V. Rajesh Kumar, Akila P., Dr. Parthasarathy, Tamil Selvi N., Dr. S. Ravindran, P. Kezia Joy Kumari and Manjula Subramaniam. "Integrated Deep Learning for Adaptive Smart Energy Management in Urban Environments". Application number 202441000139, 26 th January 2024, Indian

Department of Physics and Department of Electronics & Communication Engineering

• Dr. Hariharan N., Sasikumar N., Phaninder Ravi., "A Method and System for Compilation of Examination Results into Consolidated Reports." Application number 202441026389, 12 th April 2024, Indian

BRINDAVAN 2024 Faculty Achievements & Recognition

BRINDAVANA

2024

Department of Biotechnology



1. Dr. H. G. Nagendra delivered an invited lecture at the 3-Day Faculty Development Programme on "Scientific Foundation of Health and Indian Constitution and Biology for Engineers" held at MVJCE on 7th September 2023.

2. Dr. Mrinalini Menon was an invited speaker at the 1-Day workshop on "Contemporary Research" (An IQAC Initiative) organized by Bishop Cottons Women's Christian College, Bengaluru on 31st August2023.

3. Dr. H. G. Nagendra was invited as a Chief Guest and Expert Speaker during 2-day workshop on "Artificial Intelligence in Biology" held on 28th and 29th December 2023, organised by Department of Biotechnology, G.M. Institute of Technology, Davanagere.

4. Dr. Jagadeesh Kumar D. was invited as resource person for a 5-Day National online FDP on "Teaching and Learning Methods in Arts and Science", held during 25th to 29th January 2024, organized by Council for Science and Development (CSD) and Dr. Rajalakshmi College of Arts and Science, Coimbatore, Tamilnadu.

5. Dr. Jagadeesh Kumar D. was invited as an expert speaker and panel discussion member at the India France workshop on "AI application in Understanding the Human Brain", from 19th to 21th February 2024, at Vijayawada, A.P., India.

6. Dr. Jagadeesh Kumar D. was invited as an expert speaker and a panel discussion member at the National Conference on "Emerging Trends in Biomedical Research- (SDMBioMedCon2024)", held at Shri Dharmasthala Manjunatheshwara (SDM) University, Dharwad on 23rd and 24th February 2024.

Department of Electrical & Electronics Engineering

7. Dr. R. Sivapriyan received a 'Domain Certificate in Psychology' from IIT-Madras for successfully completing 3 core and 4 elective courses in the Psychology domain conducted by NPTEL.

8. Dr. R. Sivapriyan received a certificate of appreciation from IIT-Madras, for being recognized as 'NPTEL Discipline Star' in Humanities and Social Sciences for successfully completing more than 50weeks of FDP conducted by NPTEL.

9. Dr. R. Sivapriyan received a certificate of appreciation from IIT-Madras, for being recognized as 'NPTEL Believer' for successfully completing 6 NPTEL courses during Jan-Apr 2023.

10. Dr. R. Sivapriyan delivered a talk on "Effective implementation of AICTE activity points" during IEEE-SIGHT EXECOM meeting held on 15th August 2023 at Golden Jubilee Hall, IISc, Bengaluru.

11. Dr. R. Sivapriyan, achieved the prestigious title of "R10 Ethics Champion" with an impressive scoreof 70% or higher in the IEEE R10 Ethics Super Power Challenge Assessment organized by IEEE.

12. Dr. R. Sivapriyan, an EXECOM member of IEEE SIGHT, has been appointed as the Secretary of IEEE SIGHT - Karnataka for the year 2024.

13. Dr. R. Sivapriyan was appointed as an Executive Committee member for the IEEE - Power and Energy Society, Bengaluru Section for the year 2024.

14. Dr. R. Sivapriyan received a certificate of appreciation from IIT-Madras for being recognized as an NPTEL MOTIVATED LEARNER, having completed more than 8 NPTEL courses during July 2021 to January 2023.

15. Dr. R. Sivapriyan was invited as a Session Chair at the 3rd IEEE International Conference on Innovation in Technology 2024, organized by the Department of CSE, ISE, CSE(AI&ML), CSE(DS) at SVIT, Bangalore, held from 4th to 6th March 2024.



Faculty Achievements & Recognition



Department of Computer Science Engineering

16. Dr. Savita Choudhary was invited as a Keynote speaker in the International Conference on "Artificial Intelligence and Machine Learning" on 9th August 2023 at R. L. Jalappa Institute of Technology, Bengaluru.

17. Dr. Suma Swamy was invited as a resource person for VTU ATAL AICTE IDEA Lab "Skill Development Programme" on 27th September 2023, organized by VTU PG Centre, Muddenahalli.

18. Dr. Savita Choudhary was invited as a session chair at "The IEEE International Conference on Innovation in Technology (INOCON)", held at Sai Vidya Institute of Technology, Bengaluru, on 4th March 2024.

Department of Electronics & Communication Engineering

19. Ms. Seema S. was the resource person for the 3-Day SDP on "Introduction to Python, Data and Control systems", organized by the department of MBA, Sir MVIT from 22nd to 24th February 2024.

20. Dr. Supriya V. G. and Ms. Vijayashri V. Belgaonkar were the resource persons for the Guest Lecture on "Artificial Intelligence and Machine Learning Applications", at Government Tools and Training Center (GTTC), Devanahalli, on 22nd Feb 2024.

21. Ms. Vijayashri V. Belgaonkar was invited as a resource person for 2-Day hands-on workshop on "Optical Wireless Communication System" at Cambridge Institute of Technology, North Campus, on 4th and 5th March 2024.

Department of Electronics & Telecommunication Engineering

22. Ms. Swetha B. M. won a quiz contest conducted as a part of the workshop on "VLSI to System Design – Silicon to End Application Approach" organized by AICTE Arm Education and STMicroelectronics on 28th September 2023. As a token of appreciation, she received STM development boards.

23. Dr. E. Kavitha participated as a panelist at the "ICC Karnataka Start-up Investor Summit-2024" held on 28th February 2024. She served as a judge for IDEATHON, organized by the Department of MCA, Sir MVIT on 27th February 2024.

24. Dr. E. Kavitha was invited as a resource person by the department of Electronics and Communication Engineering, Sambhram Institute of Technology, Bengaluru, on 25th January 2024 to deliver a guest lecture.

Department of Physics

25. Dr. Hariharan N. was invited as a jury to evaluate the "Final Year B.Sc. Physical Science Projects Exhibition cum Competition 2023" held at Maharani Lakshmi Ammanni College for Women (Autonomous) on 14th July 2023.

Department of MBA

26. Dr. Priyanka Sharma was invited by Reva University to deliver a guest lecture on "Management Education & Industrial Collaboration" on 30th June 2023. The venue was CK Prahalad Seminar Hall, Reva University.

27. Dr. Priyanka Sharma, HOD – MBA was invited as a chairperson for an International conference ERMA -2023 titled "Global Economic Turmoil: Transformation and BusinessRecovery Process" organized by Nitte Meenakshi Institute ofTechnology on 22nd December 2023.

Faculty Achievements & Recognition

Department of MCA

28. Dr. Ch. Vanipriya was the Session Chair at the 2nd International Conference on Engineering Innovation (ICEI-2023), organized by the Jain Institute of Technology, Davanagere, India in association with the Technical Institute for Engineers, on 2nd June 2023.

Ph.D.s Awarded

SI. No.	Name of the Faculty Member	Department	University
1.	Dr. Halima R.	BT	VTU
2.	Dr. Janardhana K.	ME	VTU
3.	Dr. Ishwar Chandra	BT	Reva
4.	Dr. Sampath Kumar L.	ME	VTU
5.	Dr. Madhu Kumar K.	ME	VTU
6.	Dr. M.Siddappaji	EEE	VTU
7.	Dr. Sasikumar N.	PHY	VTU
8.	Dr. Pradeepa S.	CV	VTU

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Student's Achievements & Recognition

Academic: VTU Ranks

Name	Dept.	Rank	Cash Prize In Rs.	Name	Dept.	Rank	Cash Prize In Rs.
Madakasira Chinmaya Vikas	CV	1	1,00,000	Gudikal Sai Vamsi	ECE	1	1,00,000
M. Smriti	EEE	2	75,000	Ganavi S.	ETE	2	75,000
Abhshek Kumar Choudhary	ISE	3	75,000	Asha G.	ETE	4	75,000
Shraddha V. Goudar	ECE	5	75,000	Sindhu T.	DDD	5	75,000
Isha Asthana	EEE	7	50,000	Vivek Kumar Singh	ETE	7	50,000
Gittika Agarwal	ISE	7	50,000	Thejashree M.	BT	8	50,000
K. S. Bhavishya	ECE	9	50,000	Mahalakshmi N.	BT	9	50,000
Ankit Kumar Sinha	ISE	9	50,000	Bhuvana R.	ETE	10	50,000
Bavith Bhargav D.	ISE	10	50,000				

Student's Achievements & Recognition



Technical

- Chetan Vinayaka and Rajeev of S4 ECE have actively participated and won 1st place in 'triEEEvia' event in IdEEas 2K23, a National level technical symposium organised by IEEE SIT Student branch Siddaganga Institute of Technology on 23rd June 2023.
- Syed Asgar Ahmed, student of S4 MCA, has been appointed as an Internshala Student Partner (ISP) at Internshala for the duration from 22nd June 2023 to 9th August 2023.
- Aakriti Shankar, Adeen, Bhoomika Y. K., Syeda Ayesha of S7 BT have won "Best Paper Presentation Award" for the paper entitled "Evaluation of Physico-Chemical Properties, Anti-Nutritional Compounds and ProximateComposition of Legume Extract from Mucuna pruriens var. Utilis (White)" at the 3rd International Scientific Conference on Environmental Research; Issues, Challenges and Strategies for Sustainable Development and Livelihood Security", held at Hotel Eden, Karwar,Karnataka, India, during 1st and 2nd December, 2023.
- Manoj Sudhir Kulkarni, J. Chetan Vinayaka and Mayank Tripathi, S5 ECE, secured 1st place in Technical Quiz, held during OXYIGNITE-2k23, at The Oxford College of Engineering on 22nd December 2023.
- Aditi A. Iyengar, Shriya Anand Bhambore from S8 BT and Ms. Bhavani V. and Navyashree M., students of Government Higher Primary School, Bettahalasuru, won the 2nd Consolation Prize for the topic "Applications – Corn Husk" at the State Level Anveshana Competition-2024, held at Shikshkara Sadana from 27th to 29th February 2024.
- The team Electrimo comprising of 20 students from S3 and S5 participated in the "AIMS E-KART National Level Championship", held in Coimbatore from 26th to 29th February 2024, under the guidance and mentorship of Dr. Mahesh K. The team received the following awards:
- **1. Best Innovation Award**
- 2. Best Lightweight Vehicle under EV
- 3. Best Built Quality Award
- 4. Best Safety Award
- 5. Best Social Media Influencer Award.
- 6. Award for "Special Endurance for Women" category.
- Adarsh Kumar Gupta of S8 (EEE), Mr. Anubhab Sarkar of S8 (ECE) and Mr. ShashwatKumar of S8 (ETE) won the first prize in QUIZ event in 23rd VTU youth fest- BLISSBEAT 2024, held on 28th March 2024 at SJCIT, Chikkaballapur.
- Vineeth V. Rao, Harshitha K. and Yukta S. were awarded 3rd place for the poster entitled "A Comprehensive Analysis of Ethanolic and Methanolic Extracts, Unraveling Enzyme Inhibitory Properties and Toxicological Insights," under the guidance of Dr. Mrinalini Menon at the National Conference on "Transforming Healthcare: Advances in Bioinformatics and Biological Sciences," conducted by Sathyabama Institute of Technology, Chennai, from 13th to 15th February 2024.
- Dhanush. R, Shrikanth, Smitha Patil and Srujana C. R. of S8 EEE won First prize in "State level student project exhibition Meraki -2024" organized by RR Institute of Technology, for the project work titled "Development of Battery Monitor System".



Student's Achievements & Recognition





BRINDAVAN 2024

Cultural

- Nikhitha J. of S4 ETE won 2nd prize in inter-college sketching competition 'Sapthrang-2023' organized by Atria Institute of Technology on 30th June 2023.
- Siddarth Kumar of S2 EEE won First prize in Live Art Competition held in presidency University cultural fest INWINCIA May 2024.
- Fashion team of Sir MVIT 1st prize in fashion show organized by Nitte Meenakshi Institute of Technology on 24th May 2024.
- Fashion team of Sir MVIT 1st prize in fashion show organized by Atria Institute of Technology on 27th May 2024.
- Nikhitha J. of S6 ETE won 1st place in pen palette competition organized by Atria Institute of Technology on 27th May 2024.
- Nikhitha J. of S6 ETE won 1st place in fabric painting competition organized by Atria Institute of Technology on 27th May 2024.
- Street play team of Sir MVIT won 2nd Place in Street Play Competition held at Atria Institute of technology during May 24th-26th 2024.
- Street play team of Sir MVIT won 2nd Place in Street Play Competition held at Anaadyanta 2024, Nitte Meenakshi Institute of Technology in May 2024.



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Student's Achievements & Recognition



Sports

- Aishwarya K. R. of S4 ECE, secured second place in Taekwondo (U-67) Inter Collegaite State Level Tournament held at SIT, Tumkur on 21st and 22nd August 2023.
- Vikas Vishwakarma of S4 ECE, secured 4th place in the Iwan tennis tournament held at VTU Belagavi, during 26th 29th August 2023. He is qualified for state level tournament.
- Gopika V. of S2 ISE won bronze medal in the VTU state level Taekwondo championship held at SIT, Tumkuru on 21st August 2023.
- The Taekwondo men's and women's teams achieved notable success in the VTU State Level Inter-Collegiate Taekwondo (M&W) Tournament held on August 21st and 22nd 2023, at SIT, Tumkur. They secured one Silver and three Bronze medals. The talented participants who contributed to this success were Shashank D. R. (S2, ETE), Gopika V. (S2, ISE) and Aashish Choudhary (S2, CS-IoT).
- In the VTU State Level Inter-Collegiate Chess Tournament, the men's chess team secured 7th place, while the Women's chess team achieved 4th place. The tournament took place on 7th, 8th, 12th & 13th August 2023, held at BGSCET in Bengaluru and SJMIT in Chitradurga. The participants in the Men's team were Ruchith (S2, EC) and Kota Madhu Latha (S4, EC). The Women's team included Kota Rishetha (S4, EEE) and the team was led by captain Ananya B.
- Badminton women's team won VTU Bengaluru Division Inter Collegiate (W) tournament held on 18th & 19th July 2023 at Brindavan College of Engineering, Bengaluru. Bhavik (S6, ISE) and Sindu R. (S2, BT) were the team members.
- Tennis men's team won 4th place in VTU Bengaluru Division Inter- Collegiate Tennis (M) tournament held on 26th & 27th August 2023 at VTU, Belagavi. Vikas Vishwakarma (S4, ECE), Aman Sharma (S2, ISE), Akrit Kumar (S2, CSE), Sheikh Kabir (S2, CSE), Shubhankar (S2, CSE) were the team members.
- The basketball team of Sir MVIT participated in the VTU Bengaluru North Division Basketball Tournament held at SVCE on 27th and 28th November 2023. They secured the 3rd place in this tournament.
- Surya K. of S4 ME has completed a 50Kms run and 250Kms cycling from Bengaluru to Coorg as a tribute to Martyrs on the occasion of 76th Independence day.
- Surya K. C. of S5 ME cycled approximately 350 kilometers from Bengaluru to the Officers Training Academy (OTA) in Chennai on 3rd January 2024 to pay tribute to Lt. Col. E. K. Niranjan for his supreme sacrifice. Lt. Col. E. K. Niranjan was an alumnus of Sir MVIT and an officer of the Indian Army's Corps of Engineers, who displayed exceptional courage and professionalism during the operation to neutralize terrorists, who had attacked the Pathankot airbase, but tragically lost his life in the line of duty.
- The Men's Cricket Team of Sir MVIT secured the 3rd prize in the Bengaluru North Division Intercollegiate Men's Cricket Tournament held from January 2nd to 8th, 2024. The event took place at Sir MVIT.
- The Volleyball team of Sir MVIT qualified to the semi-finals in the Volleyball Tournament held at Atria Institute of Technology on 12th and 13th January, 2024.
- The volleyball team secured 3rd place in the VTU Bengaluru Division Volleyball tournament-2024, on 8th and 9th February 2024, held at RLJIT.
- The Kabaddi Men's team secured 3rd place in the VTU Bengaluru Division Kabaddi tournament-2024 on 19th and 20th February 2024, held at BMSIT&M.



BRINDAVANA 2024

Institutional Events

- "Sambhrama", the College Day celebrations was scheduled on Saturday, the 24th June 2023. Sri Dinesh Gundu Rao, Hon'ble Minister for Health and Family Welfare, Govt. of Karnataka was the Chief Guest for the programme. Dr. A.C. Chandrashekar Raju, President, Sri KET presided over the function. The event was graced by the presence of several dignitaries from Sri KET, including Sri K.V. Sekhar Raju, Vice President; Sri K. Syama Raju, Secretary; Sri M. Venkataramana Raju, Treasurer; Sri L.K. Raju, Founder Trustee; Sri K. Muniswamy Raju, Founder Trustee; Sri V. Srinivasa Raju, Founder Trustee; Sri N.G. Raju, Trustee; and Sri V. Chandrashekhar, Trustee. Principal Prof. Rakesh S. G. presented the annual report for Academic Year 2022-23, highlighting the achievements and accomplishments of the faculty and staff members. Faculty members were recognized and rewarded for their outstanding contributions, including research paper publications, patents, and funded projects.
- Vikasa' Yoga Club of Sir MVIT organized a Yoga session for both staff and students on 21st June 2023in commemoration of International Yoga Day. Approximately 200 participants took part in the session. The session was conducted by Ms. Mamatha Gangadhar, a skilled Yoga Instructor from Sampadam Yogashala, Bengaluru.
- On 5th June 2023, Spandana Club in association with NSS-Sir MVIT, organized World Environment event to raise awareness about environmental conservation and Shri D. Balayya, Sr. DGM, Rites Ltd., Bengaluru was the guest speaker. The event in three sessions: a tree plantation drive, an interactive session with the environmentalist, and a clean-up drive. Approximately 600 students across all the branches participated in the event.
- An awareness session on Drug Abuse and Road Safety was conducted by NSS-Sir MVIT Chapter in collaboration with the authorities of Chikkajala Police Station on 26th June 2023. The event saw active participation from 80 students of S4 belonging to the BT and ISE departments. The session aimed to educate and sensitize the students on the critical issues of drug abuse and road safety.



Felicitations





BRINDAVANA 2024

Institutional Events

- Sir MVIT hosted an unforgettable event on 17th July 2023, featuring an exclusive Interactive Session with the renowned Padma Bhushan awardee, Shri Nambi Narayanan. The event at aimed to providing attendees with a unique opportunity to gain insights into the extraordinary journey and contributions of Shri Nambi Narayanan as a Former Aerospace Scientist at ISRO and his pivotal role as the Father of Indian Cryogenics.
- Well being centre of Sir MVIT organized "Art For Well-Being," event on 28th July 2023. 13 students from different branches of engineering participated in the event. As part of this event the participants were given a challenge to paint/draw their ideas on the topic "What Well-Being Means to Them". These paintings were uploaded to the global portal of Partnership for Maternal, Newborn & Child Health (PMNCH) and hosted by World Health Organization (WHO) for the international competition.
- The Management of Sir M. Visvesvaraya Institute of Technology hosted a special Thanksgiving Lunch on 22nd July 2023 for all the faculty and staff at Hotel Radisson Blu Atria, Bengaluru. Office-barers and trustees of Sri Krishnadevaraya Educational Trust joined the gathering and thanked the faculty and staff members for their unwavering dedication and commitment to the institution.
- Alumni Association of Sir MVIT organized the first ever Annual Global Alumni Meet Sammilana-2023, on 12th August 2023. A total of 918 alumni pre-registered for the event, with 753 opting for in-person attendance and 165 choosing virtual participation. Notably, 650 alumni graced the event physically, making it a grand reunion. For those participating online, the event was live-streamed on the institute's YouTube channel. The event was presided over by Dr. A. C. Chandrasekhar Raju, President, Sri KET. The event was graced by the presence of several dignitaries from Sri KET, including Sri K.V. Sekhar Raju, Vice President; Sri K. Syama Raju, Secretary; Sri K. Muniswamy Raju, Founder Trustee, Sri V. Srinivasa Raju, Founder Trustee; Sri N. G. Raju, Trustee. Dr. G. Jagadeesh, Professor, Department of Aerospace Engineering, IISc, was the Chief Guest. Dr. M. Dhanamjaya Raju, Vice Chancellor, Reva University was the Guest of Honor. A remarkable highlight of the event was the planting of nearly 600 saplings. These were planted by guests, invitees, and alumni at designated locations, as a symbol of their enduring bond with the institution. There were series of cultural programmes by alumni and students. There were many performances alumni and present students which included songs, dances, magic show and skit.







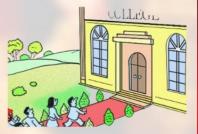




Institutional Events

- Sir MVIT celebrated the 77th Independence Day on 15th August 2023. Shri G. Prabhakar Raju, Trustee - Sri KET & Chairman - Academic Committee and Principal, Prof. Rakesh S. G. unfurled the National flag. The staff and students gathered to commemorate the anniversary of India's freedom, with parades, cultural performances, and speeches highlighting the significance of this historic day. Mr. Shashidar Hegde of S2 spoke on the importance of independence day. On this auspicious day, Mr. Shivarajan E.K., father of National Security Guards commando Lt. Col. Niranjan Kumar was felicitated. Lt. Col. Niranjan Kumar was an alumnus of Sir MVIT, who was one among the 7 martyrs in the Pathankot attack of 2017.
- "Aarambh 2023", the inaugural ceremony of the first-year BE (Bachelor of Engineering) classes for the2023 admission batch was held on 22nd September 2023. This event was a grand celebration of both academic achievements and cultural diversity. The Chief Guest of the ceremony was Dr. Shalini Rajaneesh, IAS, Additional Chief Secretary and Development Commissioner, Government of Karnataka. The event was presided over by Sri K.V. Sekhar Raju, Vice President, Sri KET. Many other dignitaries from Sri KET graced the occasion, including, Sri K. Syama Raju, Secretary, Sri V. Srinivasa Raju, Founder Trustee and Sri N. G. Raju, Trustee. 30 VTU (Visvesvaraya Technological University) rank holders from 2022 and 2023 graduating batches were felicitated with gold medals and cash prizes, a testament to their hard work and dedication in the field of engineering.5 students who achieved the first rank were awarded a cash prize of ₹1,00,000 each. 11 students who secured ranks from 2nd to 5th were presented a cash prize of ₹75,000 each. Similarly, fourteen students who secured ranks between 6th and 10th received a cash prize of ₹50,000 each. Furthermore, students who consistently achieved distinction in all the semesters were also presented with cash prizes.
- The institute celebrated the Teachers' Day on 5th of September 2023 to commemorate the birth anniversary of the former Indian President, Late Dr. S. Radhakrishnan. The occasion was marked by a series of delightful events and activities that brought together the entire college community in a spirit of gratitude and camaraderie. In the forenoon session, from 11 AM to 1 PM, a series of fun games were organized for all the faculty members and staff at the indoor games complex which were coordinated by student volunteers. Many HoDs, faculty members and staff including the Principal actively took part in these fun games.









Institutional Events

- On 6th September 2023, the Institute celebrated Sri Krishna Janmashtami with great enthusiasm. The celebrations began with the pooja which was witnessed by faculty members, staff and students. After the pooja, prasadam was distributed to all attendees. Students added a lively touch to the festivities by performing the traditional dance 'Kolaata'. In addition to these activities, in the post lunch session, the celebration featured thrilling potbreaking and tug of war competitions that encouraged many students to participate. This event not only paid homage to Lord Krishna but also nurtured cultural appreciation and a sense of togetherness, making it a memorable day for all involved.
- The institute organized 10-Day "Student Induction Programme (SIP) Phase-I" for the newly admitted first-year B.E. students as per AICTE-VTU requirement from 11th to 22nd September 2023. The programme aimed to familiarize students with their academic environment, follow healthy routines, inculcate universal human values. Over 400 students from S1 participated in this 10day programme benefitting from a variety of activities and expert lectures. The schedule included visits to historical/heritage places, awareness sessions, motivational speeches, technical club activities, cultural programs, well-being counselling and technical talks. This comprehensive induction programme is aimed at supporting students' personal and academic growth, ensuring a smooth transition into college life.
- On the auspicious occasion of Ayudha Pooja, the Institute witnessed a vibrant and memorable celebration on 20th October 2023. Faculty members, staff and students enthusiastically participated in the event by singing bhajans, keerthans and reciting shlokas. After the pooja, prasadam was distributed to all attendees. The celebration was unique as it was for the first time organized at the institutional level where representative items like instruments, computers, laboratory tools and books from all the departments were kept together and pooja was performed. This initiative not only highlighted the importance of each department's contributions but also symbolized the unity of knowledge and tools in the pursuit of academic excellence. The event brought together the entire institute community together fostering a sense of unity and spiritual enthusiasm.
- The 50th Kannada Rajyotsava was celebrated at institute on 1st November 2023. The festivities commenced with the flag hoisting ceremony, followed by the rendition of the state anthem. The Principal, staff and students paid homage to the portrait of Goddess Bhuvaneshwari. This was followed by Karnataka's special folk performances such as Dollu Kunitha and Veeragase. As part of the celebrations, a cultural program was presented by the students of Hongirana, the Kannada club.On this occasion the campus was beautifully decorated with red & yellow colors. The Kannada Rajyotsava at the institute was not only a commemoration of Karnataka's glorious history but also a testament to the cultural diversity that make the state truly unique.











Institutional Events

- The annual intra-college talent hunt fest, VERVE 2023, was conducted on 4th November 2023, showcasing the skills and creativity of students under the aegis of Susamskriti, the Cultural Forum. The event comprised a lineup of 22 competitions spanning diverse domains like music, dance, theatre, fine arts and literary pursuits. This celebratory day was also marked as Ethnic Day, adding cultural depth and vibrancy to the festivities. The event witnessed an impressive turnout, with around 400 enthusiastic students displaying their diverse talents across a multitude of competitions. Each competition served as a platform for these individuals to display their skills, adding an electrifying atmosphere to the campus. All these competitions were judged by faculty and staff members with relevant expertise. The winners of the competitions were presented with cash awards. Student volunteers of Susamskriti exhibited impressive dedication in the overall coordination of the events
- Sir MVIT celebrated Children's Day on November 18, 2023, with the enthusiastic participation of approximately 25 children of the Institute's employees. These children took part in various activities during the celebrations, showcasing their talents through singing, dancing, mono acting, skits, fancy dress and musical performances. Additionally, a captivating magic show was organized, thoroughly enjoyed by all the attending children. As a token of appreciation, the Principal presented gift hampers to all the children who actively participated in the event, adding to the joyous occasion.
- Karthika Deepotsava was celebrated at Sir MVIT on November 22, 2023, transforming the entire college campus into a glow with the radiance of around 12,000 diyas. The preparations for the event began in the afternoon, where many enthusiastic students and staff members were actively involved in setting up the lamps and decorating the floors with attractive rangolis. The event commenced with an auspicious pooja at the Sri Vidya Ganapathi temple, and the festivities unfolded with the ceremonial illumination of lamps throughout the campus. A standout moment of the celebration was the students' exquisite creation—an awe-inspiring depiction of Sir M. Visvesvaraya's portrait outlined with radiant lamps. The campus glowed with captivating radiance, embodying the spirit of unity and festivity.
- Kalanjali' Annual Inter-Collegiate Cultural Festival, of Sir MVIT, was held at Sir M. Visvesvaraya Institute of Technology campus, showcasing a vibrant array of cultural performances from more than 450 participants from 45 colleges across Karnataka. The festival took place on 15th and 16thDecember 2023. Distinguished guests like play back singer Ms. B. R. Chaya, renowned cine actress Ms. Pooja Gandhi and celebrity singer Ms. Samanvita Sharma, graced the occasion. 37 different cultural competitions were organised during this event. Each event witnessed an enthusiastic participation, with students displaying remarkable energy and high spirits throughout. Presidency University, Bengaluru won the overall championship.











BRINDAVANA 2024

Institutional Events

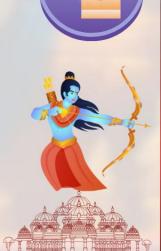
- A team of delegates from Auburn University, USA visited the institution on 26th January 2024 and interacted with the Management representatives, Principal and Senior Professors of the institute for possible collaboration between the two institutions with regard to research, student and faculty exchange programs, joint funding and transfer of technical knowhow.
- To extend the gratitude towards supporting staff of Sir MVIT, the institute had organized "The Joy of Giving" event on 5th January 2024. The event was coordinated by Spandana-the social outreach club. A total of Rs. 94,550 was collected through generous contributions from faculty members, staff and students. The event was graced by esteemed office bearers from Sri KET, President, Dr. A.C. Chandrashekhar Raju, Vice-President, Sri K.V. Sekhar Raju, Secretary, Sri K. Syama Raju and Academic Committee Chairman, Sri G. Prabhakar Raju. The event started at 12.30 PM. Principal, Prof. Rakesh S. G., highlighted the invaluable contributions of these staff in the smooth functioning of ground operations at Sir MVIT. Gifts were presented to all 123 supporting staff members hailing from housekeeping, boys and girls hostel mess and security services. Wardens of Boys and Girls hostel Mr. Elaiyaraja P. and Dr. V. Shantha proactively offered delicious lunch and supported the event for smooth execution. Spandana volunteers played a pivotal role in the success of the event. The event was witnessed by heads of all the departments, faculty members, staff and students. Dr. S.K. Uma, Chair -Kalakaustubha, Prof. K. V. R. Prasad - Co-chair, Kalakaustubha were also present. Dr. Rashmi K.V., faculty mentor-Spandana compered the event and was overall in-charge of the entire event.
- Sir MVIT celebrated Makara Sankranti on 19th January 2024. The preparations began two days prior to the event, with students making all necessary arrangements and decorating the entire quadrangle in the admin block, creating a vibrant festive atmosphere with colorful rangoli and kites. Arrangements for cooking pongal were made with a wood stove and decorated pots. Pongal was cooked by faculty members and distributed to all attendees. A bullock cart was brought in to create the village festival ambiance of the celebrations. Students and faculty members performed folk songs and dances and enjoyed rides on the bullock cart. Pongal prasadam and ellu bella were distributed to all the participants.
- The Ayodhya Ram Mandir Prana Pratishtha event was celebrated at Sir MVIT on 22nd January 2024, in the quadrangle of the admin block. The celebration commenced with a pooja at the Sri Vidya Ganapathi Temple on the campus. Students and faculty members performed bhajans, devotional songs and Bharathanatyam dance, describing the virtues of Lord Sri Rama. A live telecast of the Prana Pratishtha ceremony of Sri Bala Rama at the Ayodhya temple was arranged in the CSE seminar hall, providing an opportunity for all devotees to witness the event live. Prasadam was distributed to all participants.











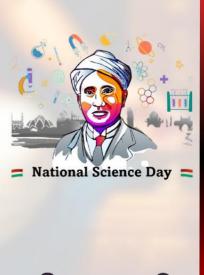




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Institutional Events

- Sir MVIT celebrated the 75th Republic Day on 26th January 2024. The program commenced with a Parade and March Past by students of Sir MVIT, led by Shashidhar of S7, EEE branch, followed by the unfurling of the National flag by Principal Prof. Rakesh S. G., and the National Anthem. Ms. Sneha S., S5, BT, delivered the Republic Day speech. A cultural program by students was organized from 10:30AM to 11:45AM in the CSE Seminar hall. Students from Sunaada-the music club of Sir MVIT, sang patriotic songs. Skits on patriotic themes were performed in Kannada and Hindi, by the students of Hongirana, the Kannada club and Rangataranga, the theatre club of Sir MVIT.
- "Prarambh 2023", the inaugural ceremony marking the commencement of the first-year Post Graduation classes for the 2023 admission batch, took place on 26th February 2024. Dr. Nandakishore Rathi, CEO and Chief Career Navigator of Loratis SetMyCareer.Net Pvt. Ltd., graced the occasion as the Chief Guest.
- The National Science Day was celebrated on 28th February 2024, to commemorate the "Discovery of Raman Effect" under the aegis of "Avishkara-the Science Forum" in association with "Spandana-the Social Outrearch Club" of Sir MVIT. The chief guest for the occasion was Sri C. D. Prasad, Former Scientist of ISRO. High school students from Sai Vidya Mandir, Bettahalsur were invited for the occasion. 80 students along with two teachers attended the event. The chief guest addressed the gathering on "The Methods used for Launching Rockets". He also interacted with the school students and answered their queries related to Rocket Science. A video of launching the rocket was shown to students. Innovative projects done by UG and PG students were exhibited to school students. They were taken for lab visits to BT and ECE departments. Quiz contest was held for school students were presented with stationary items as return gifts.
- As a token of appreciation of the hard work and commitment of all the faculty and staff members towards securing 'A' grade in the recent NAAC accreditation, our Management, Sri Krishnadevaraya Educational Trust hosted a "Thanks Giving Lunch" on 24th February 2024 at the college campus





Institutional Events

- VTU Digital valuation centre at Sir MVIT was inaugurated on 9th February 2024 by Principal, Prof. Rakesh S.G. Heads of UG & PG departments, Coordinators of valuation centre, Academic Coordinators were present in the inaugural pooja. The centre has successfully completed one cycle of digital valuation and contributed to the release of VTU semester end examination results.
- Women's Day was celebrated on Monday, the 11th of March 2024. Dr. C. Kamali, Chief Scientist and Group Head, Flight Mechanics and Control Division, NAL, was the Chief Guest and Ms. Backya Juliana, Delivery Partner, Express Bees, was the Guest of Honour. Welcome address was delivered by the Chairperson of ICC, Dr. S. K. Uma, Professor and Head, Dept. Mathematics. Prof. Rakesh S. G., Principal of Sir MVIT, presented the opening remarks, speaking about the importance of Women's Day celebrations. He also emphasized the significant role played by women in one's life. The chief guest shared her professional experience and the challenges she faced in her career to reach this height as a woman scientist. Ms. Juliana shared her experiences and challenges faced in her profession. She also urged for support for women and advocated for educating children to respect women. Faculty women achievers and girl student achievers were recognized for their accomplishments in various areas, including research and publications, patents, funded projects, sports, technical and co-curricular activities, as well as for their longest service to the institution. They were honored during the event. Several competitions, such as rangoli and singing, were held for both staff and students and prizes were awarded to the winners of these events.
- The 10-Day Students Induction Program (SIP) Phase-II for the first year B.E. students from 10 branches was conducted at main auditorium from 6th March to 19th March 2024. Phase-II of the Students Induction Program served as a continuation of the orientation process initiated in Phase-I. It aimed to further familiarize students with the academic environment, campus resources and other policies. The sessions consisted of activities and events in line with the AICTE and VTU directives. More than 600 students benefited from this 10-Day program. The following were the highlights of the program:
- 1. Academic related talk was conducted to create awareness among students.
- 2. Sessions covering common medical emergencies, oral and general cancer and organ donation were arranged to increase awareness among students about health-related issues.
- 3.A blood donation camp was organized to encourage student participation in altruistic activities.
- 4. Motivational speech was delivered to inspire and motivate students.
- 5. A well-being counseling program was arranged to support the mental health and well-being of students.













Institutional Events

- Governing Body meeting of the Institution was held on 22nd of March 2024. According to regulations, the Governing Body of Sir MVIT comprises representatives from AICTE, the state, educationists, VTU, management, faculty, and the Member Secretary-Principal. This was the 50th governing body meeting. During the meeting, highlights of the events conducted, as well as students' and faculty members achievements from the past year, were presented by Principal, Prof. Rakesh S.G. Suggestions provided by the members are currently being put into action.
- The inauguration of the new library block on the campus took place on Thursday, the 28th March, 2024. As part of the event, a pooja ceremony was organized on March 27th and 28th, 2024. The inaugural event was attended by the esteemed office bearers from Sri KET, President, Dr. A.C. Chandrashekhar Raju, Vice-President, Sri K.V. Sekhar Raju, Secretary, Sri K. Syama Raju and Academic Committee Chairman, Sri G. Prabhakar Raju and other trustees of Sri KET. Principal of Sir MVIT, Prof. Rakesh S.G., Principal of KCDS, Sri Ponnanna, faculty and staff members of Sir MVIT, KCDS, and SMVSA also took part in the inaugural event.
- The Graduation cum Farewell Day for the BE 2020-2024 batch was celebrated on April 19, 2024, on a mega scale. Hon. Justice N.S. Sanjay Gowda of the High Court of Karnataka was the Chief Guest, and Dr. Sudhir Kamath, Director of the Defence Industry Academia Raman Centre of Excellence at the Indian Institute of Science, was the Guest of Honor. The event was presided over by Dr. A.C. Chandrashekhar Raju, President of Sri KET. Distinguished office bearers from Sri KET, including Vice-President Sri K.V. Sekhar Raju, Secretary Sri K. Syama Raju, founder trustees Sri K. Narayana Raju and Sri V. Srinivasa Raju, and trustee Sri N.G. Raju, honored the occasion with their presence. Graduation certificates were awarded to top performers from various engineering branches, and appreciation awards were given to students who excelled in coordinating extra-curricular and co-curricular activities at the institutional level.
- Sir MVIT celebrated Sri Rama Navami on 17th April 2024. The entire college united once again to celebrate the victory of good over evil. On this auspicious occasion, a special pooja was performed for the Swayambhu Deities on campus. The pooja commenced with Nagara Sankeerthanam from the Vidya Ganapathi temple premises, proceeding through the campus to the venue. Then, ashtotharam and maha mangalaarthi were offered to Lord Sita Lakshmana Hanuma Sametha Sree Rama in the presence of the Principal. Faculty members recited Rama keeerthans and mangalaasasanam. The entire route was decorated by student volunteers with saffron festoons to enhance the significance of the event. Prasadam was distributed to all the attendees.



Technical Events Organized

EVENTS	NUMBERS			
Student Development Programs	75			
Faculty Development Programs	06			
Industrial/Field Visits	39			
Guest Lectures	50			
Outreach Programs	16			



Looking ahead, let's strive for excellence and embrace new opportunities with enthusiasm and determination.

Prof. Rakesh S.G.



God Surya, the Hindu deity of the sun, symbolizes energy and light. In engineering fields, particularly electrical and renewable energy, Surya's attributes parallel the focus on harnessing solar power for sustainable solutions. Additionally, Surya's role as a source of illumination mirrors the importance of optics and lighting design in various engineering applications.





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Academic Excellence

UNIVERSITY RANK HOLDERS 2023





MADAKASIRA CHINMAYA VIKAS - BE (CV) IMV19CV017 (13 Medals)



GUDIKAL SAI VAMSI - BE (ECE) 1MV19EC041



M. SMRITI - BE (EEE) 1MV19EE049



BRINDAVANA 2024

GANAVI S. - BE (ETE) 1MV19ET015



ABHISHEK KUMAR CHOUDHARY- BE (ISE) 1MV19IS001



ASHA G. - BE (ETE) 1MV19ET004



SHRADDHA V GOUDAR - BE (ECE) 1MV19EC105



SINDHU T. - BE (EEE) 1MV19EE089



ISHA ASTHANA - BE (EEE) 1MV19EE041



VIVEK KUMAR SINGH - BE (ETE) 1MV19ET046



GITTIKA AGARWAL - BE (ISE) 1MV19IS022



THEJASHREE M. - BE (BT) 1MV19BT027



K S BHAVISHYA - BE (ECE) 1MV19EC050



MAHALAKSHMI N.- BE (BT) 1MV19BT013



ongratulations



ANKIT KUMAR SINHA- BE (ISE) USN: 1MV19IS004



BHUVANA R. - BE (ETE) 1MV19ET007

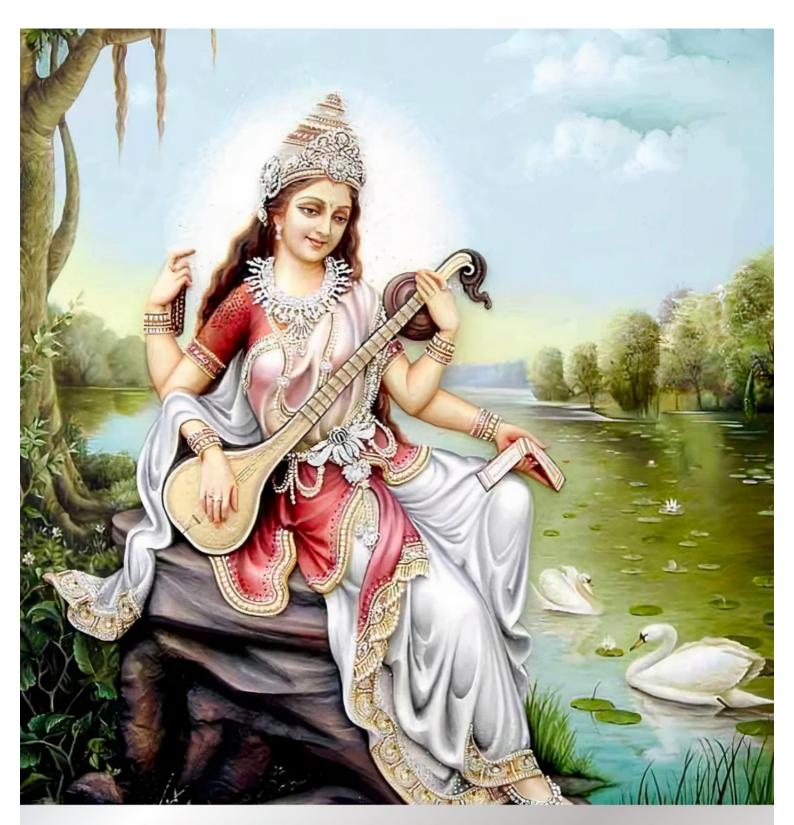


BAVITH BHARGAV D- BE (ISE) 1MV19IS0..0

UNIVERSITY RANK HOLDER



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Goddess Saraswati, the deity of knowledge, wisdom, and arts, embodies the essence of intellectual pursuits and learning. In engineering, her attributes parallel the importance of theoretical understanding, creativity, and innovation required across all disciplines. Saraswati's association with learning underscores the foundational knowledge and continuous education vital for engineering advancements.



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Articles





TECH TRANSFORMERS: THE AI ML ADVANTAGE

Dr. Soumya Patil

Artificial intelligence applications continue to accelerate, permeate every facet of human lives, from healthcare to transportation, finance to entertainment. AI holds the promise of revolutionizing industries, optimizing processes, and solving complex challenges that were once deemed insurmountable. With the power to analyze vast amounts of data at unprecedented speeds. The future of AI is not just important; it's transformative. Ethical considerations, such as bias mitigation and data privacy, must be at the forefront of AI development to ensure a future where AI serves humanity's best interests. The future of AI is not just about technological progress but also about shaping a society where AI enhances human capabilities, fosters inclusivity, and creates a more equitable world.

The advancement of Artificial Intelligence and Machine Learning (AIML) in the future is poised to be transformative across various domains. One key aspect of this advancement lies in the evolution of AI algorithms and models. Researchers are continually pushing the boundaries of AI capabilities, developing more efficient algorithms, and models capable of handling increasingly complex tasks. This includes advancements in deep learning architectures, reinforcement learning techniques, and probabilistic models, among others. Moreover, the integration of AI into everyday devices and systems will become more seamless and ubiquitous. AI is being embedded into a wide range of applications, from autonomous vehicles and smart homes to personalized healthcare devices and virtual assistants. This integration will lead to more intelligent and adaptive technologies that enhance productivity, convenience, and quality of life.

Assoc. Professor & Head Department of AI & ML

AI will play a pivotal role in addressing global challenges, such as climate change, healthcare disparities, and food security. AI-driven solutions will enable more accurate prediction and mitigation of natural disasters, personalized medical treatments tailored to individual patients, and optimization of agricultural processes to ensure sustainable food production. Ethical considerations will also become increasingly important as AI becomes more pervasive. There will be a greater emphasis on developing AI systems that are transparent, fair, and accountable, with mechanisms in place to mitigate biases and ensure privacy and security.

The future advancement of AIML holds the promise of revolutionizing industries, solving complex problems, and enhancing human capabilities. As these advancements continue to unfold, it's essential to approach AI development with a focus on responsible innovation and ethical considerations to ensure that the benefits are realized equitably and sustainably.

The importance of Artificial Intelligence and Machine Learning (AIML) departments for engineering students is essential in the future. As AI continues to reshape industries and redefine the way we interact with technology, engineering students equipped with AIML knowledge will be at the forefront of innovation. These departments provide students with the skills and expertise needed to tackle complex realworld problems, from developing self-driving cars to enhancing healthcare diagnostics. By studying AIML, students gain a deep understanding of algorithms, data analysis, and predictive modelling, empowering them to create ground-breaking solutions that drive progress and competitiveness in various fields. Moreover, as the demand for AI professionals continues to soar, graduates from AIML departments are well-positioned to embark on rewarding careers with ample opportunities for growth and impact. Thus, AIML departments play a pivotal role in shaping the future of engineering by nurturing the next generation of AI pioneers and problem solvers.

THE PURPOSE OF AI IS TO BRING REAL, TANGIBLE BENEFITS TO THE WORLD, ADVANCING SOCIETY IN AN EQUITABLE WAY.





Biotechnology [bī-ō-tek-nā-lə-jē]

A science-driven industry sector that uses living organisms and their derivatives to produce products and processes.

BRINDAVANA 2024

FROM LAB TO LIFE: THE BIOTECH ENGINEERING REVOLUTION

Dr. H. G. Nagendra

Professor & Head Department of Biotechnology

The Department of Biotechnology Engineering (BT) was established in the year 2002, with a vision to create a unique breed of skillful bioengineers, who can contribute to the development of novel technologies and consumer products for the domains related to Food and Agriculture, Health Care and Pharma, Biomedical, Nutraceuticals and Cosmeceuticals, Green and clean environment, Bio-IT, etc.

Towards this, the department has envisioned to cater to the needs of the sector by imparting quality education to the pool of passionate students, via an enabling ecosystem for skill building, knowledge acquisition, exploratory research and innovation activities, which is essential to create the required talent who can facilitate the sustainable growth and perpetual development in the emerging areas of BT.

Research surveys highlight that the global market demand for BT sector is steadily increasing at the rate of 12%, and is expected to touch USD 3.8 trillion in 2030, from the present USD 1.7 trillion. Similarly, the Indian Biotechnology Market which was valued at USD 101.5 Billion in 2023, is expected to reach USD 297.2 Billion by 2030, at a CAGR of 11%.

India has witnessed a surge in research and development investments in the biotechnology sector. Both public and private entities are allocating substantial funds to advance the biotech research and innovation segment. Additionally, collaborations between Indian biotech firms and international counterparts have intensified, leading to knowledge exchange, technology transfer, and joint ventures.

The department has thus strived to provide an ambience for its students, graduates and faculty, to actively contribute their best to this ever-green challenging sector and make a mark for themselves in the global platforms.

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BIOTECHNOLOGY HAS THE POTENTIAL TO BRING OUR BIGGEST DREAMS TO LIFE. BUT THE RISKS MUST ALSO BE CONSIDERED.

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BUILDING BRILLIANCE: THE ART OF CIVIL ENGINEERING



Dr. Ravi Kumar H.

Assoc. Professor & Head Department of CIVIL

The Civil Engineering Department, established in 1986, began with an intake of forty students and now welcomes sixty students each year. In 2021, we achieved the prestigious recognition as a VTU Research Centre for MSc (Engg.) and PhD degrees. As we celebrate our 37th year, our department proudly combines the expertise of seasoned professionals with the innovative spirit of young faculty members, the Department has been accredited by the National Board of Accreditation, for 3 years until June 30, 2026.

We are renowned for fostering excellent student-faculty interactions and maintaining an active student forum. Our team consists of eleven dedicated teaching faculty and five supportive non-teaching staff. The department is equipped with state-of-the-art laboratory facilities that support academic pursuits, research, and consultancy services. We actively organize guest lectures, workshops, field visits, and conferences to enhance knowledge in key research areas.

Our students regularly secure internships in various industries and benefit from grants under Karnataka State Science and Technology's Student Projects Programme. Civil engineering, a versatile field, plays a crucial role in everyday life—from the homes we live in to the roads and bridges we use. As the population grows, the demand for civil engineers to create sustainable infrastructure will only increase, making this field an evergreen career choice.

The global push towards advanced infrastructure owes much to the engineering sector's innovative contributions. Civil engineering stands as a cornerstone of this progress, responsible for the design and construction of remarkable structures such as buildings, dams, and bridges. The students have opportunities in both private and public sectors. This discipline not only offers a wealth of job opportunities but also promises a bright future for aspiring engineers.

According to Grand View Research (GVR) Inc., the civil engineering market is projected to reach a size of 12.08 trillion US dollars by 2025, highlighting the expansive opportunities for future civil engineers. We are excited to continue our journey of excellence and contribute to building a better world through civil engineering

A GOOD SCIENTIST IS A PERSON WITH ORIGINAL IDEAS. A GOOD ENGINEER IS A PERSON WHO MAKES A DESIGN THAT WORKS WITH AS FEW ORIGINAL IDEAS AS POSSIBLE.







CODING CONQUERORS: PIONEERING THE PATH IN CSE

Dr. T. N. Anitha

Professor & Head Department of CSE

GREETINGS FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SIR MVIT.

It has been universally accredited that the flagship branch of engineering, computer science discipline is dedicated for ensuring great careers for its students. The Department is committed to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to the societal needs and nation building. This tends to forge deeper industry associations than ever before, creating a researchculture from day one and ensuring unified education using the best technology available anywhere.



We are focused not only to deliver technical education to our students but also the leadership proficiencies through which they can lead to economic development to others. The intellectual ambiance in the Department of CSE is conducive for the holistic development of the students. The excellent infrastructure, experienced and scholarly team of faculty members are dedicated to strengthen effective teaching learning process there by ensuring quality education.

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The department places emphasis on reinforcing the laboratory infrastructure by adopting novel industryrelevant technologies to empower students to learn and stimulate integrated learning to take up industryrelevant projects.

Innovative teaching and learning methods are used to achieve learning abilities through practice, exposure, and motivation. Our goal is to foster critical thinking and analytical skills in ensuring that graduates are employable, entrepreneurs, and ethical members of Society.

CODING IS TODAY'S LANGUAGE OF CREATIVITY.

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INFORMATION TECHNOLOGY: DRIVING ENGINEERING ADVANCEMENTS

Dr. G. C. Bhanu Prakash

Professor & Head Department of ISE

BRINDAVANA 2024

Information science and Engineering branch form the backbone of modern engineering education and practice, enabling engineers to address complex challenges, drive innovation, and contribute to societal advancement.

Engineering relies heavily on data-driven decision-making. Information science and technology enable the collection, processing, and analysis of vast amounts of data, allowing engineers to make informed choices in design and problem-solving.

Information science facilitates access to cutting-edge research and technological advancements, fostering innovation within engineering disciplines. It allows engineers to stay updated with the latest developments and incorporate them into their work.

Advanced software and tools powered by information science enable engineers to simulate and model complex systems, processes, and structures. This capability is crucial for testing hypotheses, predicting outcomes, and optimizing designs before implementation.

The principles and technologies of Information Science are applicable across various disciplines, including biology, environmental science, social sciences, and more. This interdisciplinary nature allows for advancements in multiple fields simultaneously.

Information technology tools automate repetitive tasks, streamline workflows, and improve efficiency in engineering processes. From CAD software for design to project management systems for coordination, these technologies optimize resource utilization and reduce time-to-market.

From smart healthcare systems to intelligent transportation and personalized education, Information Science and Engineering contribute to improving the quality of life by creating systems that are more efficient, accessible, and user-friendly.

To conclude, Information Science and Engineering play a crucial role in advancing technology, fostering economic growth, and enhancing society by equipping individuals with the knowledge and tools to effectively utilize and maximize the potential of information.

IT REVOLUTIONIZING THE BLUEPRINT OF TOMORROW

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TRUST IN CONNECTIVITY: BLOCKCHAIN SOLUTIONS FOR IOT SECURITY

Dr. Savita Choudhary

Assoc. Professor & Head Department of IOT

IMPORTANCE OF IOT & CYBER SECURITY WITH BLOCKCHAIN TECHNOLOGY:

It provides enhanced security, improved trust, efficient device management, data privacy and control and scalability and operability. Integrating IoT and cybersecurity with blockchain technology is essential for building secure, efficient, and trustworthy systems. This integration addresses the vulnerabilities of IoT devices and networks while leveraging the strengths of blockchain to provide enhanced security, transparency, and efficiency across various applications.

OPPORTUNITIES IN IOT & CYBER SECURITY WITH BLOCK CHAIN TECHNOLOGY:

The opportunities are secure iot networks, decentralised data marketplaces, healthcare data management, smart grid management , energy management and trading. The convergence of IoT, cybersecurity, and blockchain technology offers transformative opportunities across various sectors. By leveraging the strengths of each technology, organizations can create innovative solutions that enhance security, efficiency, and trust. This integration will drive new business models, improve operational processes, and deliver greater value to consumers and stakeholders.

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ADVANCEMENTS IN IOT & CYBER SECURITY WITH BLOCK CHAIN TECHNOLOGY:

The advancements are decentralised iot networks, secure firmware updates, automated compliance and auditing, enhanced supply chain management, data monetization. The convergence of IoT, cybersecurity, and blockchain technology is driving significant advancements that enhance security, efficiency, and transparency across various applications. These technologies complement each other, providing robust solutions to address the growing complexity and security challenges of the digital world. As these advancements continue to evolve, they will unlock new possibilities and drive innovation across industries.

* * * -

THE INTERNET OF THINGS HAS THE POTENTIAL TO CHANGE THE WORLD, JUST AS THE INTERNET DID, MAYBE EVEN MORE SO.



POWERING THE FUTURE: THE ROLE OF ELECTRICAL ENGINEERS

Dr. H. L. Suresh

Professor & Head Department of EEE

BRINDAVANA 2024

The Electrical and Electronics Engineering (EEE) Department is a cornerstone of technological education and innovation, playing a pivotal role in shaping the engineers of tomorrow. This department stands at the forefront of modern engineering, integrating fundamental principles with cutting-edge technology to address the evolving needs of society.

Importance of Electrical and Electronics Engineering:

Electrical and Electronics Engineering is vital to the development and maintenance of the infrastructure that supports contemporary society. From power generation, transmission, and distribution to the design and implementation of electronic devices, the EEE department covers a broad spectrum of critical areas. Engineers in this field are responsible for ensuring the reliability and efficiency of power systems, which are essential for the functioning of homes, industries, and the economy at large.

Opportunities for Students:

Students in the EEE department are presented with a plethora of opportunities. The curriculum is designed to provide a strong foundation in both theoretical and practical aspects of electrical and electronics engineering. Students have access to state-of-the-art laboratories, where they can engage in hands-on learning and research. Internships and industry collaborations offer practical experience, preparing students for successful careers in various sectors, including power generation, telecommunications, consumer electronics, and automation

Advancements in the Field:

The field of Electrical and Electronics Engineering is constantly evolving, driven by rapid advancements in technology. Innovations in renewable energy sources, smart grid technology, and energy storage solutions are transforming how we produce and consume energy.

Trending Technologies:

Moreover, the rise of the Internet of Things (IoT), artificial intelligence (AI), and machine learning is opening new frontiers in electronics and automation. EEE students are equipped with the knowledge and skills to contribute to these emerging technologies, ensuring they remain at the cutting edge of engineering solutions.

Conclusion:

The Electrical and Electronics Engineering Department is dedicated to excellence in education, research, and innovation. By nurturing skilled engineers who are ready to tackle contemporary challenges, the department significantly contributes to technological progress and societal well-being. Students graduating from this program are wellprepared to embark on diverse and fulfilling careers, driving advancements that shape the future. Through its comprehensive educational programs, research initiatives, and industry partnerships, the EEE department remains committed to empowering students and fostering a culture of continuous improvement and innovation.

NO RESISTANCE CAN DROP OUR POTENTIAL

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ELECTRONICS EDGE: CRAFTING THE FUTURE OF TECH

Dr. Sasmita Mohapatra

Professor & Head Department of Electronics & Communication

Electronics and Communication Engineering Programme impart comprehensive knowledge of design and testing of electronic circuits and communication devices through theory and hands on sessions by exposing under graduates into various fields like Integrated circuits, wireless and Digital Communication, optical communication, Signal processing and Microwave circuits, wireless networks and Embedded systems. Alongside core courses, elective options are available, enabling students to explore specific areas of interest within the discipline and cultivate specialised expertise. Overall, this programme prepares undergraduates for postgraduate research studies and Industry in versatile fields of Electronics and communication domain.

From smartphones to satellites, from robotics to renewable energy systems, ECE engineers are the master minds behind the seamless flow of information and innovation.

The scope of Electronics and Communication Engineering (ECE) extends across various fields, offering diverse career opportunities for professionals with expertise in this domain with different job roles like:

- Communication Engineer: Focus on designing and maintaining communication systems like satellite systems, wireless networks, and telecommunications systems.
- Electronics Engineer: Design, develop, test, and oversee the manufacturing of electronic systems and components used in various devices such as smartphones, computers, medical equipment, and more.

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SCIENCE CAN AMUSE AND FASCINATE US ALL, BUT IT IS ENGINEERING THAT CHANGES THE WORLD.

- Embedded Systems Engineer: Design and develop embedded systems that power various electronic devices and appliances, including robotics, IoT devices, automotive systems, and more.
- RF Engineer: Work with radio frequency systems, designing and optimizing wireless communication systems, antennas and RF circuits.
- Control Systems Engineer: Work on designing and implementing control systems used in various applications such as industrial automation, robotics, and aerospace.
- Signal Processing Engineer: Analyse and manipulate signals, such as audio, video, and image signals, using various techniques to extract information or enhance quality.
- Network Engineer: Design, implement, and manage computer networks for organizations, ensuring efficient data communication and connectivity.
- IT Consultant: Provide technical expertise to businesses in setting up and maintaining their IT infrastructure, including communication systems.
- Project Manager: Manage projects related to electronics and communication systems, ensuring timely completion and effective resource allocation.

Some of the Top Firms with High Demand for B.E in Electronics and Communication Engineering Graduates in India are: Infosys, TCS, Wipro, Texas Instruments, Philips Electronics, Motorola, Samsung, ISRO, BHEL, DMRC, Siemens, Intel, nVIDIA, Conexant and Flextronics, DRDO, Accenture, HCL Technologies, Tech Mahindra, Robert Bosch, Juniper Networks, Thales, Qualcomm, Untangle, Advansis Consulting, Schlumberger, Accolite Digital, Telstra, L&T, etc

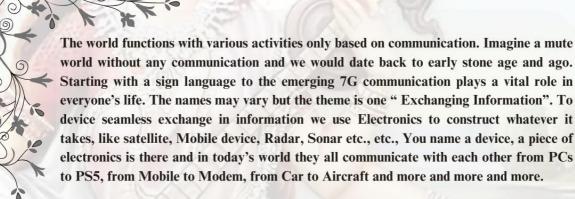


ENGINEERING HORIZONS: EXPLORING ELECTRONICS AND TELECOMMUNICATION

Dr. E. Kavitha

Professor & Head Department of ETE

BRINDAVANA 2024



This is the reason why Electronics and Telecommunication tops the engineering streams. The opportunities are wide and varied and the Engineers are versatile to fit themselves into Hardware or software Jobs. From the point they seek employment to becoming an Entrepreneur, the ETE engineers rule the world. This field of engineering can be combined with any other branch of engineering and emerge new such as Mechanical + Electronics = Mechatronics, Medical + electronics = Biomedical, Computer + Electronics = System Support, Civil + Electronics = IOT based constructions etc., etc., the permutations and combinations paved path to successful Innovations and Creations. This is an evergreen field of engineering, welcoming every individual to emerge as a successful engineer and Technocrat. We at Sir MVIT, nurture the engineer in every student and make them evolve to their best.

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TELECOMMUNICATION: NETWORKING THE FUTURE WITH EVERY SIGNAL.

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MBA IMPACT: CRAFTING DYNAMIC LEADERS



Dr. Priyanka Sharma



Assoc. Professor & Head Department of MBA

The MBA department at Sir MVIT was established in the year 2001 and it offers a two years post graduate program (MBA) in Marketing, Finance, Human resource and dual business analytics specializations. As one of the premier institutions, it has consistently strived to meet global standards, blending traditional knowledge with contemporary managerial practices. The aim of the department is to develop individuals holistically to acquire the essential managerial and technical skills that equip the students to handle the challenging responsibilities in the dynamic corporate world.

MBA program is not just an educational endeavour, it is a transformative experience designed to equip our students with the knowledge, skills, and values necessary to excel in the competitive world of business and management. The importance of an MBA degree lies in its ability to provide a holistic and specialized education that enhances business acumen, career opportunities and personal growth. Whether one aims for career advancement, entrepreneurship, or personal development, pursuing an MBA can be a transformative journey that opens doors to a world of possibilities.

The MBA program at Sir MVIT opens doors to a wide range of career opportunities, including executive-level positions, consulting roles, entrepreneurship, and international business ventures. The vicinity of the Institute with the commercial hub of India is an added advantage. It has strengthened the affiliation of Sir MVIT with the corporate magnates, illustrious alumni and a large number of eminent expert speakers. This exposure with the industry experts helps the students to understand the management practices and to hone their skills to match the industry expectations. With a commitment to excellence and a focus on holistic development. Additionally, it provides a competitive edge in a crowded job market.

AN MBA: WHERE THEORY MEETS



INNOVATION IGNITED: THE MECHANICAL ENGINEERING EXPERIENCE



Dr. K. S. Shanmukharadhya



Professor & Head Department of Mechanical

The Department of Mechanical Engineering was established in 1986. The Department has been recognized as R & D Centre by Visvesvaraya Technological University, Belagavi, for carrying out research activities leading to M. Sc.(Engg.) and Ph.D. Degrees. The department offers UG program B.E. in Mechanical Engineering. The department possesses state-of-the-art facilities to support students learning as well as to carryout research activities, classrooms with LCD projectors, air conditioned seminar hall, department library, project lab, machines shop, workshops, foundry and forging lab, material testing lab, mechanical measurements lab, computer aided engineering drawing lab.

The department provides essential skillsets trainings required for mechanical engineering students in association with Government Tool Room and Training Centre (GTTC), CADMAXX, HAL under MOUs. The professional societies include the American Society of Mechanical Engineers (ASME) - Students Section of Sir MVIT and ISTE, New Delhi..

The department has got various research grants from funding agencies such as AICTE, New Delhi; VGST, Government of Karnataka; VTU Belagavi, Aeronautical Development Agency (ADA), Bengaluru. Students' projects are regularly funded by KSCST - SPP, Government of Karnataka. The department has established Siemens Advanced Analysis Laboratory (NX CAD/CAM/CIE Software) under MODROB, AICTE, New Delhi.



IN THE WORLD OF MECHANICAL ENGINEERING, INNOVATION DRIVES PROGRESS.

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The students of the department have achieved University Ranks. The team INFERNOs car project by students had won 3000 US dollars in Shell Eco Marathon (SEM) 2020 at Kaulalampur, Malaysia. The team **FUTURAMIC** had participated in "Shell Eco Marathon Asia 2018 - SEM 2018, an International Event Organized by Shell, at Singapore, during March 2018. The team INFERNO and FUTURAMIC had participated and secured XI and XV place in gasoline prototype category during "Shell Eco Marathon Asia 2017- SEM 2017, an International Event Organized by SHELL, at Singapore, held on 3-6, March 2017. The Students' project Gannet - The amphibious drone has got a research grant of Rs. 10 Lakhs from DST, Government of India, during 2018, won Rs. 3.5 Lakhs at IIM Bengaluru, during 2018, won Rs. 2 Lakhs at Aero Show India 2019 at Bengaluru with all India First Prize and won Rs 5 Lakhs Innovation award from DRDO in 2019.

Our department has a distinguished record in both teaching and research. Faculty members have excellent academic credentials and are highly regarded. They have publications at national and international levels and also have patents. Several faculty members serve on the Editorial boards of national and international journals, review technical articles for journals on a regular basis and organize conferences and workshops.



DIGITAL HORIZONS: MAPPING THE MCA JOURNEY

Dr. Vanipriya Ch.

Professor & Head Department of MCA

BRINDAVANA 2024

The Master of Computer Applications (MCA) is a highly valued postgraduate degree that equips students with in-depth technical knowledge and practical skills across various facets of computer science, such as software development, database management, networking, and emerging technologies like artificial intelligence and data analytics. This comprehensive education prepares graduates for diverse and lucrative career opportunities in the IT industry, including roles like software developers, systems analysts, and IT consultants. The curriculum, often aligned with industry needs, ensures postgraduates possess relevant, up-to-date skills, fostering professional growth and higher earning potential. Additionally, the MCA degree is recognized globally, enhancing job mobility and opening international opportunities. It also lays the groundwork for entrepreneurial endeavors and further academic pursuits, such as a PhD. By instilling a mindset of continuous learning and adaptability, the MCA ensures graduates are well-prepared to navigate and lead in the ever-evolving tech landscape.



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MCA: MASTERING TECHNOLOGY FOR A DYNAMIC FUTURE.



FROM THEORY TO PRACTICE: PHYSICS IN ENGINEERING



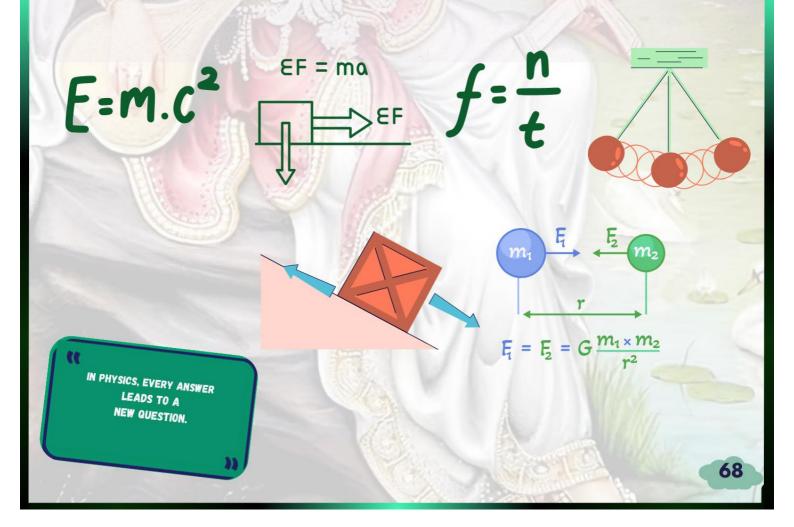
Dr. Hariharan Nalatore

Assoc. Professor & Head Department of Physics

The Department of Physics was established in the year 1986. The basic aim of the Department is to impart education to the budding engineers, in pursuit of academic excellence and better understanding of the concepts of Physics, both in theory and practical at UG level. This will enable them to apply these concepts for tomorrow's technological advancement.

The department offers two courses namely Engineering Physics theory and Engineering Physics Laboratory for all the first year undergraduate students. The department has a team of well qualified faculty members involving themselves in the welfare of the first year students. They have a very good teacher-student interaction which ensures good academic performance of the students in the first year. The faculty members of the department are involved in research in the active areas of Physics.

The department has two well-equipped lab to offer practical training as per the academic requirements of VTU. The department is recognized as an R&D center under VTU Belagavi.





CHEMICAL CANVAS: PAINTING THE FUTURE OF ENGINEERING

Dr. Prashanth G. K.

Assoc. Professor & Head Department of Chemistry

BRINDAVANA 2024

Chemistry plays a foundational role in various engineering fields, significantly contributing to advancements in materials science, environmental sustainability, energy solutions, biomedical technologies, and more.

Materials Science and Engineering: Chemistry is essential for developing advanced materials with specific properties for engineering. Composites, nanomaterials, and polymers have transformed aerospace, automotive, and construction industries by creating materials that withstand extreme temperatures, resist corrosion, and enhance performance and safety.

Mechanical Engineering: Mechanical engineering relies on chemistry in materials science, thermodynamics, and lubrication. Understanding the chemical properties of metals, polymers, and ceramics ensures optimal material selection for performance and longevity. Knowledge of chemical reactions and heat transfer is crucial for designing engines, refrigeration, and HVAC systems.

Biomedical Engineering: In biomedical engineering, chemistry is vital for developing medical devices, diagnostics, and treatments. Polymer chemistry and biomolecular interactions help design biocompatible materials for implants and prosthetics. Chemistry also ensures effective and safe drug development and delivery, leading to advances in tissue engineering and regenerative medicine.

Computer Science: Chemistry impacts computer science through advancements in hardware and data storage. Semiconductor technology, crucial for modern electronics, relies on materials chemistry. Chemical processing advances enable the miniaturization of transistors and integrated circuits. Liquid crystals enhance display technologies, and organic memory devices provide flexible, biodegradable alternatives to silicon-based memory.

Electronics Engineering: In electronics engineering, chemistry is essential for developing semiconductor materials and processes that enable the miniaturization and performance of integrated circuits and transistors.

Civil Engineering: In civil engineering, chemistry enhances the development and durability of construction materials like concrete, steel, and polymers, and aids in soil stabilization, corrosion protection, and waterproofing.

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Energy Solutions: Chemistry is essential for developing sustainable energy solutions. It drives advancements in alternative energy sources like solar, wind, and biofuels. Chemical innovations improve photovoltaic cells for solar energy and lithium-ion batteries, helping reduce fossil fuel dependency and mitigate climate change.

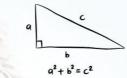
Environmental Engineering: Environmental engineering uses chemistry to address pollution and waste management. Chemical principles enable the treatment of industrial effluents, water purification, and reduction of air pollutants.

CHEMISTRY IS LIKE COOKING (JUST DON'T LICK THE SPOON).

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In summary, chemistry's significance in engineering spans numerous disciplines, providing essential tools and understanding necessary for material development, environmental sustainability, energy solutions, biomedical advancements, and technological innovations.







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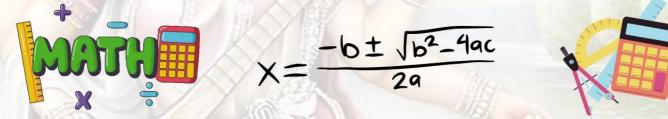
MATHEMATICS: THE BACKBONE OF MODERN ENGINEERING

Dr. S. Sreelakshmi

Professor & Head Department of Mathematics

Mathematics is considered as the mother of all sciences because it is a tool which solves problems of every other science. German mathematician Carl Friedrich Gauss called mathematics the "queen of the sciences" because it was so successful at uncovering the nature of physical reality.

In all transactions which relate to worldly, Vedic or other similar religious affairs calculation is of use. In the science of love, in the science of wealth, in music and in drama, in the art of cooking, in medicine, in architecture, in prosody, in poetics and poetry, in logic and grammar and such other things, and in relation to all that constitutes the peculiar value of the arts, the science of calculation is held in high esteem.



In relation to the movements of the sun and other heavenly bodies, in connection with eclipses and conjunctions of planets in all these mathematics is utilised. The number, the diameter and the perimeter of islands, oceans and mountains; the extensive dimensions of the rows of habitations and halls belonging to the inhabitants of the world, of the interspace between the worlds, of the world of light, of the world of the gods and of the dwellers in hell, and other miscellaneous measurements of all sorts-all these are made out by the help of mathematics. The configuration of living beings therein, the length of their lives, their eight attributes, and other similar things; their progress and other such things, their staying together, etc.-all these are dependent upon mathematics.

Today, mathematics is used throughout the world as an essential tool in many fields, including natural science, engineering, medicine, and the social sciences. Applied mathematics, the branch of mathematics concerned with application of mathematical knowledge to other fields, inspires and makes use of new mathematical discoveries and sometimes leads to the development of entirely new disciplines.

Mathematics plays a crucial role in engineering, serving as the foundation upon which engineers build and apply their knowledge to solve real-world problems. Engineers often deal with complex problems that require logical thinking and analytical skills. Mathematics provides engineers with the tools to model real-world problems, analyze them, and come up with solutions.

hyp tt MATHEMATICS OPP Ð THE QUEEN adj OF THE SCIENCES $sin(\theta)$ 11

LEADING THE WAY TO SUCCESS: TRAINING AND PLACEMENT AT SIR MVIT

Prof. S. H. Khan

Director Training & Placement

BRINDAVANA 2024

Training and placement cell of SIR MVIT is headed by a very senior officer in the rank of Director : T&P, who is also an ex defence official from INDIAN AIRFORCE. The T&P Cell is very effectively engaged in grooming/shaping the career of students by inviting top to top companies to college and by preparing/grooming students through needed soft skills, holistic development of their personality, inculcation of professional ethics and thus bridging the gap between academic learning and company expectations. This is done by Director: T&P through 7 phased training module formulated and inculcated by director himself. The placement scenario of the college is extremely good. Even during worst corona crisis and lock down situation we could manage to place 71% students by convincing the companies to conduct the drive in virtual mode. The placement scenario for the year 21-22, 22-23 and current ongoing process of 23-24 is given below:

PLACEMENT SCENARIO: 2021-22 batch

- 1.Number of companies visited:47
- 2. Number of offers issued: 622
- 3. Number of students holding 01 offer: 488
- 4. Number of students holding multiple offers: 134

5. Average placement across the branches: 89%6. High package companies which conducted campus for the above batch:

JUS PAY-----21 Lakh p.a. PEGA SYSTEM----- 16 Lakh p.a. TARGET CORPORATION---- 13 Lakh p.a. AMADEUS LABS- 12 Lakh p.a. MICROFOCUS----- 11 Lakh p.a. VM WARE------- 11 Lakh p.a. TALLY SOLUTION- 10 Lakh p.a. Freight DECK Technology--08 Lakh p.a. ARYAKA------8.5 Lakh p.a. 314 E Corporation---8.10 Lakh p.a.

11

IT'S NOT WHAT YOU ACHIEVE, IT'S WHAT YOU OVERCOME. THAT'S WHAT DEFINES YOUR CAREER.

1

PLACEMENT SCENARIO :2022-23 BATCH:

1.Number of companies conducted campus drive : 30
2.Maximum number of Eligible students who attended placement : 520
3.Number of offers issued so far; 520
4.Single offer : 401
5.Multiple offer: 119
6.Average placement % : 77%
7.Highest package companies above 11 lakhs p.a. which visited :

Kick drum: 1486000/- p.a. Target inc: 1284000/- p.a. Amadeus lab: 1177164/- p.a. Lam research: 1135971/-p.a. Tally solution: 1130000/- p.a. Pega system: 1105965/- p.a.

% []







BRINDAVANA 2024

The campus drive in respect of following companies covering not placed students of all the branches are still on hold, though the registration process had already been completed based on the JD received from these companies: Panacea medical Technologies, No broker.com, Micrologic integrated system, All cargo logistics, mob veil technologies , win man technologies, Data care systems, square yards, itron inc.

Most memorable achievements :

1.03 Mechanical students got placed in Lam Research Company with salary of 1135971 /-Eleven lakhs thirty five thousand nine hundred seventy one per annum. This indeed is an amazing record created by Training and placement cell by bringing Mechanical Engineers on par with IT branches in terms of quality and compensation package of the company.

1.NOKIA selected 20 students from computer and Electronic streams with salary of 08 lakhs twenty thousand per annum.

2. Companies which covered all the branches and number picked up:

COGNIZANT----88, ACCENTURE---69, TCS---52, L&T INFOTECH: 54 3. 11 civil Engineering students recruited by NAGARJUNA Constructions.

2023-24:----- IN PROGRESS----- Despite current acute recession in the job market, we could manage to invite 37 companies till date with package as high as 16 lakhs per annum by kick drum technologies followed by 13, 84000/- by Target corporation and 11, 77000/- by Amadeus labs. Till date 171 students have received offers across the branches. The bulk recruiter IT majors like TCS, INFOSYS, and WIPRO, COGNIZANT etc have not yet started their regular campus recruitment across the country. It may hopefully start in JUNE-2024. Apart from IT Majors many more core and IT companies for all the branches may also complete their campus drive in MAY /JUNE subject to improvement in the current job market scenario. The registration/application process for TCS drive is in progress. Likewise other IT majors may also start their drive soon.

THE ONLY WAY TO DO GREAT WORK IS TO LOVE WHAT YOU DO.

15





Nikhita J 1MV21ET022



Poola Sathwika 1MV21CS069



BRINDAVANA 2024

Ragini Sinha 1MV23AI042



Rachit Bala 1MV23EE078



Sourabh 1MV23IC405



Srinjay Kar 1MV22EC110



Ruchitha C V 1MV21CV009



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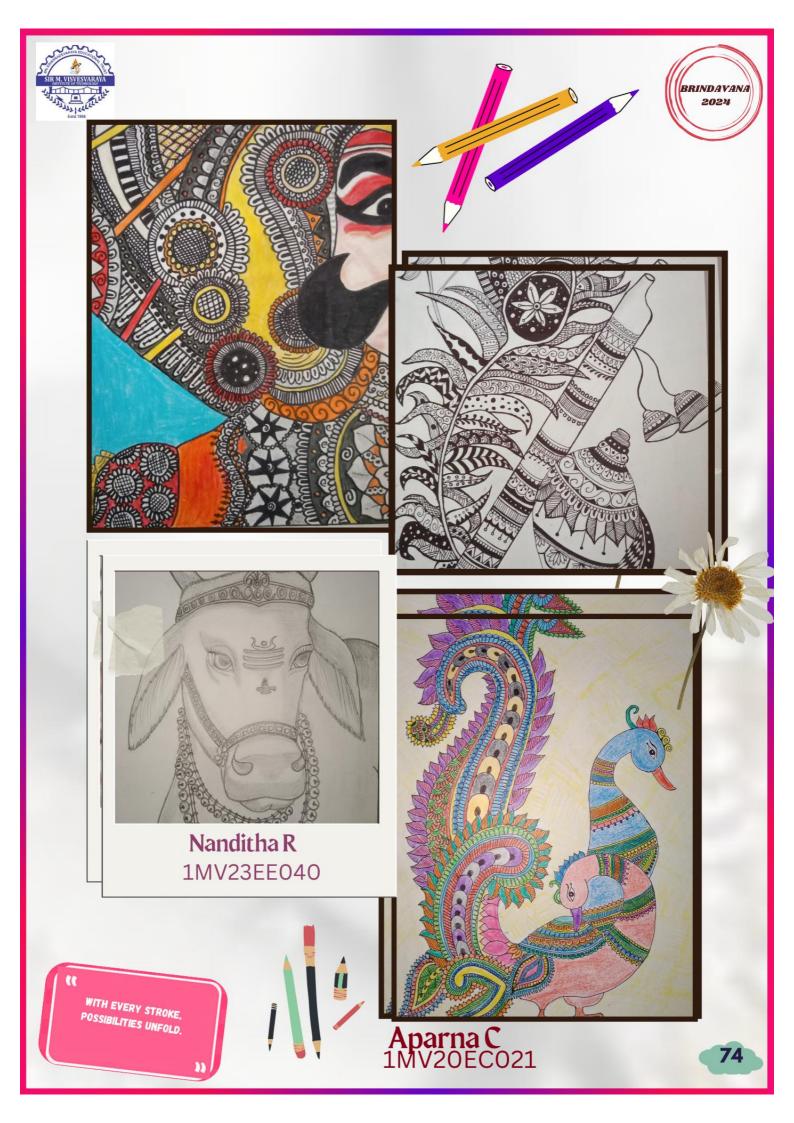


Monisha M 1MV23CS405



Neha Praveen 1MV21CS061

73







75



ಚಂದ್ರಶೇಖರ್ ಬಿ.

ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಯಾಂತ್ರಿಕ ವಿಭಾಗ.

- ಹನಿ ಗವನ -ಶೀರ್ಷಿಕೆ: ಕತ್ತರಿ ... ರೀ ನಾನು ಕತ್ತರಿ... ವಿನಾಕಾರಣ ಬಳಸದಿರಿ ಬಳಸುವಾಗ ಜೋಪಾನ ರಿ ಬಳಸಿ ಬಳಸಿ ನಾ ಸವೇದೆ ರಿ ಬಳಸದಿರೇ ನಾ ಸತ್ತೆ ರಿ ಆಗಾಗ ಸಾಣೆ ಹಿಡಿಯಿರಿ.. ನಾ ತುಂಬಾ ಶಣ್ಯಾಕೆಯಿದಿನಿ ರಿ..

Engineering ಕಾಲೇಜಿನ ಬೇರೆ ಬೇರೆ ವಿಭಾಗಗಳ ಬಣ್ಣ ಮತು ಸುಣ್ಣ : ಗಾದೆಗಳು ಮುಖಾಂತರ ನೋಡೋ ಪ್ರಯತ್ನ...(ಕೇವಲ ತಮಾಷೆಗಾಗಿ ಮಾತ್ರ) 1. Mechanical Branch: ಕೈ ಕೆಸರಾದರೆ ಬಾಯಿ ಮೊಸರು. 2. E&C branch: IC ಗೆ ಹೋದ ಮಾನ ICU ಗೆ ಹೋದ್ರು ಬರಲ್ಲ . 3. ET branch: ಪಾಪಿ ಟವರ್ ಮೇಲ್ ಕೂತ್ರೂ ಛೀಟುದದ network 4. EEE branch: ಅಜ್ಜಿಗೆ circuit ನ ಚಿಂತೆ, ಮೂಮ್ಮ ಗಳಿಗೆ short circuit ನ ಚಿಂತೆ. 5. Civil branch: Building ಗಿಂತ Buildup ಜಾಸ್ತಿ 6. CS branch: Virus ಗೊಂದು ಕಾಲ, Antivirus ಗೊಂದು ಕಾಲ 7. IS branch: CSE ನವರು ಚಾಪೆಕೆಳಗೆ ತೂರಿದ್ರೆ , ISE ನವರು ರಂಗೋಲಿ ಕೆಳಗೆ ತೂರ್ತ್ತಾರೆ 8. BT branch: ಚಿಳ್ಳಗಿರೋದೆಲ್ಲಾ BT ಯಲ್ಲ 9. AIML branch: ಆರು ಹಡೆದೊಳ ಮುಂದೆ, ಮೂರ ಹಡೆದೊಳ ಹೋಗಿ ಕೋಡಿಂಗ್ ಅಂದ್ರೆ ಹಾಂಗಿರುತ್ತೆ ಹಿಂಗಿರುತ್ತೆ ಅಂದಳು (ಆರು ಹಡೆದೊಳು = CSE, ಮೂರು ಹಡೆದೊಳು = AIML) 10. IOT branch: Sensors ಏರಿಗೆಳೆದರೆ, Actuators ನೀರಿಗೆಳೆಯಿತು 11. MBA & MCA branches : MCA ಗೆ ಹಠವಿರಬಾರದು, MBA ಗೆ ಚಟವಿರಬಾರದು.

THE MOMENT YOU DOUBT WHETHER YOU CAN FLY, YOU CEASE FOREVER TO BE ABLE TO DO IT.





-ಸುಪರ್ಣ್ ನಾಯಕ್

1MV23CS161

ಜೀವನದಲ್ಲಿ ಬಿದ್ದಾಗ ಮುದ್ದು ಮಾಡಿದವಳು ಅಮ್ಮ.. ಜೀವನದಲ್ಲಿ ಸೋಲೇ ಗೆಲುವಿಗೆ ಮೆಟ್ಟಿಲು ಎಂದು ತಿಳಿಸಿದವನು ಅಪ್ಪ.. ಎಲ್ಲೋ ಏನೋ ಅಮ್ಮನಿಗೆ ತೋರುವ ಪ್ರೀತಿ ಅಪ್ಪನಿಗೆ ಇಲ್ಲವಾಯಿತೇ.. ಎಲ್ಲೋ ಏನೋ ಅಪ್ಪ ಒಂದು ಹೆಜ್ಜೆ ಹಿಂದೆ ಉಳಿದು ಬಿಟ್ಟನೇ....

ಮುಂದಾಲೋಚನೆಯೊಂದಿಗೆ ಕುಟುಂಬದ ಭಾರವನ್ನು ಹೊತ್ತುಕೊಂಡವನು ಅವನು... ತನ್ನ ಆಸೆಗಳಿಗೆ ಮಿತಿ ಹಾಕಿಕೊಂಡು ಕೇಳಿದೆಲ್ಲವನ್ನು ತಂದುಕೊಟ್ಟವನು ಅವನು... ಆದರೆ ಎಲ್ಲೋ ಏನೋ ಅಮ್ಮನಿಗೆ ತೋರುವ ಪ್ರೀತಿ ಅಪ್ಪನಿಗೆ ಇಲ್ಲವಾಯಿತೇ.. ಎಲ್ಲೋ ಏನೋ ಅಪ್ಪ ಒಂದು ಹೆಜ್ಜೆ ಹಿಂದೆ ಉಳಿದು ಬಿಟ್ಟನೇ....

ಅಪ

ತನ್ನ ಸ್ವಾರ್ಥಕೆಂದು ಶ್ರಮಿಸಿದವನು ಅವನಲ್ಲ.. ಹಗಲು ರಾತ್ರಿ ಎನ್ನದೆ ಶ್ರಮಪಟ್ಟದ್ದು ತನಗಲ್ಲ... ಆದರೆ ಎಲ್ಲೋ ಏನೋ ಅಮ್ಮನಿಗೆ ತೋರುವ ಪ್ರೀತಿ ಅಪ್ಪನಿಗೆ ಇಲ್ಲವಾಯಿತೇ.. ಎಲ್ಲೋ ಏನೋ ಅಪ್ಪ ಒಂದು ಹೆಜ್ಜೆ ಹಿಂದೆ ಉಳಿದು ಬಿಟ್ಟನೇ....

ಆಹಾ ಎಷ್ಟು ಚಂದವಯ್ಯ ಈ ಬಾಳು...!!

-ಸುಪರ್ಣ್ ನಾಯಕ್

1MV23CS161

ಹಣದ ಸಂಪತಿದ್ದರೇನು, ಬಂಗಲೆಗಳಿದ್ದರೇನು.. ತೃಪ್ತ ಮನೋಭಾವವಿಲ್ಲದಿದ್ದರೆ, ಎಷ್ಟಿದ್ದರೇನು ಫಲವಯ್ಯ...

ನಿರ್ಗತಿಕರಿಗೆ ನೆರವಾಗು ನೀನು... ಕಷ್ಟದಲ್ಲಿದವರಿಗೆ ಸಹಾಯಹಸ್ತವಾಗು ನೀನು.. ಹಸಿದವರ ತಟ್ಟೆಯ ಅನ್ನವಾಗು ನೀನು... ಅಂಧನ ದೃಷ್ಟಿಯಾಗು ನೀನು... ಮಗುವಿನ ನಗುವಾಗಿ ನೋಡು ನೀನು... ಮುದುಕನ ಊರುಗೋಲಾಗಿ ನೋಡು ನೀನು...

ಆಹಾ ಎಷ್ಟು ಚಂದವಯ್ಯ ಈ ಬಾಳು...!!

OPTIMISM IS THE FAITH THAT LEADS TO ACHIEVEMENT. NOTHING CAN BE DONE WITH HOPE AND CONFIDENCE.



<u>ದೈನಂದಿನ ಮಾನವ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ಸಾವಯವ</u> <u>ರಸಾಯನಶಾಸ್ತ್ರದ ಮೂಲಭೂತ ಪಾತ್ರ</u>

ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ವಿಭಾಗ ರಸಾಯನಶಾಸ್ತ್ರವು ವಸ್ತು, ಅದರ ಗುಣಲಕ್ಷಣಗಳು, ಮುಖ್ಯಸ್ತರು, ರಸಾಯನ ಶಾಸ್ತ್ರ ವಿಭಾಗ

ಡಾ. ಪ್ರಶಾಂತ್ ಜಿ. ಕೆ

ಸಂಯೋಜನೆ ಮತ್ತು ಅದು ಹೇಗೆ ಬದಲಾಗುತ್ತದೆ ಎಂಬುದನ್ನು ಅಧ್ಯಯನ ಮಾಡುವ ವಿಜ್ಞಾನವಾಗಿದೆ. ರಸಾಯನಶಾಸ್ತ್ರವು ಗಾಳಿಯಿಂದ ನಾವು ಉಸಿರಾಡುವ ನಾವು ತಿನ್ನುವ <mark>ಆಹಾರದವರೆಗೆ ನಮ್ಮ ಸುತ್ತಲಿನ ಎಲ್ಲವನ್ನೂ</mark> ರೂಪಿಸುವ ಸಣ್ಣ ಕಣಗಳನ್ನು ಅರ್ಥಮಾಡಿಕೊಳ್ಳುವುದು ಆಗಿರುತ್ತದೆ. ರಸಾಯನಶಾಸ್ತ್ರದಲ್ಲಿ, ಪರಮಾಣುಗಳು ಮತ್ತು ಅಣುಗಳು ಹೇಗೆ ಸಂವಹನ ನಡೆಸುತ್ತವೆ ಮತ್ತು ಹೊಸ ಪದಾರ್ಥಗಳನ್ನು ರೂಪಿಸಲು ಸಂಯೋಜಿಸುತ್ತವೆ ಎಂಬುದನ್ನು ವಿಜ್ಞಾನಿಗಳು ಅನ್ವೇಷಿಸುತ್ತಾರೆ. ರಸಾಯನಶಾಸ್ತ್ರದ ವಿವಿಧ ಶಾಖೆಗಳಿವೆ, ಪ್ರತಿಯೊಂದೂ ವಸ್ತುವಿನ ನಿರ್ದಿಷ್ಟ ಅಂಶಗಳು ಮತ್ತು ಅದರ ರೂಪಾಂತರಗಳ ಮೇಲೆ ಕೇಂದ್ರೀಕರಿಸುತ್ತದೆ. ಉದಾಹರಣೆಗೆ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಕಾರ್ಬನ್-ಒಳಗೊಂಡಿರುವ ಸಂಯುಕ್ತಗಳ ಅಧ್ಯಯನವನ್ನು ಪರಿಶೀಲಿಸುತ್ತದೆ, ಇದು ಜೀವನ ಮತ್ತು ಅನೇಕ ಕೈಗಾರಿಕಾ ಪ್ರಕ್ರಿಯೆಗಳಿಗೆ ಮೂಲಭೂತವಾಗಿದೆ. ಅಜೈವಿಕ ರಸಾಯನಶಾಸ್ತ್ರ ಮತ್ತೊಂದೆಡೆ ಲೋಹಗಳು ಮತ್ತು ಖನಿಜಗಳಂತಹ ಇಂಗಾಲವನ್ನು ಹೊಂದಿರದ ವ್ಯವಹರಿಸುತ್ತದೆ. ಪದಾರ್ಥಗಳೊಂದಿಗೆ ವಿಶ್ಲೇಷಣಾತ್ಮಕ ಮಾದರಿಗಳಲ್ಲಿನ ಪದಾರ್ಥಗಳನ್ನು ರಸಾಯನಶಾಸ್ತ್ರವು

ಗುರುತಿಸಲು ಮತ್ತು ಪ್ರಮಾಣೀಕರಿಸುವ ತಂತ್ರಗಳ ಮೇಲೆ ಕೇಂದ್ರೀಕರಿಸುತ್ತದೆ. ಭೌತಿಕ ರಸಾಯನಶಾಸ್ತ್ರವು ಥರ್ಮೋಡೈನಾಮಿಕ್ಸ್ ಮತ್ತು ಕ್ವಾಂಟಮ್ ಮೆಕ್ಯಾನಿಕ್ಸ್ ನಂತಹ ರಾಸಾಯನಿಕ ಪ್ರಕ್ರಿಯೆಗಳಿಗೆ ಆಧಾರವಾಗಿರುವ ತತ್ವಗಳನ್ನು ಪರಿಶೋಧಿಸುತ್ತದೆ. ಜೀವರಸಾಯನಶಾಸ್ತ್ರವು ಜೀವಂತ ಜೀವಿಗಳಲ್ಲಿ ಸಂಭವಿಸುವ ರಾಸಾಯನಿಕ ಪ್ರಕ್ರಿಯೆಗಳನ್ನು ತನಿಖೆ ಮಾಡುತ್ತದೆ. ರಸಾಯನಶಾಸ್ತ್ರದ ಪ್ರತಿಯೊಂದು ಶಾಖೆಯು ಪ್ರಪಂಚದ ಬಗ್ಗೆ ನಮ್ಮ ತಿಳುವಳಿಕೆಗೆ ಕೊಡುಗೆ ನೀಡುತ್ತದೆ ಮತ್ತು ವೈದ್ಯಕೀಯದಿಂದ ಪರಿಸರ ವಿಜ್ಞಾನದವರೆಗಿನ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಪ್ರಮುಖ ಪಾತ್ರವನ್ನು ವಹಿಸುತ್ತದೆ. ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರದಂತೆ ನಮ್ಮ ದೈನಂದಿನ ಚಟುವಟಿಕೆಗಳೊಂದಿಗೆ ವಿಜ್ಞಾನದ ಯಾವುದೇ ಶಾಖೆ ನಿಕಟ ಸಂಬಂಧ ಹೊಂದಿಲ್ಲ. ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಆಧುನಿಕ ಜೀವನಕ್ಕೆ ಪ್ರಮುಖವಾಗಿದೆ, ಹಲವಾರು ರಾಸಾಯನಿಕ ಪ್ರಕ್ರಿಯೆಗಳು ಮತ್ತು ಅನ್ವಯಗಳ ಮೂಲಕ ನಮ್ಮ ದೈನಂದಿನ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ಆಳವಾಗಿ ಸಂಯೋಜಿಸಲ್ಪಟ್ಟಿದೆ. ಆಹಾರದಲ್ಲಿನ ರುಚಿ ಮತ್ತು ಪರಿಮಳವನ್ನು ನಿಯಂತ್ರಿಸುವ ಸಂಶ್ಲೇಷಣೆಯವರೆಗೆ, ಆಣ್ರಿಕ ಸಂಕೀರ್ಣತೆಗಳಿಂದ ಜೀವ ಉಳಿಸುವ ಔಷಧಗಳ ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರದ ವ್ಯಾಪಕ ಪ್ರಭಾವವು ಸಮಕಾಲೀನ ಸಮಾಜದಲ್ಲಿ ಅದರ ಅನಿವಾರ್ಯತೆಯನ್ನು ಒತ್ತಿಹೇಳುತ್ತದೆ.

THE MORE WE STUDY NATURE , THE MORE WE WILL BE AMAZED BY THE WORK OF THE CREATOR.





SIG 1986

ಪೌಷ್ಟಿಕಾಂಶದ ಕ್ಷೇತ್ರದಲ್ಲಿ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಆಹಾರ ಪದಾರ್ಥಗಳಲ್ಲಿನ ಸುವಾಸನೆ, ಪರಿಮಳ ಮತ್ತು ಪೌಷ್ಟಿಕಾಂಶದ ಮೌಲ್ಯಕ್ಕೆ ಕಾರಣವಾದ ಸಂಯುಕ್ತಗಳ ಸಂಕೀರ್ಣವಾದ ಪರಸ್ಪರ ಕ್ರಿಯೆಯನ್ನು ನಿಯಂತ್ರಿಸುತ್ತದೆ. ಆಲ್ಡಿಹೈಡ್ಗಳು, ಕೀಟೋನ್ಗಳು ಮತ್ತು ಎಸ್ಟರ್ಗಳು ಇತರ ಸಾವಯವ ಸಂಯುಕ್ತಗಳ ಜೊತೆಗೆ ರುಚಿ ಮತ್ತು ವಾಸನೆಯ ಸಂವೇದನಾ ಅನುಭವಗಳಿಗೆ ಕೊಡುಗೆ ನೀಡುತ್ತವೆ. ಹೆಚ್ಚುವರಿಯಾಗಿ ಕಾರ್ಬೋಹೈಡ್ರೇಟ್ಗಳು, ಪ್ರೋಟೀನ್ಗಗಳು ಮತ್ತು ಲಿಪಿಡ್ಗಳಂತಹ ಅಗತ್ಯ ಮ್ಯಾಕ್ರೋನ್ಯೂಟ್ರಿಯೆಂಟ್ಗಳು, ಚಯಾಪಚಯ ಪ್ರಕ್ರಿಯೆಗಳಿಗೆ ಅವಿಭಾಜ್ಯವಾಗಿದ್ದು, ಜೀವವನ್ನು ಉಳಿಸಿಕೊಳ್ಳಲು ಪ್ರಮುಖವಾದ ಸಾವಯವ ಅಣುಗಳಾಗಿವೆ. ಔಷಧಿಗಳಲ್ಲಿ ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಔಷಧ ಶೋಧನೆ, ವಿನ್ಯಾಸ ಮತ್ತು ಸಂಶ್ಲೇಷಣೆಗೆ ತಳಪಾಯವಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತದೆ.

ಔಷಧೀಯ ರಸಾಯನಶಾಸ್ತ್ರವು ನಿರ್ದಿಷ್ಟ ಆಣ್ವಿಕ ಮಾರ್ಗಗಳನ್ನು ಗುರಿಯಾಗಿಟ್ಟುಕೊಂಡು ಜೈವಿಕ ಸಕ್ರಿಯ ಸಂಯುಕ್ತಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಸಾವಯವ ಸಂಶ್ಲೇಷಣೆಯನ್ನು ಬಳಸುತ್ತದೆ, ರೋಗಗಳ ವರ್ಣಪಟಲಕ್ಕೆ ಚಿಕಿತ್ಸಕ ಮಧ್ಯಸ್ಥಿಕೆಗಳನ್ನು ನೀಡುತ್ತದೆ. ನೋವು ನಿವಾರಕಗಳಿಂದ ಪ್ರತಿಜೀವಕಗಳವರೆಗೆ ಆಂಟಿಹಿಸ್ಟಮೈನ್ಗಳಿಂದ ಆಂಟಿನಿಯೋಪ್ಲಾಸ್ಟಿಕ್ ಏಜೆಂಟ್ಗಳವರೆಗೆ ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸಾ ವಿಧಾನಗಳನ್ನು ಮರು ವ್ಯಾಖ್ಯಾನಿಸುವ ಮತ್ತು ಮಾನವ ಜೀವಿತಾವಧಿಯನ್ನು ಹೆಚ್ಚಿಸುವ ಔಷಧಗಳ ಸಂಶ್ಲೇಷಣೆಗೆ ಆಧಾರವಾಗಿದೆ. ಇದಲ್ಲದೆ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ದೈನಂದಿನ ಜೀವನದಲ್ಲಿ ಸರ್ವತ್ರ ಸಂಶ್ಲೇಷಿತ ವಸ್ತುಗಳ ಉತ್ಪಾದನೆಗೆ ತನ್ನ ವ್ಯಾಪ್ತಿಯನ್ನು ವಿಸ್ತರಿಸುತ್ತದೆ. ಸಾವಯವ ಪಾಲಿಮರ್ಗಗಳಿಂದ ಪಡೆದ ಪಾಲಿಯೆಸ್ಟರ್ಗಳು, ಪಾಲಿಮೈಡ್ಗಳು ಮತ್ತು ಎಲಾಸ್ಟೊಮರ್ಗಳಂತಹ ಸಂಶ್ಲೇಷಿತ ಫೈಬರ್ಗಳು ಜವಳಿಗಳ ಆಧಾರವಾಗಿದೆ. ಅವು ಬಾಳಿಕೆ ಬರುವವು, ಹೊಂದಿಕೊಳ್ಳುವವು ಮತ್ತು ವಿಭಿನ್ನ ನೋಟದಲ್ಲಿ ಬರುತ್ತವೆ. ಸಾವಯವ ಪ್ರಕ್ರಿಯೆಗಳ ಮೂಲಕ ಸಂಶ್ಲೇಷಿಸಲ್ಪಟ್ಟ ಪ್ಲಾಸ್ಟಿಕ್ಗಳು, ಪ್ಯಾಕೇಜಿಂಗ್, ನಿರ್ಮಾಣ ಮತ್ತು ಗ್ರಾಹಕ ಸರಕುಗಳಲ್ಲಿ ಬಹುಮುಖಿ ಅನ್ವಯಗಳನ್ನು ಕಂಡುಕೊಳ್ಳುತ್ತವೆ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ನಮಗೆ ಅಗತ್ಯವಿರುವ ವಿವಿಧ ವಸ್ತುಗಳನ್ನು ತಯಾರಿಸಲು ನಿಜವಾಗಿಯೂ ಉಪಯುಕ್ತವಾಗಿದೆ.

ಶಕ್ತಿಯ ಕ್ಷೇತ್ರದಲ್ಲಿ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಸಾರಿಗೆ ಮತ್ತು ಕೈಗಾರಿಕಾ ಪ್ರಕ್ರಿಯೆಗಳಿಗೆ ಅಗತ್ಯವಾದ ಹೈಡ್ರೋಕಾರ್ಬನ್ ಆಧಾರಿತ ಇಂಧನಗಳ ಸಂಶ್ಲೇಷಣೆ ಮತ್ತು ಬಳಕೆಯನ್ನು ನಿರ್ದೇಶಿಸುತ್ತದೆ. ಕಚ್ಚಾ ತೈಲವನ್ನು ಗ್ಯಾಸೋಲಿನ್, ಡೀಸೆಲ್ ಮತ್ತು ವಾಯುಯಾನ ಇಂಧನಗಳಾಗಿ ಸಂಸ್ಕರಿಸುವುದು ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರದ ತತ್ವಗಳನ್ನು ಅವಲಂಬಿಸಿದೆ, ಜಾಗತಿಕ ಆರ್ಥಿಕತೆಗಳು ಮತ್ತು ಮೂಲಸೌಕರ್ಯಗಳನ್ನು ಚಾಲನೆ ಮಾಡುತ್ತದೆ. ಹೆಚ್ಚುವರಿಯಾಗಿ, ಜೈವಿಕ ರಸಾಯನಶಾಸ್ತ್ರವು ಜೈವಿಕ ಇಂಧನಗಳಂತಹ ನವೀಕರಿಸಬಹುದಾದ ಇಂಧನ ಮೂಲಗಳ ಅಭಿವೃದ್ಧಿಗೆ ಕೊಡುಗೆ ನೀಡುತ್ತದೆ, ಸುಸ್ಥಿರ ಇಂಧನ ಉತ್ಪಾದನೆಗೆ ಜೈವಿಕ ಫೀಡ್ಸ್ಟಾಕ್ಗಳನ್ನು ನಿಯಂತ್ರಿಸುತ್ತದೆ. ಇದೆಲ್ಲದರ ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಕೃಷಿ ಪದ್ಧತಿಗಳಲ್ಲಿ ಪ್ರಮುಖ ಪಾತ್ರವನ್ನು ವಹಿಸುತ್ತದೆ, ಬೆಳೆ ರಕ್ಷಣೆ ಮತ್ತು ವರ್ಧನೆಗೆ ಪ್ರಮುಖವಾದ ಕೃಷಿ ರಾಸಾಯನಿಕಗಳ ಸಂಶ್ಲೇಷಣೆಯನ್ನು ಸುಗಮಗೊಳಿಸುತ್ತದೆ. ಸಾವಯವ ಸಂಯುಕ್ತಗಳಿಂದ ಪಡೆದ ಕೀಟನಾಶಕಗಳು, ಸಸ್ಯನಾಶಕಗಳು ಮತ್ತು ರಸಗೊಬ್ಬರಗಳು, ಆಹಾರ ಭದ್ರತೆ ಮತ್ತು ಸುಸ್ಥಿರತೆಯ ಸಂಕೀರ್ಣ ಸವಾಲುಗಳನ್ನು ಪರಿಹರಿಸುವ ಮೂಲಕ ಪರಿಸರ ಪರಿಣಾಮವನ್ನು ತಗ್ಗಿಸುವ ಸಂದರ್ಭದಲ್ಲಿ ಕೃಷಿ ಇಳುವರಿಯನ್ನು ಉತ್ತಮಗೊಳಿಸುತ್ತವೆ. ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ವಸ್ತುಗಳ ವಿಜ್ಞಾನದಲ್ಲಿ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ಸಾವಯವ ಸೆಮಿಕಂಡಕ್ಟರ್ಗಳು, ವಾಹಕ ಪಾಲಿಮರ್ಗಳು ಮತ್ತು ಆಣ್ವಿಕ ಅಸೆಂಬ್ಲಿಗಳ ತಯಾರಿಕೆಗೆ ಅನುಗುಣವಾಗಿ ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಗುಣಲಕ್ಷಣಗಳೊಂದಿಗೆ ಶಕ್ತಗೊಳಿಸುತ್ತದೆ. ಸಾವಯವ ವಿದ್ಯುನ್ಮಾನ ಸಾಧನಗಳು, ಸಾವಯವ ಬೆಳಕು-ಹೊರಸೂಸುವ ಡಯೋಡ್ಗಳು (OLEDs) ಮತ್ತು ಸಾವಯವ ದ್ಯುತಿವಿದ್ಯುಜ್ಜನಕ ಕೋಶಗಳು (OPVs) ಸೇರಿದಂತೆ, ಹೊಂದಿಕೊಳ್ಳುವ ಪ್ರದರ್ಶನಗಳು, ಶಕ್ತಿ-ಸಮರ್ಥ ಬೆಳಕು ಮತ್ತು ನವೀಕರಿಸಬಹುದಾದ ಶಕ್ತಿ ಕೊಯ್ಲುಗಳಿಗೆ ಸಂಭಾವ್ಯ ಪರಿಹಾರಗಳನ್ನು ನೀಡುತ್ತವೆ. ಮೂಲಭೂತವಾಗಿ, ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರವು ದೈನಂದಿನ ಮಾನವ ಚಟುವಟಿಕೆಗಳ ಪ್ರತಿಯೊಂದು ಅಂಶವನ್ನು ವ್ಯಾಪಿಸುತ್ತದೆ, ಪೋಷಣೆ ಮತ್ತು ಔಷಧದ ಮೂಲಕ ಜೀವನ ಪೋಷಣೆಯಿಂದ ವಸ್ತು ವಿಜ್ಞಾನ, ಶಕ್ತಿ 🖉 ಉತ್ಪಾದನೆ ಮತ್ತು ಕೃಷಿಯಲ್ಲಿನ ಪ್ರಗತಿಗಳವರೆಗೆ ಅದರ ಸಂಕೀರ್ಣವಾದ ಆಣ್ವಿಕ ಕಾರ್ಯವಿಧಾನಗಳು ಮತ್ತು ಸಂಶ್ಲೇಷಿತ ವಿಧಾನಗಳು ತಾಂತ್ರಿಕ ನಾವೀನ್ಯತೆ ಮತ್ತು ಸಾಮಾಜಿಕ ಪ್ರಗತಿಗೆ ಆಧಾರವಾಗಿದೆ, ಆಧುನಿಕ ಯುಗದಲ್ಲಿ ಸಾವಯವ ರಸಾಯನಶಾಸ್ತ್ರದ ನಿರಂತರ ಪ್ರಸ್ತುತತೆ ಮತ್ತು ಮಹತ್ವವನ್ನು ಒತ್ತಿಹೇಳುತ್ತದೆ.

THE GREATEST INVENTION IN THE WORLD IS THE MIND OF A CHILD. BRINDAVANA 2024







BRINDAVAN 2024

~ಚಂದ್ರಮೌಳಿಗೌಡ ಜಿ. ಎನ್.

1MV22EC037

ಚಿಕ್ಕ ವಯಸ್ಸು, ಚೊಕ್ಕ ಮನಸು ದೊಡ್ಡ ವಯಸು, ಡೊಂಕ ಮನಸು ಕಾಲ ಕಳೆದರೂ, ಕರಗುತ್ತಿಲ್ಲ ಕಂಡ ಕನಸು, ಈ ಕರಗದ ಕನಸು. ತುಟಿಗಳ ಅಂಚಲ್ಪಿ, ಮೂಡಿದಾಗ ನಗು ಕಣ್ಣಿನ ಅಂಚಲ್ಲಿ ,ತುಂಬಿದಾಗ ಕಣ್ಣೀರು ಮನಸ್ಸಿನ ಅಂಚಲ್ಲಿ, ಆದಾಗ ಅಂಜಿಕೆ ಸ್ನೇಹಿತನಂತೆ ಜೊತೆಯಲ್ಲಿ ಉಳಿದಿದ್ದು, ನಾವು ಕಂಡ ನಮ್ಮ ಕನಸುಗಳು . ಕನಸಿಗೆ, ಸುಂಕವಿಲ ಕನಸಿಗೆ, ನಿಯಮವಿಲ್ಲ ಕನಸಿಗೆ , ಮಿತಿಯು ಇಲ್ಲ ಕನಸು ನನಸಾಗಬೇಕಾಗು ಇಲ್ಲ ಕನಸು ಕನಸಾಗೇ ಉಳಿದರು ಸಹ , ಕನಸು ಕಾಣುವುದು ಕೊನೆಯಾಗುವುದಿಲ್ಲ. ಜೀವನದ ಹಾದಿಯಲ್ಲಿ, ಅವಕಾಶಗಳು ನೂರಾರು ನಮ್ಮ ಅರಿವಿಗೆ ಬರುವುದು ಅದರಲ್ಲಿ, ಅದಿನಾರು... ನಾವು ಹಿಂಬಾಲಿಸಿ ಬೆನ್ನತ್ತುವುದು, ಎರಡು ಮೂರು ಆದರೆ ಕಂಡ ಕನಸುಗಳು ಮಾತ್ರ ಸಹಸ್ರಾರು. ಕೆಲವು ಕನಸು ನನಸಾಗಿ , ಫಲ ನೀಡುವುದು ಕೆಲವು ಕನಸು ಕನಸಾಗುಳಿದು, ಛಲ ನೀಡುವುದು ನಾವು ಕಾಣುವ ಕನಸುಗಳಿದ್ದು, ನಮ್ಮ ಕೂಸು... ಕರಗದ ಈ ಕನಸು.

POETRY IS WHEN EMOTION HAS FOUND ITS THOUGHT AND THE THOUGHT HAS FOUND WORDS.





ಅಂತರ್ಯಾಮಿ

- ರಶ್ಮಿ ಕೆ. ವಿ.

ಮೋಹನನೆಂಬ ಮಾಯೆ ... ಮಾಧವನೆಂಬಾ ಮೋಹ... ಹರಿಯೆಂಬ ತೀರದ ನಿರೀಕ್ಷೆ... ಕೃಷ್ಣ ನೇ ಒಂದು ಅವಿನಾಭಾವ ಅನುಭವ ಕೇಶವನ ಕೊಳಲಿಗೆ ... ಗೋವಿಂದನ ಆಕರ್ಷಣೆ ಮರುಳಾಗದ ಮಾನಿನಿಯರುಂಟೆ ಜಗದಿ...? ಗೋಪಾಲನ ಗುಂಗಲ್ಲಿ... ಅಚ್ಯುತನ ಅಮಲಲ್ಲಿ ... ಜಗವ ಸವೆಸುವ ರಾಧೆಯರದೆಷ್ಟೂ ... ವಿರಹ ಕಟ್ಟಿಟ್ಟ ಬುತ್ತಿಯೆಂದರಿತ್ತಿದ್ದರೂ, ನೀಲಾ ಮೇಘಾ ಶ್ಯಾಮನ ಮೋಡಿಗೆ ಒಳಗಾಗದ ಗೋಪಿಯರುಂಟೆ ಜಗದಿ ...? ರಾಧೆಯ ಕೇಶವ ... ಭಾಮೆಯ ಮುಕುಂದ... ರುಕ್ಮಿ ಣಿ ವಲ್ಲಭ ...

ಕಡಲೊಡಲ ಬೆಳದಿಂಗಳೆ ಆ ಕಂಗಳ ಕಡಲಿನಲ್ಲಿ ಕಳೆದುಹೋಗಿ ... ಈ ತಿಂಗಳ ಬೆಳಕಿನಲ್ಲಿ ಹುಡುಕಿಕೊಂಡಿರುವೆ ನನ್ನಾ ನಾನು... ಕಾಡುವ ಕಂಗಳಿಗೂ, ಬೆಳಗುವ ಚಂದಿರನಿಗೂ ಎಲ್ಲಿಂದ ಎಲ್ಲಿ ಯ ನಂಟು...??

SETTING GOALS IS THE FIRST STEP IN TURNING INVISIBLE TO VISIBLE.





ಇ ಹೃದಯದ ಮಡಿಲಲ್ಲಿ;

ವಿಜಯ ತೇಜು ಆರ್. ಜಿ.

1MV20CV028

ನಿನಗಾಗಿ ಕಟ್ಟಿರುವೆ ಪ್ರೀತಿಯ ತೋರಣ; ಬಂದು ಅವರಿಸುವೆಯಾ ಈ ನನ್ನ ಮೌನ?ಮುಡಿಪಾಗಿಟ್ಟಿರುವೆ ಈ ನನ್ನ ಪ್ರಾಣ, ಸದ್ದಿಲ್ಲದೆ ಈ ಹೃದಯ ಮಾಡುವ ಧ್ಯಾನ. ಸೆಳೆದು ಬಿಟ್ಟೆಯ ಈ ಜ್ಞಾನಿಯ ಗಮನ; ಸಾಲದು ನಿನಗಾಗಿ ಈ ಹೃದಯ ಮಾಡುವ ಕೋಟಿ ನಮನ. ಕಾಲಚಕ್ರವು ನಿಲ್ಲುವುದೆ ಮುಂದೊಂದು ದಿನಾ? ನಿಲ್ಲದು ನಿನಗಾಗಿ ನಡೆಯುವ ಈ ಪಯಣ. ಬಂದೆ ಬರುವೆಯಾ ಓ ನನ್ನ ಪ್ರಾಣ? ಕಾದು ಕುಂತಿರುವೆ ನಿನಗಾಗಿ ಈ ಏಕಾಂಗಿಯ ಮನ.

ಕನಸು

ಉಮಾಶಂಕರ್ ಸಿ. ಟಿ. 1MV22IS114

ಮಂಜು ಮಸುಕಲ್ಲಿ ಕಂಡೆ ಕನಸು ಆಗ ಹದಿನಾರು ವಯಸು, ಪ್ರೀತಿ - ಪ್ರೇಮ ಬಲು ಸವಿ ಆ ಧ್ವನಿಗೆ ಕೊಟ್ಟೆ ಚೂರು ಕಿವಿ ಪ್ರೇಮದ ತೊಟ್ಟಿಲಲ್ಲಿ ಜೋಗುಳ ಕೇಳಿ ನನ್ನ ಕನಸಿಗೆ ಹಾಕಿಕೊಂಡೆ ಬೇಲಿ ಅದು ಕಂಡೆನಾ ನಾ ಇಲ್ಲ ಏಕೆಂದರೆ ಪ್ರೀತಿಯ ಲೋಕವೇ ನನದೆಲ್ಲ ಕದ್ದು ಮುಚ್ಚಿ ಮಾಡಿದೆ ಫೋನ್ ನೋಡಿದರೆ ಅವಳ ಅಮ್ಮನ ಟೋನ್ ಡಬಡಬ ಹೊಡೆದ ಹೃದಯ ಆಗಲಿಂದ ನನ್ನ ಬದುಕು ಅಯೋಮಯ ಈ ವಿಷಯ ತಿಳಿದ ಅಮ್ಮ ಮನೇಲಿ ತಿಳಿಸಿದಳೊವಮ್ಮ ತಕ್ಷಣ ಜೀವನ ಆಷಾಡವಾಯಿತು ಸದ್ಯ ಕನಸೆಂದು ಅರಿವಾಯಿತು.



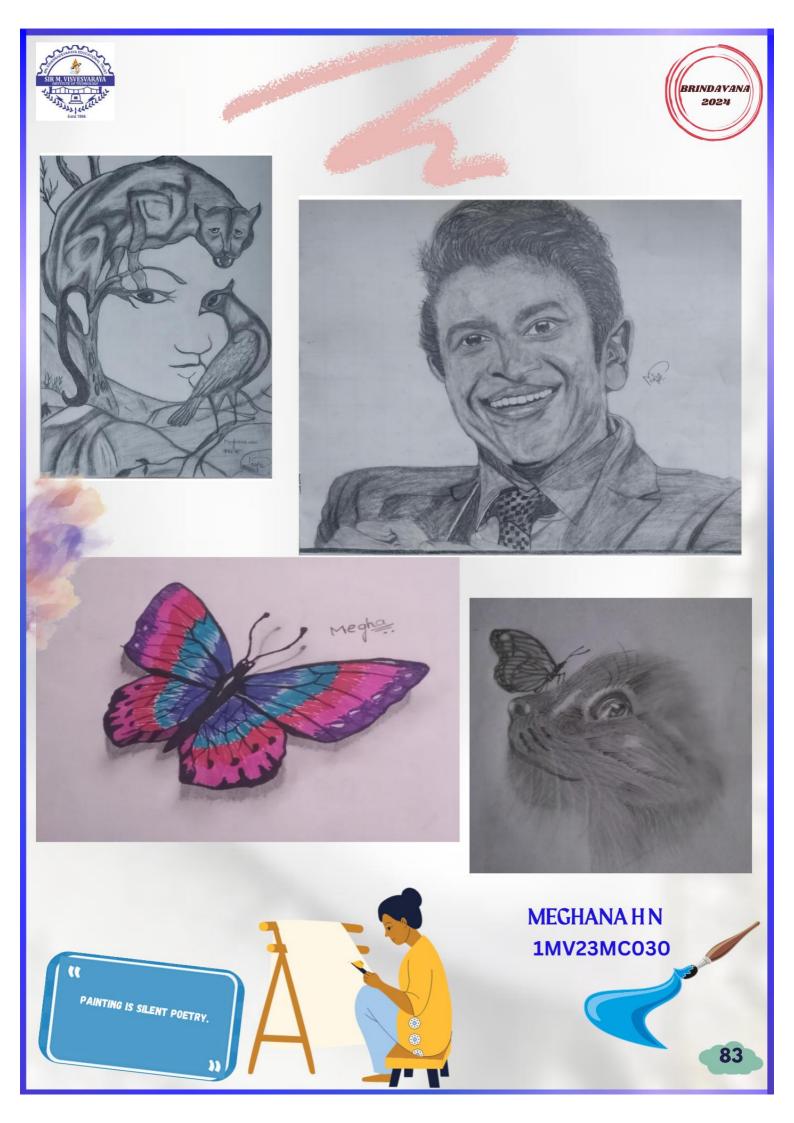
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THE GREATEST GLORY IN LIVING LIES NOT NEVER FALLING, BUT IN RISING EVERY TIME WE FALL.



A CANVAS IS A MIRROR REFLECTING THE ARTIST'S HEART.

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THE NEW CYBER HEROES: HOW AI IS REVOLUTIONIZING CYBERSECURITY

Chandan L

1MV23MC012

Imagine you're a detective in a city, constantly on the lookout for criminals. Every day,new threats appear, and its your job to protect the citizens. Now, imagine if you had a super-intelligent partner who could analyze vast amounts of data in seconds, predict where crimes might happen, and even catch criminals in the act. This is how artificial intelligence (AI) is transforming the world of cybersecurity

The Rise of Cyber Threats: In our digital age, cyber threats are everywhere. From hackers trying to steal personal information to ransomware attacks that lock companies out of their own data, the danger is real and constant. Traditional methods of combating these threats often fall short because they can't keep up with the speed and sophistication of modern cybercriminals.

Enter AI The Cybersecurity Superhero: This is where AI steps in. Artificial intelligence, with its ability to learn and adapt, is becoming a game-changer in the fight against cyber threats. Think of AI as a super-intelligent detective who never sleeps, constantly watching over our digital world and ready to act at a moments notice.

How AI Detects Threats: One of the most significant advantages of AI in cybersecurity is its ability to detect threats in real-time. Imagine trying to find a needle in a haystack—this is what detecting cyber threats can feel like. But AI can sift through massive amounts of data at lightning speed, spotting patterns and anomalies that humans might miss.

For example, AI can monitor user behavior on a network. If an employee suddenly starts accessing files they never touched before or logs in from an unusual location, AI can flag this as suspicious activity. It's like having a security camera that not only records but also analyzes and alerts you to potential dangers.

Responding to Incidents AI doesn't just stop at detecting threats it can also respond to them. When a cyber attack occurs, every second counts. AI can automate responses, such as isolating affected systems to prevent the spread of malware or blocking suspicious IP addresses. This quick action can minimize damage and give human cybersecurity teams the breathing room they need to devise a more comprehensive response.

SAFETY IN CYBER SPACE IS A TWO WAY STREET

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Let's look at some real-world examples. Banks use AI to detect fraudulent transactions. By analyzing spending patterns, AI can spot unusual activities like a sudden high-value purchase in a foreign country and flag them for further investigation. In healthcare, AI helps protect sensitive patient data, ensuring that only authorized personnel have access. Even governments are leveraging AI to safeguard national security. AI systems monitor critical infrastructure, such as power grids and water supplies, for signs of cyber attacks, ensuring that these vital services remain operational and secure.

The Future of AI in Cybersecurity: Looking ahead, the future of AI in cybersecurity is promising. As AI technology continues to advance, it will become even more adept at predicting and preventing cyber threats. We might see AI working hand-in-hand with other technologies like blockchain to create even more secure systems. The collaboration between AI and human experts will also be crucial, combining the strengths of both to create a formidable defense against cyber threats.





In conclusion, AI is revolutionizing cybersecurity, offering powerful tools to detect, respond to, and prevent cyber threats. While there are challenges to overcome, the potential benefits far outweigh the drawbacks. As we move forward, embracing AI in cybersecurity will be essential to staying one step ahead of cybercriminals and keeping our digital world safe.

So, the next time you think about cybersecurity, imagine that tireless, super-intelligent detective working day and night to protect you. That's AI in action, and it's here to stay.

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CYBER-SECURITY IS MUCH MORE THAN A MATTER OF IT.

THE REALITY OF LIFE!!

Aman Dev

1MV23IC007

BRINDAVANA 2024

Distances so vast, from the world I couldn't tether, Yearning abounded, but in the gathering, lost myself altogether. Crafting distances in the fabric of time's demand, Drifting from kin, molding moments like sand.

Time's relentless call, distancing from near, Every moment, a self-imposed frontier. In the pursuit of the ticking clock's demand, Lost in the labyrinth, straying far from the band.

Each moment, a sacrifice, a self-imposed toll, In the masquerade of self, played a distant role. Innocent, perhaps, escaping worldly norm, Yet, in the illusion, weathering life's storm

From the realm of learning to the horizon's span, Weaving a tale of distances, since life began. Every day, sacrificing for the world's facade, Living an existence, to a self-made god.

From childhood till now, a journey unseen, When I turned around, time, my only glean. Yet, in the turn, found loved ones amiss, In the race of life, oblivious to the abyss.

In the realm unknown, where all was lost, Distance a companion, at an unimaginable cost. Never far from the heart, yet racing ahead, In life's marathon, leaving all behind, I tread.

DO ONE THING EVERY DAY THAT SCARES YOU.



PARAGON OF VIRTUE

BRINDAVANA 2024

Dr. E.Kavitha

Professor and Head Department of Electronics and Telecommunication Engineering

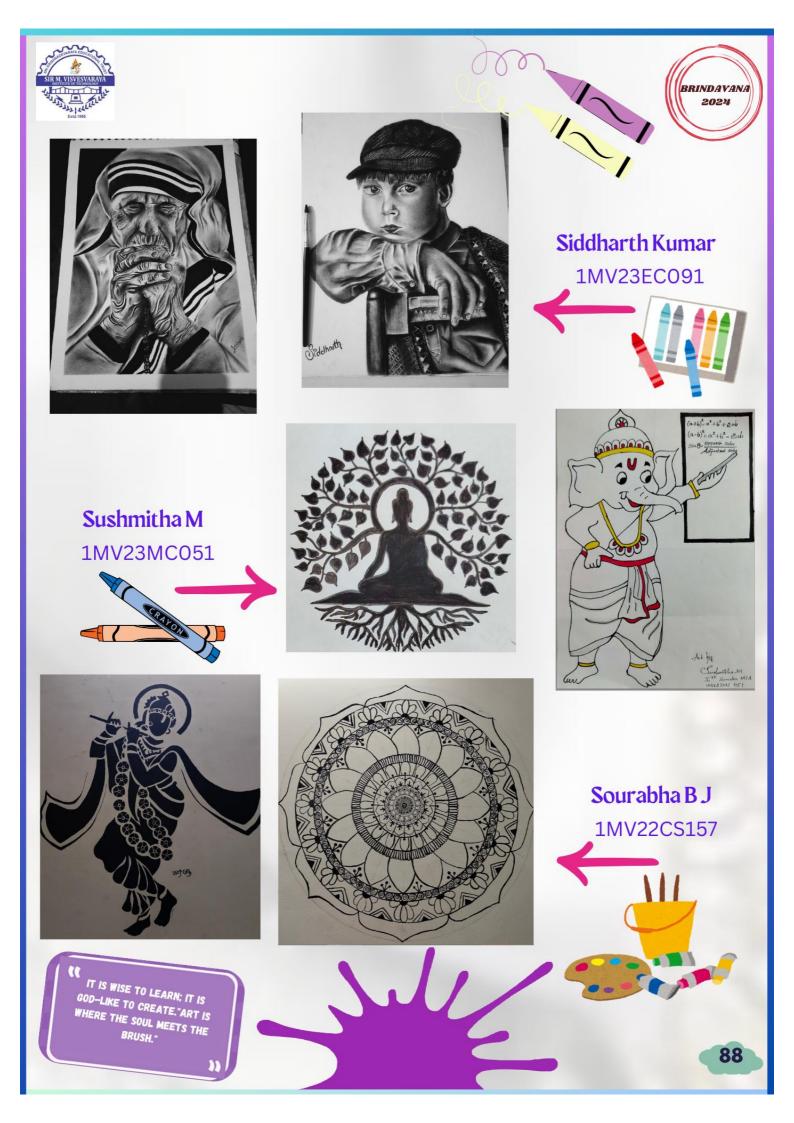
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AI IS A TOOL. THE CHOICE ABOUT HOW IT GETS DEPLOYED IS OURS.

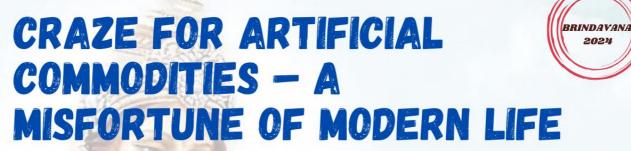
The epoch of AI Seasons designed indoors **Patience driven outdoors** Health seamlessly insured Values perfectly archived Walking on the treadmill Wanting all the chillpill **Reading for a fashion Forgotten emotion Pay through Gpay** See come What may **Conversations Automated Conservations ventilated** Happiness simulated **Bondings** emulated **Families** deviated **Social Media Dominated Peers indoctrination Sports Online** Life Onstream **Generation Alpha Derivation Astray Education virtual Banking Virtual Thanking Virtual Memories Virtual** The epoch of AI











DR. SUDEVI BASU

ASST. PROFESSOR DEPARTMENT OF BIOTECHNOLOGY

2024

Ever wondered how life has changed in the modern techno-society?

Is there appreciation for nature and its beauty or the artificial products? Let us ponder in this article about our daily activities of life.

Every morning, the sound of mobile or clock alarm is the wake-up call, replaced by most interestingly the mesmerizing rooster's call, birds' chirping or squirrel squeaking. Chewing the neem bark while brushing teeth with the neem sticks, acquiring their anti-microbial, antiinflammatory properties, is a bygone history, with fancy toothpastes laden with artificial ingredients and advertisements of love arising from toothpastes to many claiming natural constituents, being used daily.

Going to colleges or work place, eyebrows trimmed, hair straightened, arm and leg hair removal creams to lipsticks to make-up creams used because natural God gifted look is considered unimpressive. In the scorching heat, amazing thirst- quenching tender coconut water is substituted by packaged drinking water.

Natural fruits made into instant juice is many a times replaced with sweetened drinks and packaged fruit Juices loved and adored by young and old. Artificial sweetener has taken over natural honey in food.

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Evening walk to nearby shops or cycling, certainly is a poor man's choice. Without a

care for health and environment, motorised twowheelers and cars are a status symbol and certainly excessive air pollution in cities and metros with respiratory illness is an acceptable feature. For shopping, jute and cloth bags are replaced with environmentally polluting plastic bags.

At home, in cars, cherishing the natural air by opening windows is no longer appreciable, but closing windows and switching on AC is but a reality. Travelling by train, bus or car to the country-side, who has time to see the shady trees, the interplay of clouds and sun, the blooming colourful flowers, the various types of birds and their nests, the lush greenfields?

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IT ALL DEPENDS ON WHETHER YOU HAVE THINGS, OR THEY HAVE YOU

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Better spend time glued to computer screen, mobile videos, social media sites and so on. Even new-born babies are not spared with artificial chemical-laden diapers used instead of layers of washable cloth used in olden days.

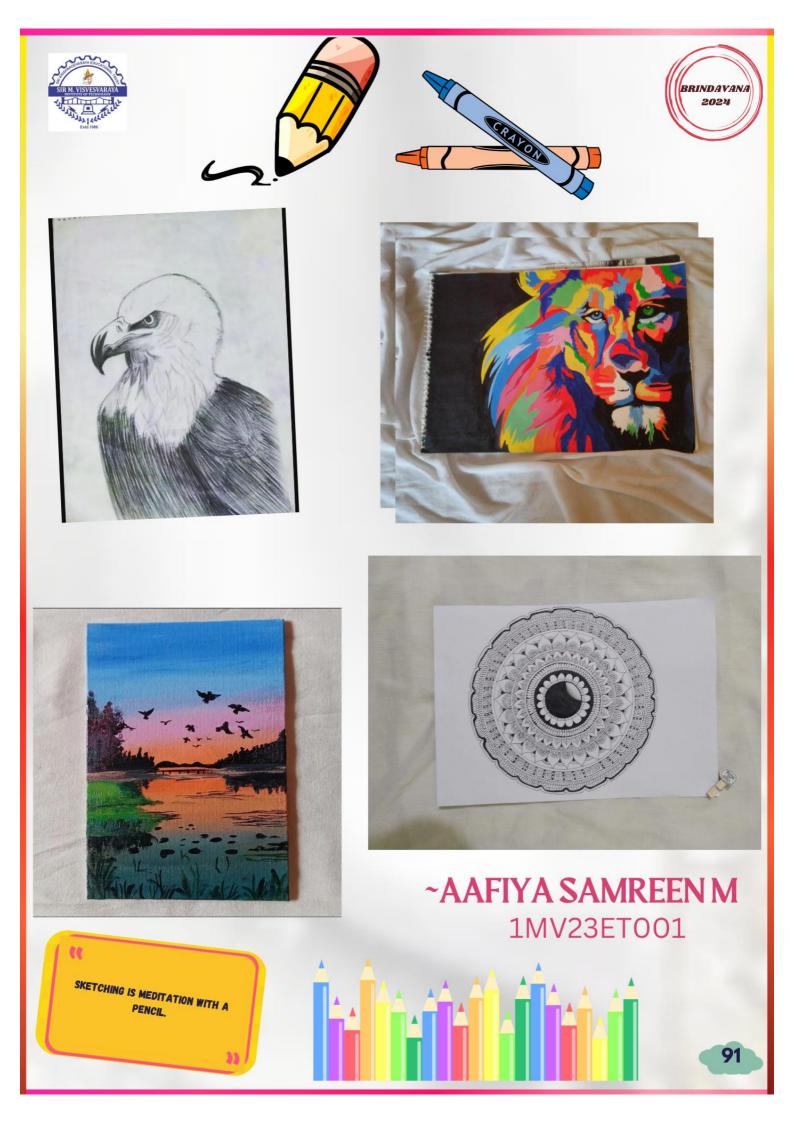
With complete disregard to nature, easy to cut trees and build mountains of concrete structures in the name of development and progress. This is indeed a misfortune of modern life!! However, nature certainly doesn't forgive these careless attitudes with soaring temperatures, scanty rainfall, shortage in drinking water and so on. Even with slight rainfall, water logged streets are a common sight, thanks to reckless use and throw policy of plastics and non-degradable items, clogging drains and polluting rivers, lakes and water bodies.

Craze for artificial commodities has reached such a high level that there is world-wide admiration for "Artificial Intelligence" over natural, gifted human intelligence.

Of course, this is a creation of the wonderful human mind but "artificial" is cherished more than natural!!

11

IF YOU WANT TO FEEL RICH, JUST COUNT ALL OF THE THINGS YOU HAVE THAT MONEY CAN'T BUY.





Mariam Shuaib

1MV23BT019

BRINDAVANA 2024

I never wanted to get close to anyone just because the heartbreak got worse with time. You see I can never die. People say it's a blessing and many books write of it as being a curse, well it is. I never really got to know how I came to be invincible, I was just a 30 year old man walking across a road one day with his family and suddenly ended up in a hospital bed. My family died that day, that was my first heartbreak. I could never let go of the memories I had with my 7 year old son and my beautiful wife. I couldn't let them peacefully go to the afterlife. As time went on, people around me noticed I didn't age a bit, you'd think it was great genetics but it wasn't. You could say I was lucky. I know it's confusing because I don't understand this myself, I can't explain it to anyone. I had to run away from the place I once called home, taking all the memories I couldn't let myself near them, not when I still think of her. I saw these kids, they were playing in the park. They reminded me of my son. A ball hit my foot, a child came to me saying sorry and taking his ball away. I couldn't help but want to play with them, maybe new memories I could have thinking of my son. The kids were angels to say the least but they grow so fast. Now those once young kids were having their own funerals and I was still 30 years old.

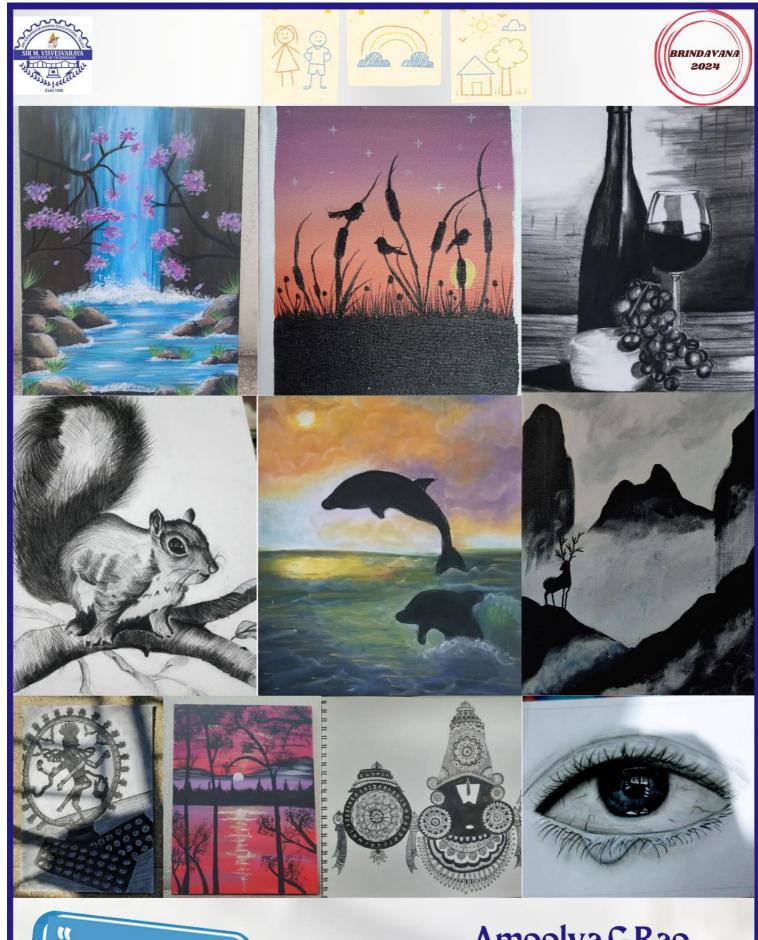
Well I wallowed in my misery, the world won't let me go. I have to carry these beautiful memories of people who pass away peacefully whilst I live in this nightmare that never ends. I cried for the world to take me away, the memories I had were enough for me, I needn't any more. As I closed my eyes lying on my bed, I heard a whisper, "You've been through enough, you can join us now." A flash of all my memories stitched together, from marrying my wife, having my son, playing with those kids in the park to them lying on their deathbeds. All those memories came at me like a hit to the head and everything faded to black.

I could finally rest in peace.

SHORT STORY

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WE ARE IMMORTAL UNTIL OUR WORK ON EARTH IS DONE.



Amoolya G Rao 1MV23ET008

A CANVAS IS A PLAYGROUND FOR IMAGINATION.

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re fine day...!



Kezia Joy Kumari

Asst. Professor

Department of EEE

Life is not designed to run out on you, in one day. With the dawn of a new day, your sorrows don't grow, but melt away. Millions of eyes, shedding tears, would have dropped to the ground. Life moves on, in spite – and mother earth sprouts flowers all around.

> From the day, you leave your mother's womb. A search beings to play, until you reach the gates of your eventual tomb. Opening your eyes, to see that all the world is a stage, Close your eyes, to stay in the safety of your mind's cage.

Born into a war field, what you get and lose doesn't matter. Living in a jungle, thorns don't kill you – nothing to clatter. Your shadow stops being your friend, when you walk in the dark. You are your own seeker in the world – truth, so stark.

> The day will come when your corpse burns in flames, Until then, this loneliness will persist in this never ending games. Waiting aboard the ship, looking for the moment to hit shores. Rise up and fight, even if it is a volcano, standing on its top, as it roars.

Never lose trust in your heart. No night goes on without a sunrise If you trust in you and walk ahead, the unseen path will unfold... Will everything change on its own? Keep fighting and justice will be done one day...

WISDOM IS NOT A PRODUCT OF SCHOOLING BUT OF THE LIFELONG ATTEMPT TO ACQUIRE IT.

11





THE LOST TRAVELLER!!

Aman Dev

AUDIA

RABIA

COMOROS

17

1MV23IC007

In the realm of destiny, he once fell, Unable to rise even with stumbling's tell. Aspired to be a shining light so bright, Yet somehow entangled in an elusive plight.

He knew the march of time intimately, Yet, progression eluded him entirely. Despite possessing knowledge vast, Achievement seemed beyond his grasp.

Yearned for trust in the world's array, Yet the harsh reality held sway. Tried to decipher the meaning behind tears, Lost in the innocence that veiled his fears.

Ambitions loomed, a ghostly apparition, Yet fate restrained, a relentless condition. Wished to rewrite the script of life's play, But destiny's script dictated the way.

He trusted the world, despite its disguise, Failing to unveil truth in others' eyes. Behind the curtain of innocent tears, Misunderstood meanings fueled his fears.

NOT ALL WHO ARE LOST NEED TO BE FOUND. Desired to achieve, much lay ahead, Yet fate's hand determined the tread. Glimpsed back, found solitude in self, Loneliness enveloped, like an unseen stealth.

DEM. REP.

The journey through solitude he embraced, Yet the weight of responsibility was faced. A night profound, when intruders came, Painful to craft, words etched a somber claim.

Creating pain was a challenge profound, Thus, he expressed through words, unbound. The beautiful journey with loved ones by his side, Yet the pull of departure he could not override.

Longed to return, an innate urge, Yet the journey forward he could not purge. Lonely exploration, the path he tread, Realizing responsibility's burden, heavy as lead.

The night was deep when intruders arrived, Pain transformed into words, a solace derived. The odyssey of solitude, he willingly took, Yet the weight of responsibility over him shook.

BRINDAVANA 2024

KENYA E

3 Mogadish

The journey continued, and he persevered, Words echoed, as emotions adhered. In the tapestry of emotions, he wove, A saga of longing, of hope and love.

Nizhniy

Bagh

AFKuwayt

UDI AIM ABIA Arabian Peninsul

es Salaan

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Each verse, a testament to his quest, A symphony of emotions, his heart expressed. Solitude's embrace, a silent plea, To unravel the mystery of destiny.

In the vast sea of hopes, he sailed, Weathered storms, his spirit unassailed. Yet the yearning to return home, Remained unfulfilled, an echoing poem.

In this poetic voyage, emotions ran high, A narrative painted with tears from the eye. The boat of hope he aimed to steer, Yet the hurdles of fate, he couldn't clear.

The tale unfolded in words sincere, A reflection of struggles, hopes, and fear. Through the ebb and flow of destiny's sway, He sailed on, with a heart that wouldn't sway.

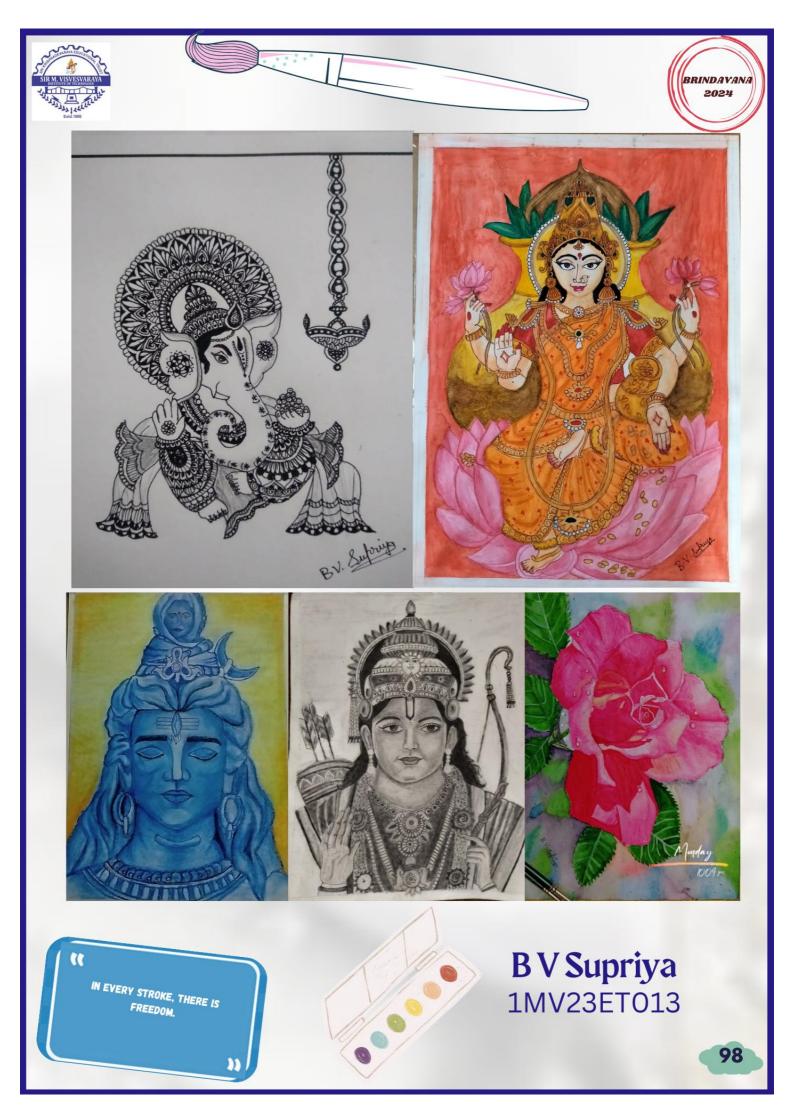
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IT'S NOT THE DESTINATION, BUT THE GLORY OF THE RIDE In the end, the boat of hope persisted, Resilience in every word he enlisted. Despite the trials and obstacles faced, His spirit endured, leaving emotions traced.

Mbandaka

SAO TOME ANI

The journey, a canvas of trials and strife, A tapestry woven with the thread of life. Through the verses, the soul's turmoil conveyed, In the sea of emotions, his story stayed.



IT'S ALL ABOUT OUR COLLEGE

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FOCUS ON YOUR GOAL. DON'T LOOK IN ANY DIRECTION BUT AHEAD. Stands a place of learning, a beacon of light, Its walls echo laughter; its corridors are bright, Rising above, in academia's domain,

- M Magnificent its legacy shall remain.
- **v** Visionaries in the making, they stand tall
 - In zeal and ardor, they heed the call
 - Standards of education, one and all
 - Vying for its greatness, never to fall
- **E** Embracing challenges, with grace and ease
- **S** Strong chasing passions everyone we seize
- **v** Victory joining hands in our suit of excellence
- A Aspiring knowledge and virtue their essence
- R Radiant luminous campus a heaven immense,
- **A** All our college trees, witness our journey, old and new.
- **V** Your branches stretch your roots pursue
- **A** Around in their shade we ponder and plea
- In heritage rich and legacy grand
 Number to least with forward contact.
 - Nurturing talents with fervent care
 - Stepping onward they march a future they bear
 - Trend setting pioneers in tech, beyond compare
 - Innovative Quest for wisdom, everywhere
- Treading paths of success without disdain,
 Unviolding spirit forever sustain
 - Unyielding spirit forever sustain,
 - Tech's guardians all across the land,
- E Everlasting glory, goes hand in hand.
- Oh, departments diverse in future manifest,
- **F** For Electrical sparks, in circuits ignite
- T Techy Mechanical minds, with gears that spin,
- **E** Engineering tapestry, all intertwine.
- **c** Chemical wonders, in laboratory refine
- H Humanities and science, in formulas divine,
- **N** No wonder civil bridges where structures grin.
- Often Biotech frontiers, in genes entwine,
- Logic in binary realms where algorithms digital delight,
- Only software dreams in code takes flight.
- G Gleamy cyberspace & business strategies where insights,
- **v** Yet to go more mile stones and reach heights.





THE LOST CHILDHOOD

AMAN DEV

1MV23IC007

Thousands wagered upon oneself, yet never halted, Childhood dreamt of laughter and play, but could not be exalted. Beneath the burden of education, lost the essence of youth, Confronting responsibilities, forgetting dreams, that's the bitter truth.

Struggling through obligations, neglecting personal desire, Silently, comprehended by all, the silent agony transpires. In the pursuit of building a life, left behind a heartfelt plea, In the quest for acquisition, abandoned those close, inadvertently.



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WHAT ONE LOVES IN CHILDHOOD STAYS IN THE HEART FOREVER.

11

Pain, lost in this journey, sometimes unbearable to endure, Life's complexities, a puzzle, at times unable to assure. In the relentless chase for something, left behind an ardent plea, In the pursuit of gaining, distanced from loved ones, inadvertently.

Life, a constant battle to create, forsaking a heartfelt plea, In the quest for attainment, sacrificing bonds unwittingly. Sorrow looms like a phantom, in this standing pool unable to sway, A life entangled, not truly living, perhaps lost along the way.



Old School Love

BRINDAVANA 2024

VITTALA CHAITHANYA N M

1MV22IC060.

Enamoured, I am captivated by thee, my beloved, Thou art as dear to me as the very essence of my being, In thy presence, everything fades away in my buzzy mind, Thou art the harmonious melody that resonates within my soul, Like the gentlest zephyr caressing the verdant countryside, No hollow reveries, no hollow vows do we exchange, Just thee and I, immersed in the depths of love, from dawn till dusk, Let the darkness linger, for in thy embrace, I find solace, Thou art the tome I shall forever peruse in my solitude, In the symphony of thy lips, time becomes an inconsequential notion, I yearn to traverse the sands of time, sharing laughter in our whimsical exchanges, Hand in hand, let us journey through life's winding path Entwined, our souls forever intertwined in eternal embrace, In love's eternal dance, our hearts beat as one.

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THE BEST PROOF OF LOVE IS TRUST. RESPONSIBILITIES

MARIAM SHUAIB

Troubles of my past Seem to always come to haunt my present. The days when I was naive, Come back to show me that I should have matured the day I understood the world.

Days went by fast, experiences went by fast, My heart did not change the way it felt. Tried going through it alone, but found people to walk along.

Did not know where I went wrong. The person causing problems by existing, Doesn't think of the consequences and keeps moving.

Poems are supposed to rhyme, but When you can't think of a way to be fine; Everything is allowed so go on with your time. Judgemental world gives judgemental answers, People masking their true selves to fit in. Some struggle for family, some struggle just to live. Things have changed since the day I was born. I had responsibilities unknown. Now growing older and a bit more wiser

I will try to be responsible and show the world I can be me with responsibilities.

WITH GREAT POWER COMES GREAT RESPONSIBILITY.

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BRINDAVANA 2024

1MV23BT019









VITTALA CHAITHANYA N M

1MV22IC060.

The world's a circus, hypocrites on display, Tickets sold for ludicrous ideologies at play. Masks of goodness hide faces of sin, In the battle of beliefs, lost eyes within.

Brains and hearts offered for sale, Selling souls at an unfair, bitter tale. Money fuels hate, ignites the rage, Puppet masters revel in the war's stage.

Man, a beast in the shadows stark, Craving the taste of the deathly dark. Black coats blind justice's eyes, Peace sought in killing, a paradox lies.

Humanity, puppet to vengeance's net, Dying like a fish in a petty, cruel bet. Wealth to buy guns, yet hearts stay still, Pockets full, but the poor suffer their fill.





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Solution Combustion Synthesis

A NOVEL BOTTOM-UP APPROACH FOR THE SYNTHESIS OF NOVEL NANOMATERIALS

Dr. Prashanth G. K.

Assoc. Professor & Head Department of Chemistry

BRINDAVANA

2024

Nanomaterials are substances characterized by having at least one dimension between 1 and 100 nanometers, which exhibit unique properties that differ from those of their larger-scale counterparts due to their nanoscale dimension. These properties often include enhanced mechanical strength, increased surface area, unique optical behaviours, and superior chemical reactivity. The distinct characteristics of nanomaterials arise from quantum effects and a high surface-to-volume ratio, making them invaluable in myriads of applications ranging from medicine to electronics and environmental remediation.

There are several methods available for synthesizing nanomaterials, categorized into top-down and bottom-up approaches. Top-down methods involve reducing bulk materials to the nanoscale, utilizing techniques like ball milling and lithography. Ball milling grinds bulk materials into finer particles through mechanical force, while lithography uses light or electron beams to etch nanoscale patterns. Conversely, bottom-up methods assemble nanostructures atom by atom or molecule by molecule. Techniques such as chemical vapor deposition, sol-gel synthesis, solution combustion synthesis (SCS), and hydrothermal synthesis fall under this category.

Out of several available wet chemical methods, SCS is a versatile and efficient chemical process used to produce a wide variety of materials, particularly nanomaterials, ceramics, and catalysts. SCS was accidentally discovered by Prof. K.C. Patil et al. in 1988 at the IISc., Bengaluru. This method utilizes an exothermic redox reaction between an oxidizer, such as metal nitrate which acts as an oxidizer, and a fuel within an aqueous solution. When this solution, containing stoichiometric proportions of the reactants, is rapidly heated, it boils, foams, and ignites, resulting in a voluminous oxide product within minutes. The first ceramic powders synthesized using SCS were alumina and related materials, produced from mixtures of corresponding metal nitrates and urea. Over the years, SCS has evolved into a standardized technique used to create a variety of nanoscale materials—including oxides, metals, alloys, and sulfides—with specific compositions, structures, morphologies, and properties tailored for various applications.

The steps involved in SCS are as follows: Preparation of solution: A homogenous solution is prepared by dissolving a metal nitrate (such as zinc nitrate, copper nitrate, nickel nitrate, barium nitrate etc.,) and a carbonaceous fuel (such as urea, citric acid, glycine, ODH etc.,) in water. The equivalence ratio of an oxidizer and fuel mixture is defined using the elemental stoichiometric coefficient.

- = Σ (Coefficient of oxidizing elements in specific formula) × (Valency)
- (-1) Σ (Coefficient of oxidizing reducing elements in specific formula) × (Valency)

A mixture is said to be stoichiometric when $\phi_c = 1$, fuel lean when $\phi_c > 1$, and fuel rich when $\phi_c < 1$. Stoichiometric mixture produces maximum energy.

CHEMISTRY IS THE STUDY OF TRANSFORMATION.





Heating: The solution is rapidly heated, causing the solvent to evaporate. Combustion reaction: Once a critical temperature is reached, the mixture undergoes a self-sustaining exothermic reaction, resulting in combustion.

Product formation: The reaction yields voluminous and often nanostructured nanoparticles within minutes.

Salient Features

Exothermic reaction: The core of SCS is a highly exothermic redox reaction. Rapid process: The synthesis is completed in a matter of minutes.

Simple setup: Requires basic laboratory equipment such as a furnace.

Versatile: Can produce a wide range of materials including oxides, metals, alloys, ferrites, and sulfides

Nanostructured materials: Often yields high surface area nanomaterials.

High Purity: Produces materials with high purity and controlled stoichiometry.

Environmental benefits: Generates minimal waste and is considered environmentally friendly.

Customization: Material properties can be tailored by adjusting the fuel-to-oxidizer ratio and other reaction parameters.

Advantages

Speed and Efficiency: The quick synthesis process allows for rapid production of materials.

Cost-Effectiveness: The method is cost-effective due to the low cost of raw materials and the simplicity of the required equipment.

High Purity and Quality: Produces high-quality materials with controlled properties.

Environmental Friendliness: The process is environmentally friendly with low waste production.

Versatility: SCS is applicable to a wide range of materials and applications, making it a valuable tool in various fields including catalysis, energy storage, and sensor technology.

Nanostructure Control: The process can create materials with specific nanostructures, beneficial for advanced technological applications

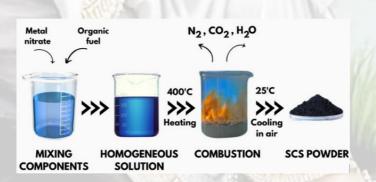
Applications

Catalysts: Due to their high surface area, materials produced via SCS are excellent catalysts.

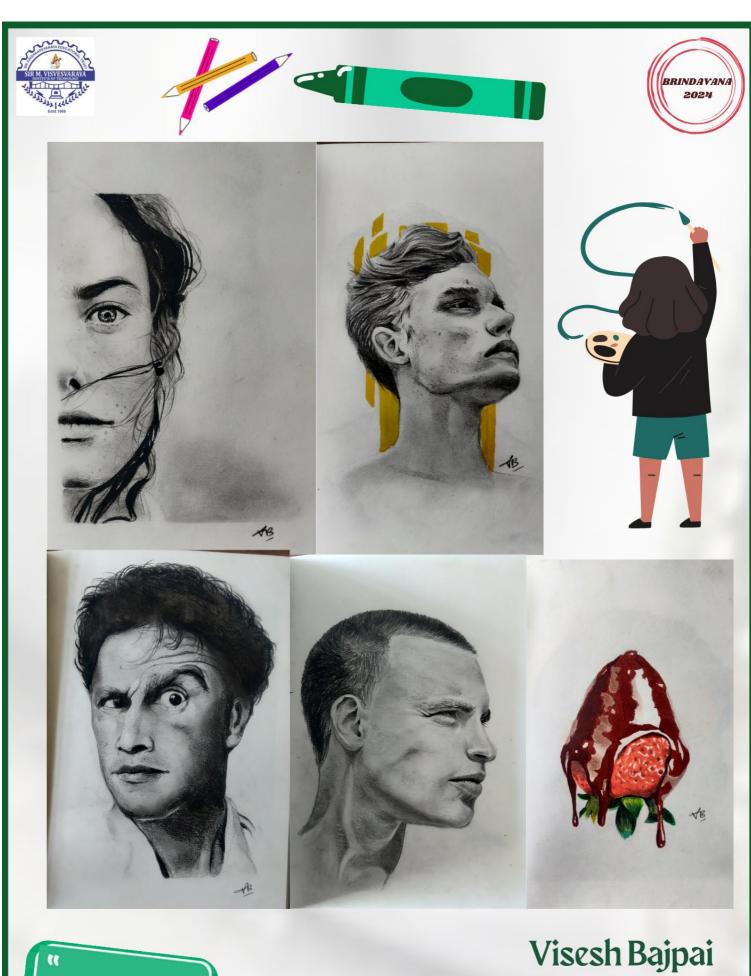
Ceramics: Used to produce ceramic powders for electronics, coatings, and structural materials.

Energy Storage: Nanomaterials synthesized by SCS are used in batteries and supercapacitors for enhanced performance. Sensors: Employed in the creation of gas sensors and other sensing devices. The sensitivity and selectivity of nanomaterials produced by SCS make them suitable for detecting trace amounts of gases and other substances.

In summary, SCS is a powerful and adaptable method for creating advanced materials with specific properties, making it an essential technique in modern materials science. Its discovery and development have paved the way for numerous applications across various fields, highlighting its importance in both research and industry. The method's versatility, simplicity, and efficiency continue to drive innovations in nanomaterials and other advanced materials, promising a future where the capabilities of SCS are further expanded and optimized.



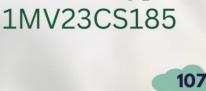
LIFE IS CHEMISTRY; CHEMISTRY IS LIFE



EVERY ARTWORK IS A MASTERPIECE IN PROGRESS.

))





Path of Peace



VITTALA CHAITHANYA N M

IMV22IC060.

In the journey to survive, Life unfolds as a dance between self and the other. Let the earth taste the essence of resilience, Courage, the force to break down gates of despair and bliss, Wounds and scars, silent narrators of strength's tale. I seek not the glory of Macedonian crowns, Nor the might of Mongolian thrones. Time will gift victory's presence, Even deities and demons may plead for clemency. I am the essence of boundless power, Justice, a pawn in the game of vengeance. The ache in my heart ignites flames of transformation, Liberating the souls of foes from their plight. My prowess shall weave the dance of mortality amidst ashes, Feeding vultures with the gaze of cowardice. Immortality adorns me, ego my Excalibur, In pools of blood, the death shall pay its bill I shall command the universe to bow to my will. Immortality in this mortal world would be my fleece I've carved my own path of peace.

PROTECT YOUR PEACE.









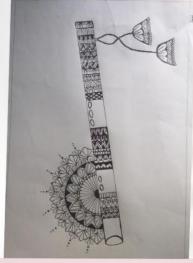
Aditya Kumar



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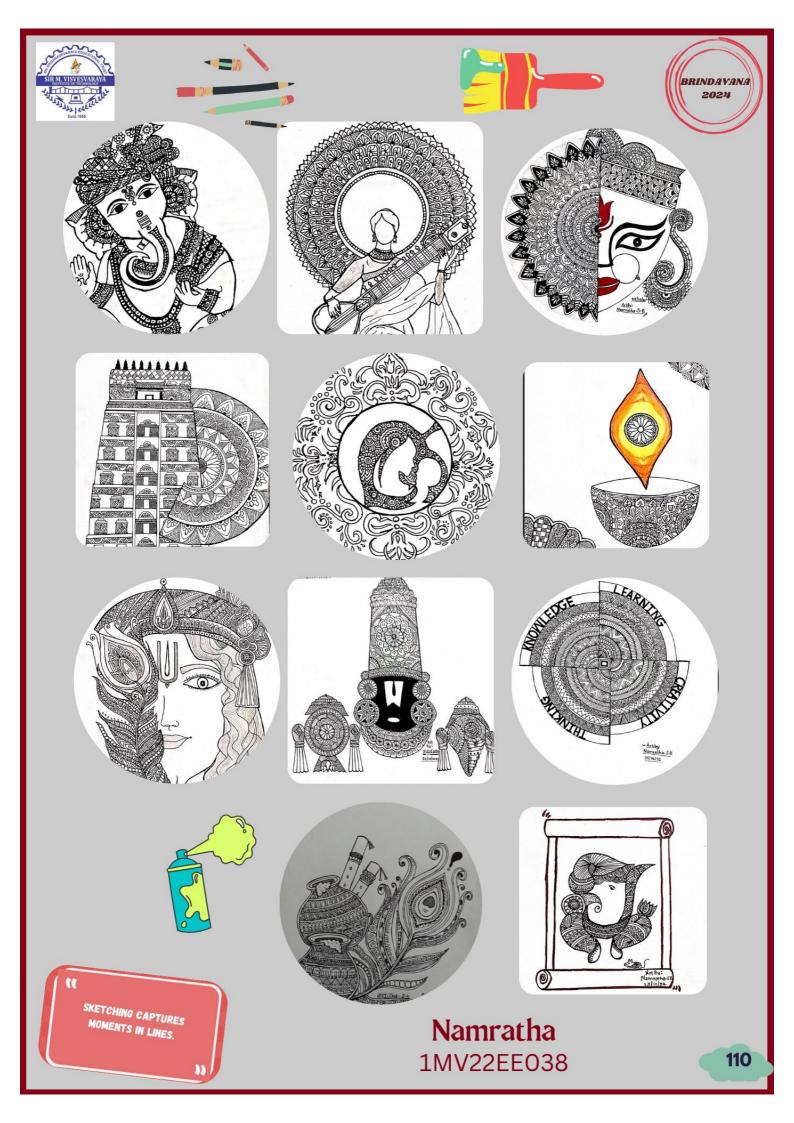






Amrutha V

COLORS ARE THE SMILES OF NATURE.



Aftermath: The Intelligence Explosion

SOUVIK CHAKRABORTY

USN: 1MV23MC046





The race toward AGI is on. So we know that AI can help us create a wonderful future if we manage to find answers to some of the oldest and toughest problems.

To think about the AGI let's first think about "consciousness" first. So what is "consciousness"? Let me tell you it's one of the most controversial topics ever. If we mention this "C-word" to an AI researcher, neuroscientist or psychologist, they may roll their eyes. Many arguments about this "C-word" generate more heat than light because the unaware optimists are talking past each other without knowing that they are using different definitions of the word. Just like "life" and "intelligence". There is no perfect definition of "consciousness". But we can give an overall view that consciousness is more like a subjective experience.

So by that definition, we are conscious also when we are dreaming, even though we lack wakefulness or access to sensory input. Our definition leaves a broad spectrum of possibility that some AI systems may be conscious too, even if they exist merely as software and aren't connected to sensors or any kind of robotic bodies.

To actually get from today to AGI powered world takeover requires three basic logical steps:

- Build human level AGI
- Use the AGI to create superintelligence

- Use or unleash this superintelligence to take over the world

Is it possible that AGI will take over the world? In the short period, no. But over the long period yes. Why? Let's take a metaphor. Looking back to the history of earth, we the modern human i.e., homo sapiens managed to dominate the Earth's other life forms by outsmarting them other than sapiens are outsmarted by the modern human i.e., homo sapiens. So it is plausible that we could be similarly outsmarted by superintelligence, and we'll be as irrelevant as cockroaches.

Now there will be two scenarios

- A first takeoff: the transition from subhuman to vastly superhuman intelligence occurs in a matter of days, not decades.

- A unipolar outcome: the result is a single entity controlling Earth.

There is major controversy about whether these two features are likely or unlikely, and there are plenty of renowned AI researchers and other thinkers on both sides of the debate. But there is an interesting link between the two features, as Nick Bostrom and others have highlighted: a fast takeoff can facilitate a unipolar outcome.



Let's explore one of the scenarios with cyborgs and uploads. A staple of scenarios of science fiction is that humans will merge with machines, either by technologically enhancing biological bodies into cyborgs (short for "cybernetic organisms") or by uploading our minds into machines. An upload as the extreme end of the cyborg spectrum, where the only remaining part of the human is the software

Hollywood cyborgs range from visibly mechanical, such as the Borg from Star Trek, to androids almost indistinguishable from humans, such as the Terminators. Fictional uploads range in intelligence from human-level as in the Black Mirror episode "White Christmas" to clearly superhuman as in the Transcendence. One of the great cyborg proponents Ray Kurzweil argues that the natural continuation of this trend is using nanobots, intelligent biofeedback systems and other technology to replace first our digestive and endocrine systems, our blood and our hearts by the early 2030s, and then move on to upgrading our skeletons, skin, brains and the rest of our bodies during the next two decades. And maybe that cyborgization would go far beyond merely improving our DNA: "a genetically engineered superhuman would be just a second-rate kind of robot, designed under the handicap that its construction can only be by DNA-guided protein synthesis." Further, he argues that we'll do even better by eliminating the human body entirely and uploading minds, creating a whole brain emulation in a software. Such an upload can live in a virtual reality or be embodied in a robot capable of walking, flying, swimming, space-faring or anything else allowed by the laws of physics.

I suspect that there are simpler ways to build human-level thinking machines than the solutions evolution came up with, and even if we one day manage to replicate or upload brains, we'll end up discovering one of those simpler solutions i.e., building a basic AGI first, and soon enough they'll be able to use their intelligent machines to design more optimized, Efficient and intelligent ones. And probably within a certain time they will take over the human kind. And at that time the whole society will be divided into three parts

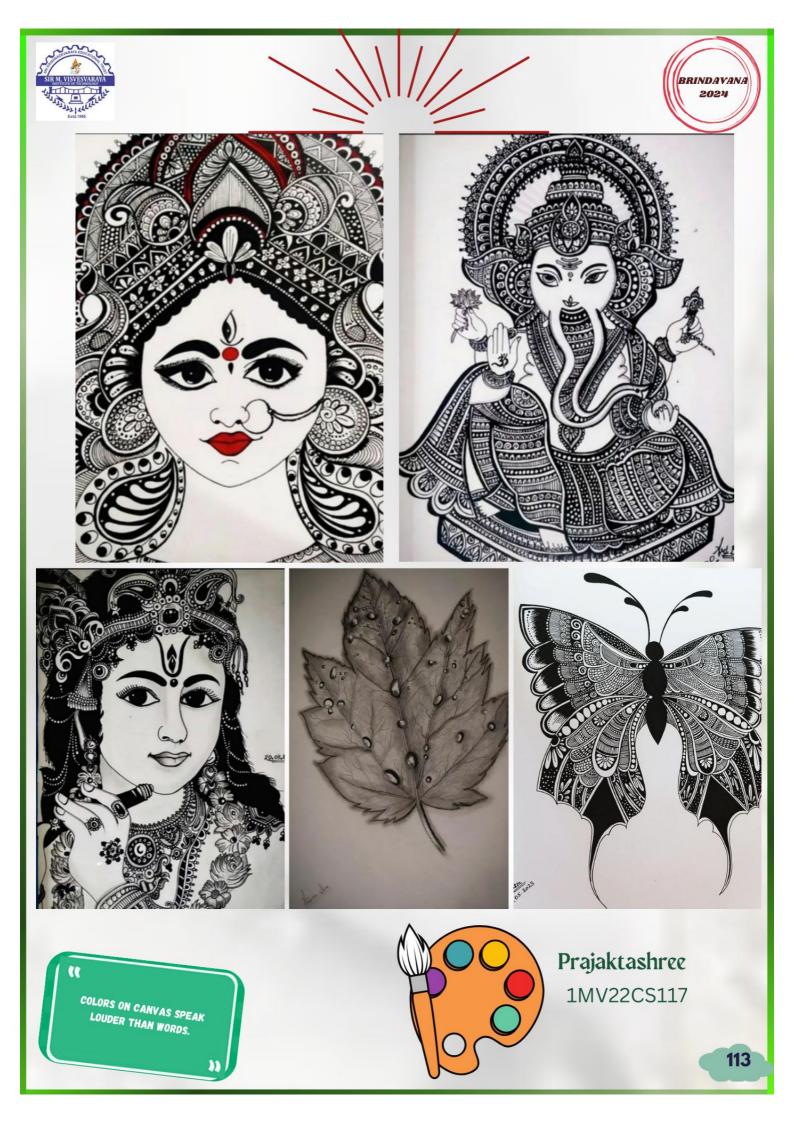
- Machine Zones
- Mixed Zones
- Human Zones

The machine zones are enormous robot controlled factories and computing facilities devoid of biological life, aiming to put every atom to its most efficient use. Although the machines' zones look monotonous and drab from the outside, they are spectacularly alive on the inside, with amazing occurring in virtual worlds while colossal computations unlock secrets of our Universe and develop transformative technologies. Earth hosts many super-intelligent minds that compete and collaborate, and they all inhabit machine zones.

The mixed zones are a wild and idiosyncratic mix of computers, robots, humans and hybrids of all three. And in-the human onl zones, in contrast, machines with human-level intelligence or above are banned, as are technologically enhanced biological organisms.

In conclusion, the aftermath of an intelligence explosion is characterized by significant and multifaceted challenges and opportunities. The way humanity navigates this transformative period will determine whether the outcome is a utopian future enhanced by superintelligent entities or a dystopian reality shaped by misaligned and uncontrolled AI.

UNLOCK YOUR POTENTIAL, ILLUMINATE THE WORLD.



BRINDAVANA 2024

भगत सिंह की शादी

असिस्टेंट प्रोफेसर इलेक्ट्रिकल एंड इलेक्ट्रॉनिक्स इंजीनियरिंग

एक बार हुई थी भगत सिंह की शादी, दुल्हन बनी थी उनकी आजादी, कांटों से था सहरा सजा, कफ़न से था जोड़ा बना।

कुछ और बाराती भी साथ चले थे, कांधे पर अपने डोली रखे थे। लेकिन उस पल भगत सिंह को, समझ नहीं कुछ आया, समय से पहले ही जब उनको मंडप में बुलाया।

जयमाला थी पड़ी गले में मगर दुल्हन नहीं आई, माला भी उसने कड़ियों की थी भिजवाई। हंसकर पहनी माला उसने, थोड़ा नहीं घबराया, फिर धीरे से आज़ादी को अपने पास बुलाया।

जल्दी जाना प्रिये मेरी भारत माँ बहुत दुखी है, आस लगाकर बैठी है वो सच मुच बहुत डरी है। लौट गए बाराती सारे और दुल्हन भी घर आई, लेकिन माँ के उस वीर पुत्र को वहीं छोड़ चली आई।

आगे बढ़कर माँ ने आज़ादी को गले लगाया, लेने तुझे गया था बेटा वापस क्यों नहीं आया? बोली आज़ादी माँ से, अब तुमको सहना होगा, भारत के हर बेटे को ही अपना कहना होगा।

बिलख पड़ी माँ, परिजनों की भी आँखें थी भर आई। हुई बिदाई बेटे की जब, उसको देख ना पाई। ऐसे हुई भगत की शादी, ढोल बजे न शहनाई, आज़ादी हमको दे दी, खुद ने फाँसी खाई।

याद रखो भारतवालो उनकी ये बहादुर कहानी, मरकर भी जो अमर हो गए, वो सच्चे बलिदानी। जब तक सूरज चाँद रहेगा, भगत सिंह का नाम रहेगा।

- 19

बिंदिया त्यागी



11

IF THE DEAF HAVE TO HEAR, THE SOUND HAS TO BE VERY LOUD.

मयोदा पुरुषोत्तम रा

Shubhankar

1MV22CS154

BRINDAVANA 2024

रामाय रामभद्राय रामचंद्राय वेधसे । रघुनाथाय नाथाय सीतायाः पतये नमः ॥

"I BOW DOWN TO LORD RAM, THE VIRTUOUS, THE EMBODIMENT OF BLISS, THE ILLUMINATOR OF RAGHUVANSH, THE SUPREME LORD AND THE HUSBAND OF SITA"

Ram is beyond all the labels and names associated with him. To understand him, one must understand his thought-processing mindset. Ram, who is referred to as Maryada Purushottam, or the ideal man, is an epitome of truth, duty and tharma-Throughout the Ramayan, Ram displays an exceptional conduct that reflects his truthful, dutiful, lawful and righteous personality. His life teaches lessons beyond thoughts and experiences. What made him different from everyone else was his perception, which had a direct effect on his approach and attitude towards life, people and situations.

Ram always looked at the brighter side of things, this quality made him a very positive and optimistic person who would only wish for positivity and goodness for others. He had great awareness about his duty and knew how to address the need of the situation. He possessed the ability to be both emotional and practical in the same situation, which helped him do justice at all times with everyone. He is the perfect example of volunteer-ship, he has always been the first person to stand up for help or take any sort of responsibility for anyone. What also was a standout quality about his personality was his knowledge of dharma and clarity of right and wrong that helped him make the right decisions in all life situations. He always prioritised others above himself and had been a selfless person throughout his life. He treated everyone equally regardless of their social status or background. During Treta Yug, most kings had more than one wife, but Ram chose to marry just one, even when she was gone, he stuck to his word and didn't remarry, he spent the remaining time of his life alone with his kids and her memories. Ram took the smallest of efforts done by others as the biggest and the greatest thing that anyone could ever do for him and reciprocated it in exponential magnitude.

रामो विग्रहवान् धर्मस्साधुस्सत्यपराक्रमः। राजा सर्वस्य लोकस्य देवानां मघवानिव।।

"Lord Rama is a dharma incarnate. He is pious, and his strength resides in truth. He is the king of all worlds, just as Indra is to the gods"

Ram the son, would leave the kingdom and all its luxuries only for your promise to get fulfilled and battle his way with the hardships of a 14-year forest exile. he'll also love you like his biological mother and not have any grudges against you even if you're the reason for his exile and hardships.

Ram the student, was extremely obedient and respectful towards his gurus, their words were orders to him. He didn't think twice after what he was told to do by his gurus and followed no matter what they told him to do. Ram the brother, would defend you in public and correct you in private.

He'd also secretly wish for you to be better than him at everything and be your Armour throughout your life. Ram, the husband would fulfill all your wishes as well as the duties of a husband and would

even reject heaven if its without you. he would travel all the way to Lanka when you get kidnapped,

to get you back and kill the soul that dared to do this. he'll be forced to give up on you by going against his very own conscience, but you'll know in your heart that he had no other option, and he had not just sacrificed you but himself as well, as he loses his partner and his go-to person with whom he experienced the thick and thin of life.

DHARMA (RIGHTEOUSNESS) IS THE FOUNDATION OF EVERYTHING.



Many have questioned his character on what he did with his wife, Sita and still continue to do so under the name of feminism and patriarchy. What they fail to realise is that she was a lot more than a spouse to him, she was a part of him, the same part for which he traveled foreign lands and fought the biggest war of his life. He gave up on her for just one thing, his duty, his dharma. Being the king, it was his responsibility to ensure that all the citizens of Ayodhya were given the right to express themselves. He knew that failing to protect this right of people would pass on the message of bias and selfishness thus leading to a feeling of insecurity among people and lack of faith in their king.

He put his duty above his conscience and sacrificed the love of his life, for his duty. Ram, the king would bear the everlonging pain, and sacrifice the person most precious to him only for the protection of your rights in his kingdom. He'll be devoted and committed to you and your things more than anyone or anything else. He believed in an ideal world, wherein everyone and everything was lawful, and dharma was upheld by everyone and not just a few individuals. His kingdom, the Ram Rajya is the example of this ideal world. He kept all his promises and vows, it was the tradition of his blood, the mighty Raghukul, and he took it a step ahead.

Ram, the friend, would help you out in battling your bad times and get you back on track like he did to the Kishkindha king Sugreev. He'd also break the barriers of social casteism and orthodoxy to put you at equal status by accepting your offerings even when society treats you as someone inferior, like he did for Kevat. His friendship wasn't a normal one, it was a partnership of a lifetime that guaranteed companionship and availability whenever needed regardless of who you were or your background. Ram, the enemy would fight within rules with all his might and once he's defeated you, he wouldn't celebrate his victory, he'd seek knowledge and experience from you, and cry over your passing as if he wasn't an enemy but one of your very own people. Ram, the leader, wouldn't be afraid to fight the strongest and most merciless demons with his 'underestimated' Vanar Sena, he'd accept you even if you were an animal, whom no one would ever rely upon in a war especially.

He'd also grant you the greatest gift of Moksh when you try to help him, like he did to Jatayu who died in Ram's lap after Ravan cut off his wing when he was trying to free Sita and fight Ravan on his Pushpak Viman. Ram, the devotee, pleased Shiva to an extent that he willingly incarnated as Hanuman to devote himself to Ram. Shiva is a Ram Bhakt and meditates on Ram naam, that is, he chants the name of Ram in his meditation. Ram, the Vishnu's incarnation would eat your half-eaten fruits with happy tears in his eyes, understanding the depth of your love and devotion for him. he'd also hesitate to keep his feet over the stone in which Ahilya's soul was trapped only because she was a woman, and none even Sri Vishnu, had the right to put their feet on a woman, but with great hesitation agreed to do so at the end as it was the only way by which she could get liberated from the stone form.

EQUALITY IS THE SOUL OF HUMANITY.



प्राण जाए पर वचन न जाई||

"The custom of Raghukul says that even if you lose your life, you must not break your promise"

Ram is who Krishna refers to as Stithpragya in Bhagyat Geeta. Ram did everything with the mindset that it was either his duty or his responsibility to do so, this mindset helped him in never getting attached to worldly affairs.

Hardships and challenges were the two most common things in his life, and he overcame all of

them while staying on the side of truth and dharma. He lived an extraordinary life in an extraordinary way with extraordinary methods and approaches that got him the title of Shri Ram. These qualities made Ram the person he was and anyone who genuinely tries to follow his path is bound to attain inner peace and stability, for these qualities are the solution to all the worldly problems that we face in the present Kali Yug. I firmly believe, Ram isn't just limited to Ramayana, he's there inside all of us, as our conscience, regardless of who we are, and he guides our soul to the path of truth and dharma. Listen to the Ram inside you. Jai Siyaram.

> राम रामेति रामेति, रमे रामे मनोरमे । सहस्रनाम तत्तुल्यं, रामनाम वरानने ॥

Chanting "Shri Ram Ram Ram", I find happiness in Lord Ram who is vital and attractive with beauty, pleases my heart and whose name is a blessing. His name is equal to one thousand names of Lord Vishnu.

> FORGIVENESS IS THE VIRTUE OF THE STRONG







Sudevi Basu Asst. professor Dept. of Biotechnology





Bindushree HS 1MV21EC026





ART IS THE PUREST FORM OF EXPRESSION.

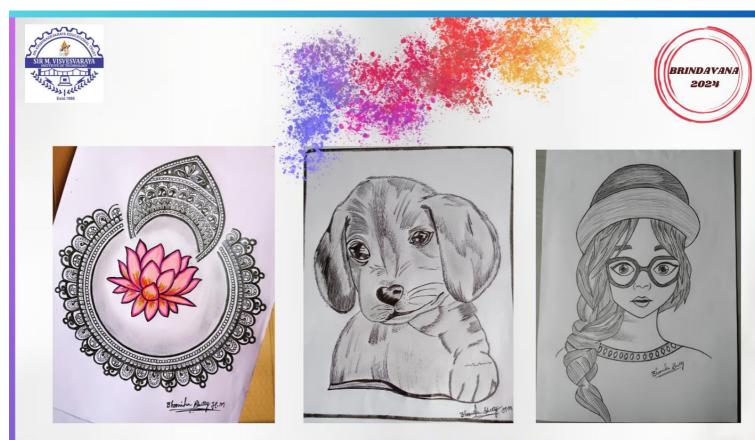
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Harshavardhan S Naik 1MV23CV404









Bhoomika HM 1MV22EC027





Isha Sinha 1MV22ISO41

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IN THE WORLD OF SKETCHES, EVERY LINE IS A JOURNEY.













OIL

Sudeep R K 1MV22CV009 BRINDAVANA 2024





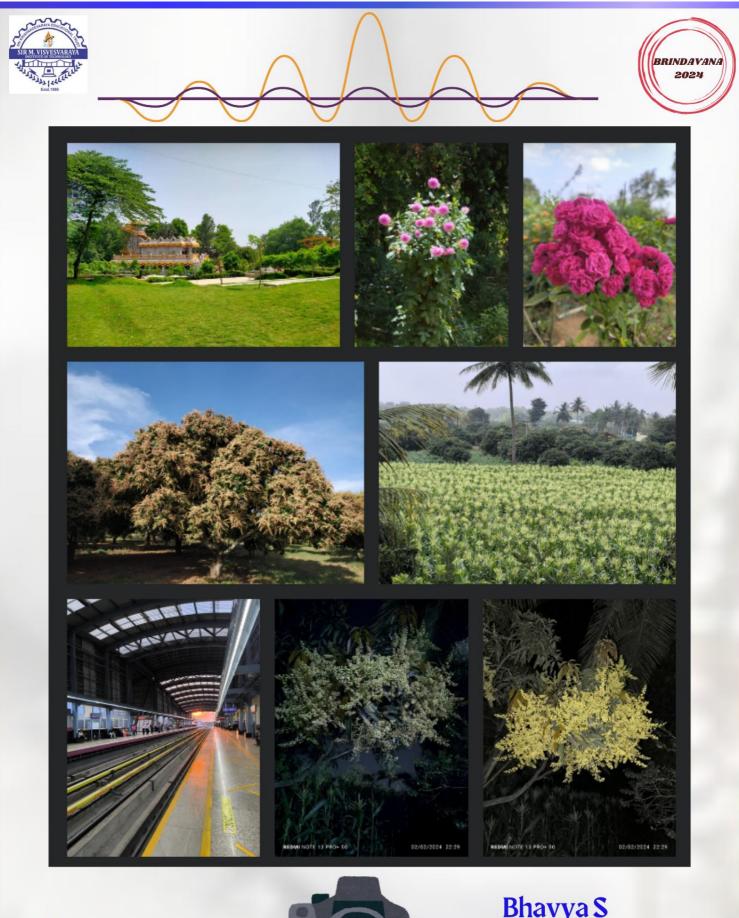
PHOTOGRAPHY IS THE ART OF CAPTURING LIGHT AND SHADOW IN A MOMENT.

33

Srejoni Sarkar 1MV23IS106

123

23/11/2023 15:03



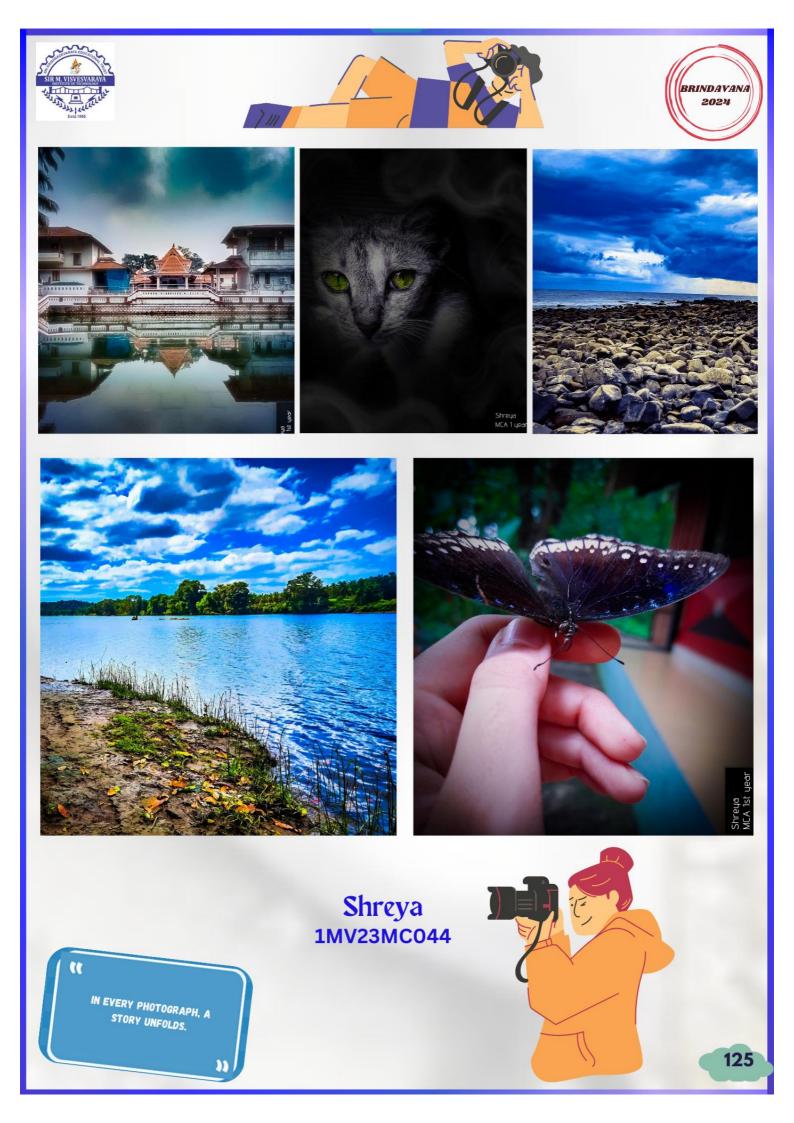
THROUGH THE LENS, WE SEE THE WORLD WITH A DIFFERENT CLARITY.

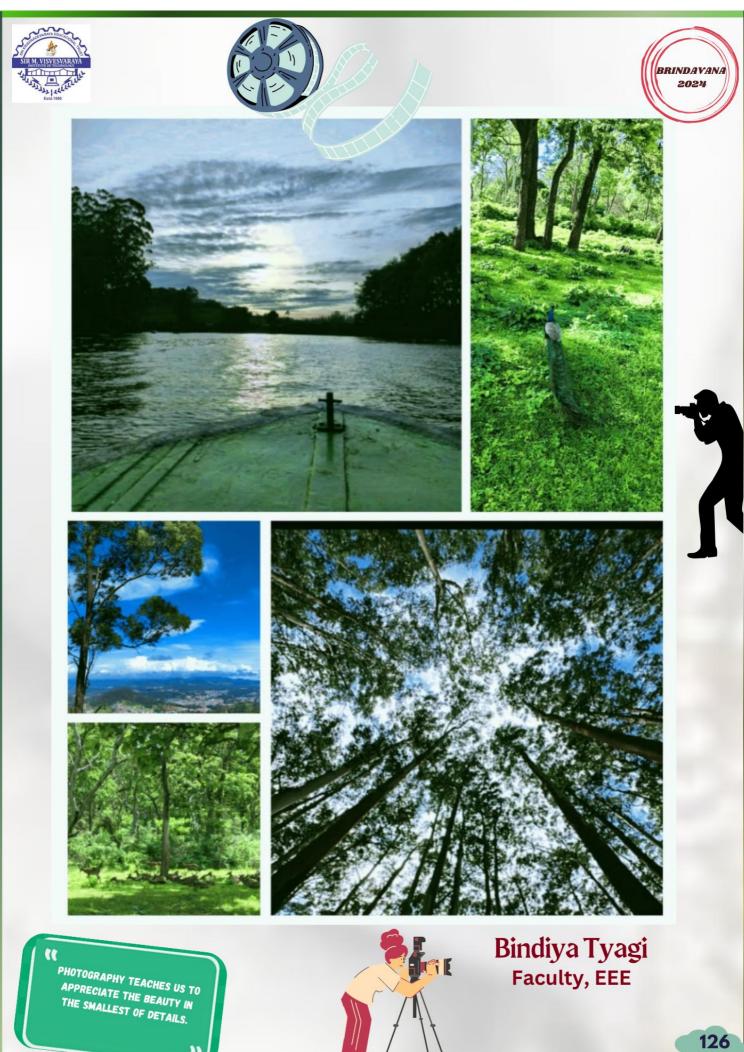
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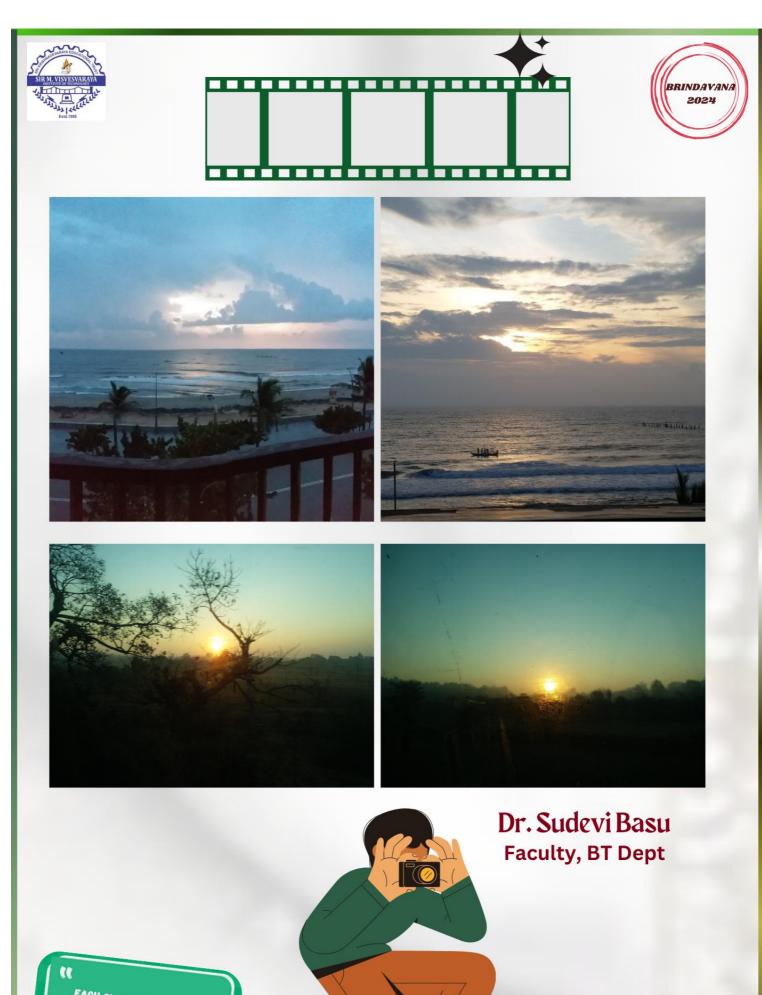
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Bhavya S Faculty, CV Dept







EACH CLICK IS A STEP CLOSER TO MASTERING THE ART OF VISUAL STORYTELLING.





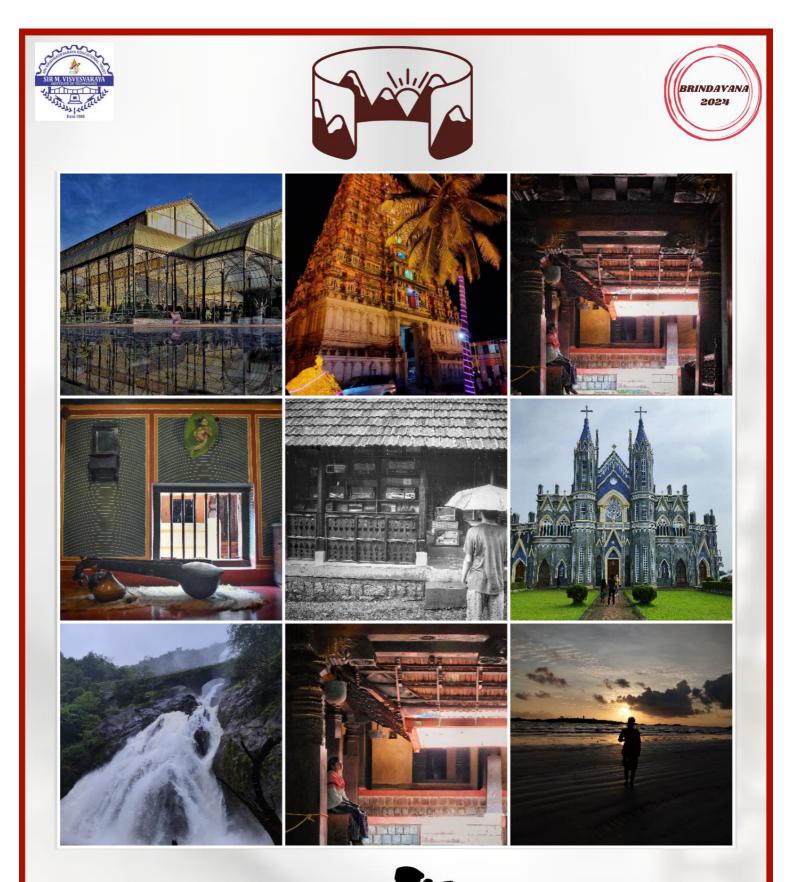
IT IS WISE TO LEARN, IT IS GOD-LIKE TO CREATE.

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Ms Sta

Ms. Rekha Staff CV Dept

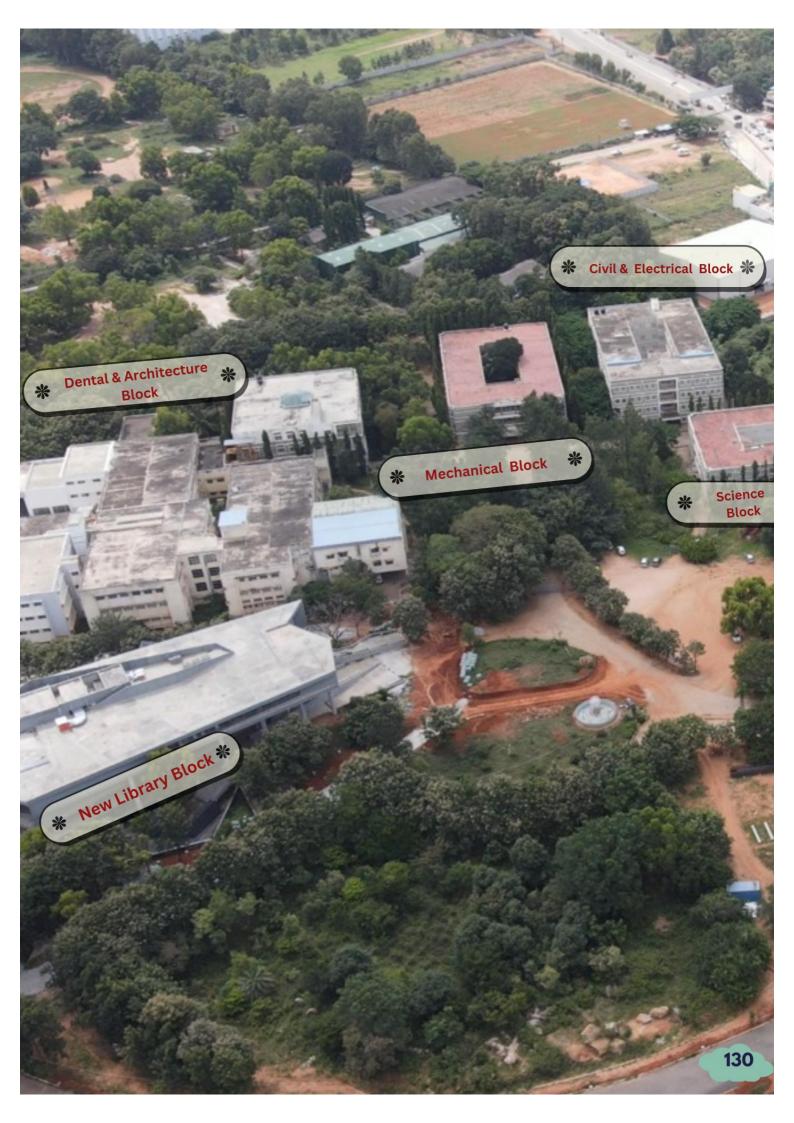


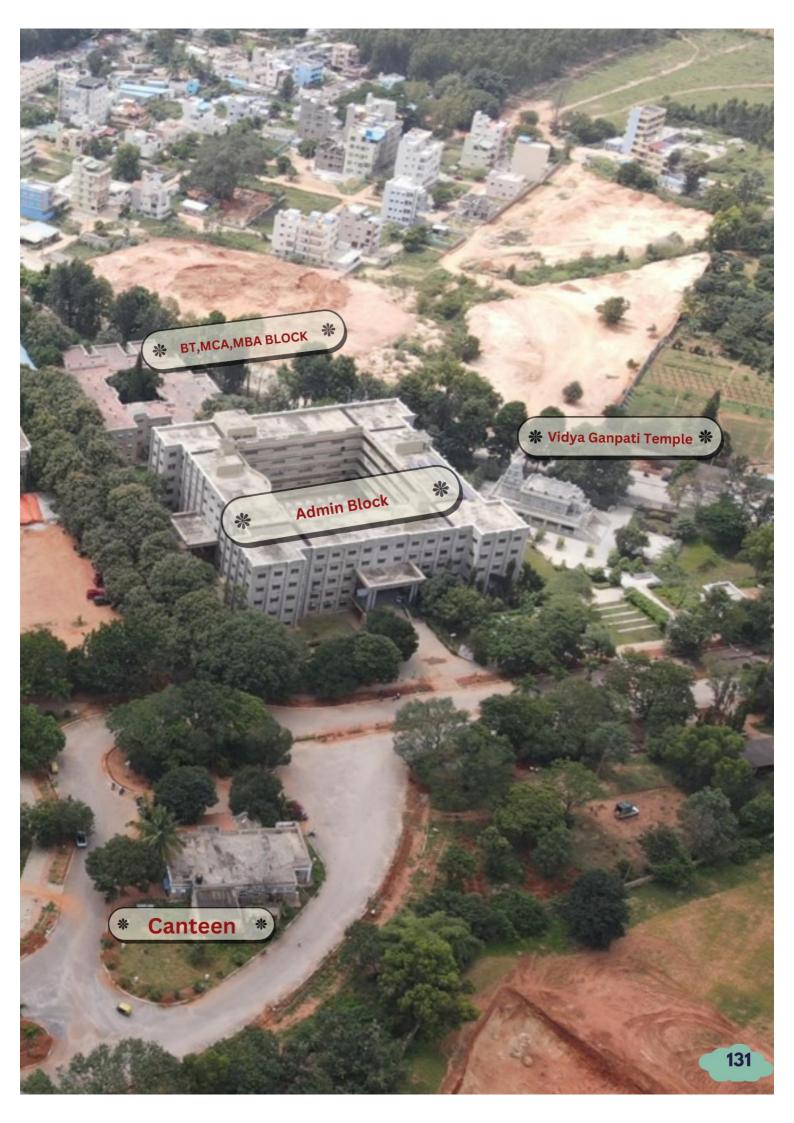
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BEHIND EVERY GREAT PHOTOGRAPH IS A PASSIONATE PHOTOGRAPHER.

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Shreelakshmi Bhat 1MV23MC043







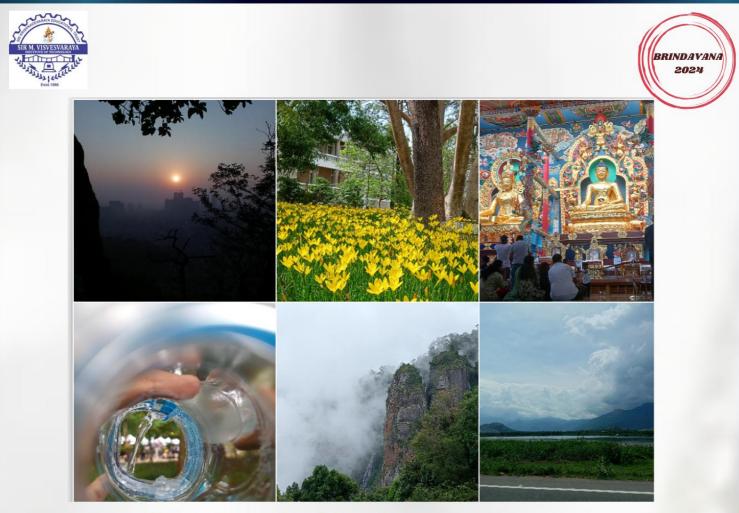


A PICTURE IS WORTH A THOUSAND EMOTIONS.

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Sanjith Kumar Malah 1MV22EC098



Karen Francina Morais 1MV21BT004



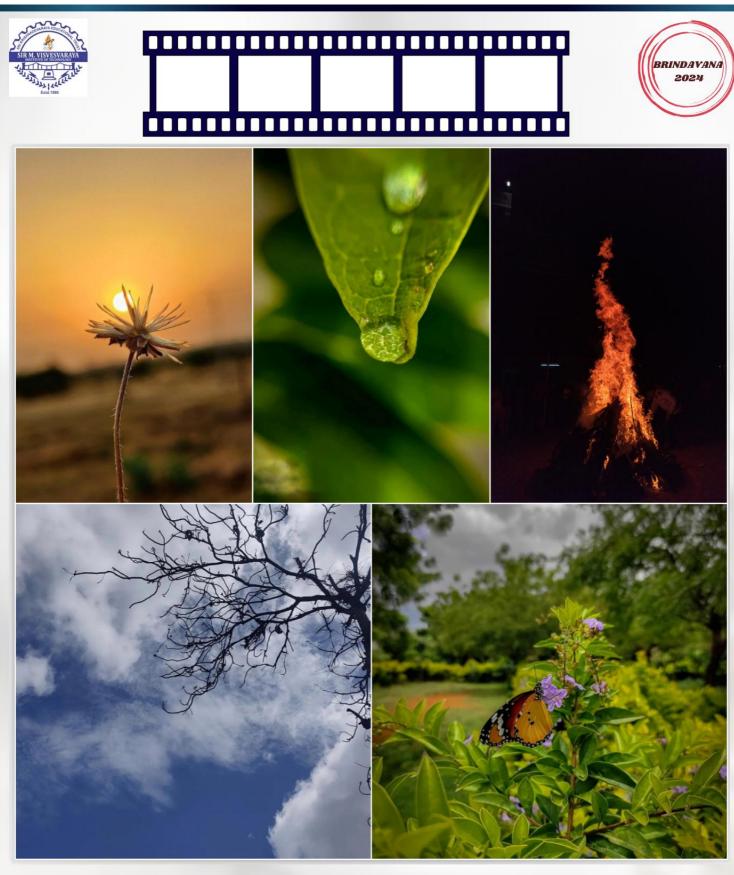
Sagarika 1MV22CV005

WITH EVERY SHOT, WE DISCOVER NEW PERSPECTIVES.

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Kiran Kumar 1MV23CV406 Pruthvika Reddy 1MV22ET042

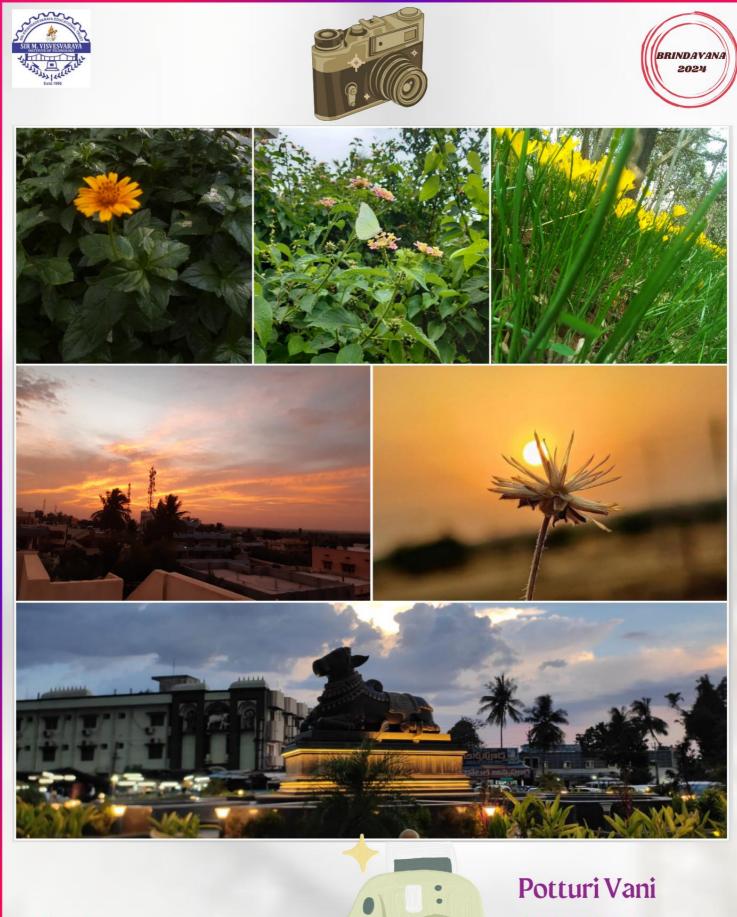


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PHOTOGRAPHY TURNS ORDINARY MOMENTS INTO EXTRAORDINARY MEMORIES.



Chandana Patil 1MV23MC014



CAPTURING MOMENTS THAT TAKE YOUR BREATH AWAY.

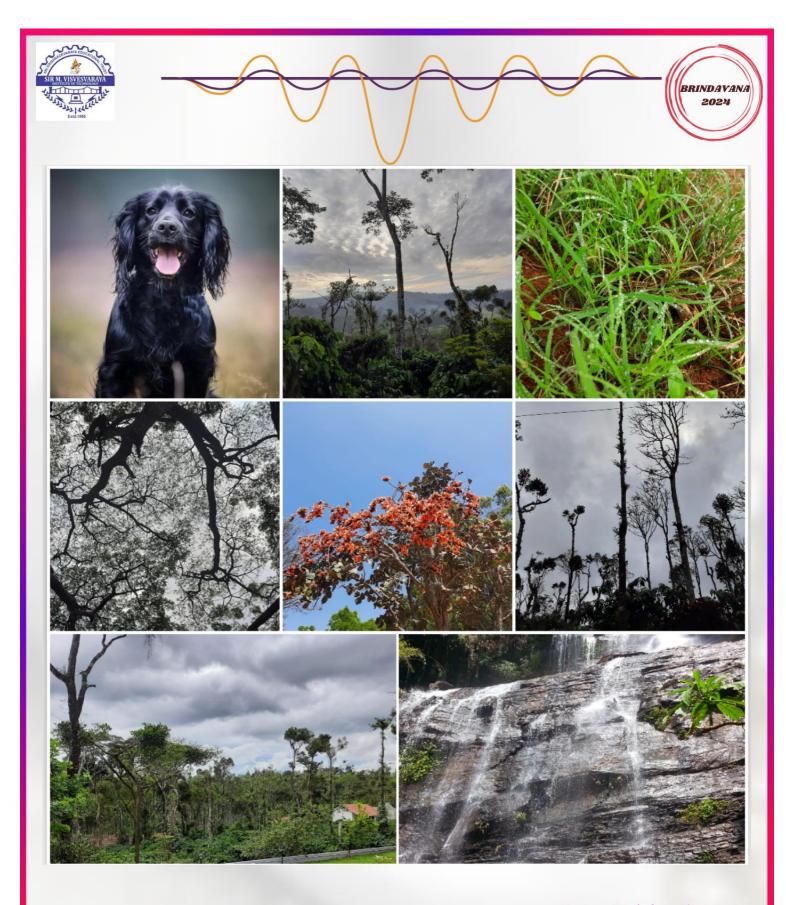
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1MV23IC040





Ms. Subhadra Faculty, CV Dept

PHOTOGRAPHY: WHERE SCIENCE MEETS ART AND TECHNOLOGY MEETS CREATIVITY.



In the realm of engineering, Indra Dev epitomizes power, innovation, leadership, adaptability, precision, and alignment with nature. As a symbol, it underscores the significant responsibility engineers bear in molding our world toward <u>J</u>: greater prosperity and harmony.





Photo Gallery















Editorial Team - Brindavana 2024



Susamskriti Core Team

"

ALONE WE CAN DO SO LITTLE, TOGETHER WE CAN DO SO MUCH.



Basketball Men's Team



Taekwondo Team





Kabaddi Women's Team



Badminton Team



11



Basketball Women's Team



Football Men's Team

TEAMWORK MAKES THE DREAM WORK,

22







Chess Team



Kho-Kho Women's Team



1







Susamskriti Team



Kalakaustubha Team

"MANY HANDS MAKE LIGHT WORK."

22

"





BRINDAVANA

2024





Sutantra Team



Administrative Assistance Team





TEAM VP!

BRINDAVANA

2024



Kabaddi Men's Team



Cricket Men's Team





BRINDAVANA

2024





Volley Ball Men's team



Throw Ball Men's Team





Tvastar, also known as the divine craftsman, is a Vedic deity associated with metalworking, carpentry, and craftsmanship. He is credited with creating various celestial objects, including the Vajra (thunderbolt weapon) and the chariot of the sun God,

Surya.





Video Gallery





Aarambh-2023 @ Sir MVIT-The freshers day Program- It's a new Beginning

"Aarambh - 2023", the inaugural ceremony of the first-year BE (Bachelor of Engineering) classes for the 2023 admission batch was held on 22nd September 2023. This event was a grand celebration of both academic achievements and cultural diversity. The Chief Guest of the ceremony was Dr. Shalini Rajaneesh, IAS, Additional Chief and Development Commissioner. Secretary Government of Karnataka. The event was presided over by Sri K.V. Sekhar Raju, Vice President, Sri KET. Many other dignitaries from Sri KET graced the occasion, including, Sri K. Syama Raju, Secretary, Sri V. Srinivasa Raju, Founder Trustee and Sri N. G. Raju, Trustee.

Dr. Nambi Narayanan Sir @MVIT (An Inspiring Interactive Session with Dr. Nambi Narayanan)

https://Aarambh-2023.in

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

акамвн -2023"

Click here

Sir MVIT hosted an unforgettable event on 17th July 2023, featuring an exclusive Interactive Session with the renowned Padma Bhushan awardee, Shri Nambi Narayanan. The event at aimed to providing attendees with a unique opportunity to gain insights into the extraordinary journey and contributions of Shri Nambi Narayanan as a Former Aerospace Scientist at ISRO and his pivotal role as the Father of Indian Cryogenics.

11



IN COLLEGE EVENTS, EVERY MOMENT IS A NEW OPPORTUNITY.





Karthika Deepotsava "Na hi jñānena sadŗiśhaṁ pavitramiha vidyate"

Karthika Deepotsava was celebrated at Sir MVIT on November 22, 2023, transforming the entire college campus into a glow with the radiance of around 12,000 divas. The preparations for the event began in the afternoon, where many enthusiastic students and staff members were actively involved in setting up the lamps and decorating the floors with attractive rangolis. The event commenced with an auspicious pooja at the Sri Vidya Ganapathi temple, and the festivities unfolded with the ceremonial illumination of lamps throughout the campus. The event was witnessed by Sri V. Srinivasa Raju, the Founder Trustee of Sri KET. A standout moment of the celebration was the students' exquisite creation-an aweinspiring depiction of Sir M. Visvesvaraya's portrait outlined with radiant lamps. The campus glowed with captivating radiance, embodying the spirit of unity and festivity.

BRINDAVANA 2024

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159

<u>https://deepotsava.in</u>

Click here



COLLEGE EVENTS: WHERE DIVERSITY MEETS UNITY. Children's Day_Sir MVIT "Yad bhavam tad bhavati,"

Sir MVIT celebrated Children's Day on November 18, 2023, with the enthusiastic participation of approximately 25 children of the Institute's employees. These children took part in various activities during the celebrations, showcasing their talents through singing, dancing, mono acting, skits, fancy dress and musical performances. Additionally, a captivating magic show was organized, thoroughly enjoyed by all the attending children. As a token of appreciation, the Principal presented gift hampers to all the children who actively participated in the event, adding to the joyous occasion.

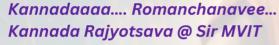




VERVE- 2023 A Cultural Extravaganza @ Sir MVIT

The annual intra-college talent hunt fest, VERVE 2023, was conducted on *4th November 2023*, showcasing the skills and creativity of students under the aegis of Susamskriti, the Cultural Forum. The event comprised a lineup of 22 competitions spanning diverse domains like music, dance, theatre, fine arts and literary pursuits. This celebratory day was also marked as Ethnic Day, adding cultural depth and vibrancy to the festivities. The event witnessed an impressive turnout, with around 400 enthusiastic students displaying their diverse talents across a multitude of competitions.

https://KannadaRajyotsava.in



https://verve-2023.in

Click here

The 50th Kannada Raivotsava was celebrated at institute on 1st November 2023. The festivities commenced with the flag hoisting ceremony, followed by the rendition of the state anthem. The Principal, staff and students paid homage to the portrait of Goddess Bhuvaneshwari. This was followed by Karnataka's special folk performances such as Dollu Kunitha and Veeragase. As part of the celebrations, a cultural program was presented by the students of Hongirana, the Kannada club. On this occasion the campus was beautifully decorated with red & yellow colors. The Kannada Rajyotsava at the institute was not only a commemoration of Karnataka's glorious history but also a testament to the cultural diversity that make the state truly unique.

> THE PULSE OF CAMPUS LIFE BEATS STRONGEST DURING COLLEGE EVENTS.

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Vasudhaiva Kutumbakam "The Joy of Giving"

To extend the gratitude towards supporting staff of Sir MVIT, the institute had organized "The Joy of Giving" event on *5th January 2024*. The event was coordinated by Spandana-the social outreach club. A total of Rs. 94,550 was collected through generous contributions from faculty members, staff and students.



Click here

BRINDAVANA 2024

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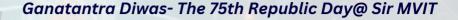
Suggi Kaala Bantu- Makara Sankranti @ Sir MVIT

Sir MVIT celebrated Makara Sankranti on 19th January 2024. The preparations began two days prior to the event, with students making all necessary arrangements and decorating the entire quadrangle in the admin block, creating a vibrant festive atmosphere with colorful rangoli and kites. Arrangements for cooking pongal were made with a wood stove and decorated pots. Pongal was cooked by faculty members and distributed to all attendees. A bullock cart was brought in to create the village festival ambiance of the celebrations. Students and faculty members performed folk songs and dances and enjoyed rides on the bullock cart. Pongal prasadam and ellu bella were distributed to all the participants.









Sir MVIT celebrated the 75th Republic Day on 26th January 2024. The program commenced with a Parade and March Past by students of Sir MVIT, led by Shashidhar of Semester 7, EEE branch, followed by the unfurling of the National flag by Principal Prof. Rakesh S. G., and the National Anthem. Ms. Sneha S., Semester 5, BT, delivered the Republic Day speech. A cultural program by students was organized from 10:30 AM to 11:45 AM in the CSE Seminar Hall. Students from Sunaada-the music club of Sir MVIT, sang patriotic songs. Skits on patriotic themes were performed in Kannada and Hindi, by the students of Hongirana, the Kannada club and Rangataranga, the theatre club of Sir MVIT.

Graduation Day-2024 @ Sir MVIT- Graduation cum Farewell Day Celebration

https://RepublicDay-mvit.in

Click here

The Graduation Day for the BE 2020-2024 batch was celebrated on *April 19, 2024*, on a mega scale. Hon. Justice N.S. Sanjay Gowda of the High Court of Karnataka was the Chief Guest, and Dr. Sudhir Kamath, Director of the Defence Industry Academia Raman Centre of Excellence at the Indian Institute of Science, was the Guest of Honor. The event was presided over by Dr. A.C. Chandrashekhar Raju, President of Sri KET. Distinguished office bearers from Sri KET, including Vice-President Sri K.V. Sekhar Raju, Secretary Sri K. Syama Raju, founder trustees Sri K. Narayana Raju and Sri V. Srinivasa Raju, and trustee Sri N.G. Raju, honoured the occasion with their presence.

> CELEBRATE DIVERSITY AND CHERISH COMMUNITY.



SIR M. VISVESVARAMA



Donate Blood-Save Life: The Blood Donation Drive @ Sir MVIT

Spandana -The social outreach club of Sir MVIT, organized "The Blood Donation Drive", on *21st July 2023*, in collaboration with NSS, Sir MVIT chapter and Youth Red Cross Wing, Sir MVIT. Students, faculty & staff members actively took part in the blood donation drive and a total of190 units of blood was collected.

https://sammilana-20

Sammilana-2023-The Global Alumni Meet

Click here

https://blood-donation.in

Alumni Association of Sir MVIT organized the first ever Annual Global Alumni Meet Sammilana-2023, on 12th August 2023. A total of 918 alumni pre-registered for the event, with 753 opting for in-person attendance and 165 choosing virtual participation. Notably, 650 alumni graced the event physically, making it a grand reunion. For those participating online, the event was live-streamed on the institute's YouTube channel. The formal alumni meet 5:45 function commenced at **PM** and featured distinguished guests. The event was presided over by Dr. A. C. Chandrasekhar Raju, President, Sri KET. The event was graced by the presence of several dignitaries from Sri KET, including Sri K.V. Sekhar Raju, Vice President; Sri K. Syama Raju, Secretary; Sri K. Muniswamy Raju, Founder Trustee, Sri V. Srinivasa Raju, Founder Trustee; Sri N. G. Raju, Trustee. Dr. G. Jagadeesh, Professor, Department of Aerospace Engineering, IISc, was the Chief Guest. Dr. M. Dhanamjaya Raju, Vice Chancellor, Reva University was the **Guest of Honor.**

BRIDGING CLASSROOMS WITH REAL-WORLD CONNECTIONS.



"Sambhrama" - The College Day

The College Day Celebrations 24th June 2023. Sri Dinesh Gundu Rao, Hon'ble Minister for Health and Family Welfare, Govt. of Karnataka was the Chief Guest for the programme. Dr. A.C. Chandrashekar Raju, President, Sri KET presided over the function. The event was graced by the presence of several dignitaries from Sri KET, including Sri K.V. Sekhar Raju, Vice President; Sri K. Syama Raju, Secretary; Sri M. Venkataramana Raju, Treasurer; Sri L.K. Raju, Founder Trustee; Sri K. Muniswamy Raju, Founder Trustee; Sri V. Srinivasa Raju, Founder Trustee; Sri N.G. Raju, Trustee; and Sri V. Chandrashekhar, Trustee. Principal Prof. Rakesh S. G. presented the annual report for Academic Year 2022-23, highlighting the achievements and accomplishments of the faculty and staff members. Faculty members were recognized and rewarded for their outstanding contributions, including research paper publications, patents, and funded projects.

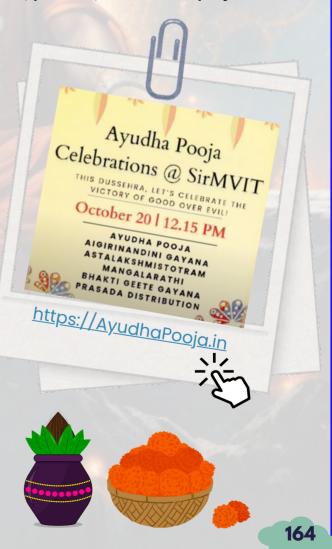
Ayudha Pooja @ Sir MVIT

https://Sambhrama.in

Click here

On the auspicious occasion of Ayudha Pooja, the Institute witnessed a vibrant and memorable celebration on 20th October 2023. Faculty members, staff and students enthusiastically participated in the event by singing bhajans, keerthans and reciting shlokas. After the pooja, prasadam was distributed to all attendees. The celebration was unique as it was for the first time organized at the institutional level where representative items like instruments, computers, laboratory tools and books from all the departments were kept together and pooja was performed. This initiative not only highlighted the importance of each department's contributions but also symbolized the unity of knowledge and tools in the pursuit of academic excellence. The event brought together the entire institute community together fostering a sense of unity and spiritual enthusiasm.









Inauguration of New Library Block @ Sir MVIT

The inauguration of the new library block on the campus took place on Thursday, the 28th March 2024. As part of the event, a pooja ceremony was organized on March 27th and 28th, 2024. The inaugural event was attended by the esteemed office bearers from Sri KET, President, Dr. A.C. Chandrashekhar Raju, Vice-President, Sri K.V. Sekhar Raju, Secretary, Sri K. Syama Raju and Academic Committee Chairman, Sri G. Prabhakar Raju and other trustees of Sri KET. Principal of Sir MVIT, Prof. Rakesh S.G., Principal of KCDS, Sri Ponnanna, faculty and staff members of Sir MVIT, KCDS, and SMVSA also took part in the inaugural event.

Ayodhya Ram Mandir Prana Pratishtha Celebrations @ Sir MVIT

https://newLibraryBlock.in

Click here

The Ayodhya Ram Mandir Prana Pratishtha event was celebrated at Sir MVIT on 22nd January 2024, in the quadrangle of the admin block. The celebration commenced with a pooja at the Sri Vidya Ganapathi Temple on the campus. Students and faculty members performed bhajans, devotional songs and Bharathanatyam dance, describing the virtues of Lord Sri Rama. A live telecast of the Prana Pratishtha ceremony of Sri Bala Rama at the Ayodhya temple was arranged in the CSE seminar hall, providing an opportunity for all devotees to witness the event live. Prasadam was distributed to all participants.



https://PranaPratishtha.in

LET TODAY BE THE START OF SOMETHING NEW





Click here

Sri Rama Navami Celebrations @ Sir MVIT

Sir MVIT celebrated Sri Rama Navami on 17th April 2024. The entire college united once again to celebrate the victory of good over evil. On this auspicious occasion, a special pooja was performed for the Swayambhu Deities on campus. The pooja commenced with Nagara Sankeerthanam from the Vidya Ganapathi temple premises, proceeding through the campus to the venue. Then, ashtotharam and maha mangalaarthi were offered to Lord Sita Lakshmana Hanuma Sametha Sree Rama in the presence of the Principal. Faculty members recited Rama keeerthans and mangalaasasanam. The entire route was decorated by student volunteers with saffron festoons to enhance the significance of the event. Prasadam was distributed to all the attendees.

Kalanjali 2023 @ Sir MVIT

'Kalanjali' - Inter-College Cultural Festival, held at Sir M Visvesvarayya Institute of Technology. International Airport Road, Bengaluru, showcasing a vibrant array of cultural performances from more than 35 colleges across the Bengaluru. The festival is taking place from December 15th to December 16th, 2023. The inaugural ceremony commenced with the state anthem and the traditional lighting of the lamp. Distinguished guests graced the occasion, including Mrs. B.R. Chaya, Mrs. Pooja Gandhi, and Mrs. Samanvita Sharma. BR Chaya entertained the gathering with her sweet voice, by singing a couple of songs from her movies. Pooja Gandhi in her speech talked about her experience as an actor, and how she learned Kannada right from the beginning of her career. Students and the audience were thrilled by her usage of Kannada words and her immense love for Kannada language. Later Samanvitha Sharma, a prominent playback singer, shared her experience and explained how she switched her profession from Engineer to singer. Srinivasa Raju in his speech emphasised the need for such programs in engineering colleges as it humanises the engineers through culture. Along with the guests. Principal of SIR MVIT college, Professor Rakesh S.G., A.C. Chandrashekar Raju, Secretary of Krishnadevararaya Education Trust, K.V. Shekhar Raju, K . Shyamaraj, Venkataramana Raju, Dr.Uma, K.V.R. Prasad were present at the dias. The chief guest for the event was Mr. Abhishek Kumar, an alumnus of the college and one of the contestants of the popular music reality show 'Indian Idol'. Mr. Kumar conducted an engaging concert, adding a dynamic and entertaining element to the cultural festivities. More than 37 events were organised by the college. Each event was filled with enthusiastic participants. There was great enthusiasm among the students and they were looking highly spirited.



<u>https://Kalanjali.in</u>



https://teacher'sDay.in Click here

Teachers' Day Celebrations

September 2023

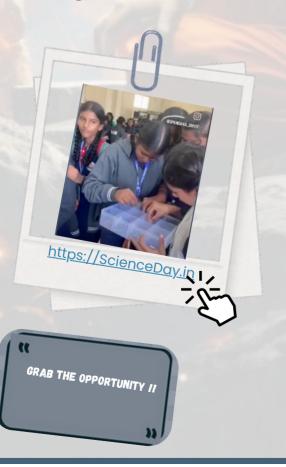
Teacher's Day 2023 @ Sir MVIT

The institute celebrated Teachers' Day on 5th of September 2023 to commemorate the birth anniversary of the former Indian President, the Late Dr. S. Radhakrishnan. The occasion was marked by a series of delightful events and activities that brought together the entire college community in a spirit of gratitude and camaraderie. In the forenoon session, from 11 AM to 1 PM, a series of fun games were organized for all the faculty members and staff at the indoor games complex which were coordinated by student volunteers. Many HoDs, faculty members and staff including the Principal actively took part in these fun games.

Thanksgiving Lunch by the Management_Sir MVIT

The Management of Sir M. Visvesvaraya Institute of Technology hosted a special Thanksgiving Lunch on 22nd July 2023 for all the faculty and staff at Hotel Radisson Blu Atria, Bengaluru. Office-barers and trustees of Sri Krishnadevaraya Educational Trust joined the gathering and thanked the faculty and staff members for their unwavering dedication and commitment to the institution.





National Science Day Celebrations_Sir MVIT 2024

The National Science Day was celebrated on 28th February 2024, to commemorate the "Discovery of Raman Effect" under the aegis of "Avishkara-the Science Forum" in association with "Spandana-the Social Outreach Club" of Sir MVIT. The chief guest for the occasion was Sri C. D. Prasad, Former Scientist of ISRO. High school students from Sai Vidya Mandir, Bettahalsur were invited for the occasion. 80 students along with two teachers attended the event. The chief guest addressed the gathering on "The Methods used for Launching Rockets". He also interacted with the school students and answered their queries related to Rocket Science. A video of launching the rocket was shown to students. Innovative projects done by UG and PG students were exhibited to school students. They were taken for lab visits to BT and ECE departments. Quiz contest was held for school students and winners were gifted with prizes. All the students were presented with stationary items as return gifts.



God Vishwakarma, the divine architect, is intricately linked to engineering field as the celestial builder, Vishwakarma embodies the essence of structural design and construction engineering. His mastery over craftsmanship parallels the precision and expertise required in mechanical and industrial engineering. Vishwakarma's creative prowess symbolizes innovation and ingenuity, essential traits in all branches of engineering.





CLUB REPORTS





Indian Concrete Institute, Student Chapter



Faculty Mentor: Ms. Ramya N., Assistant Professor, Dept of Civil Engg. Secretary: Sai Aishwarya Reddy N, 1MV21CV005 Joint Secretary: Puneet Gowda D. L., 1MV21CV008 Co-ordinator: Vishwas Gowda L.M., 1MV22CV015 and Dhanushree S., Diploma

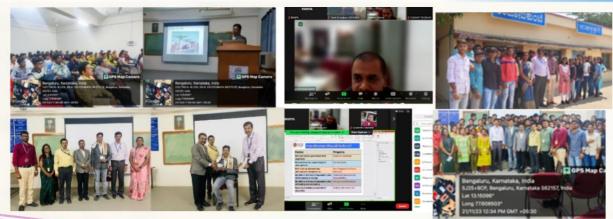




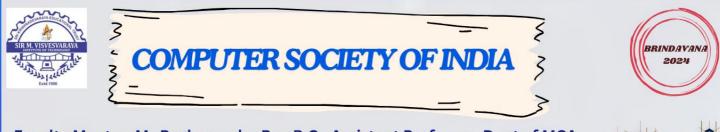


The collaboration between the ICI and the Department of Civil Engineering has facilitated a series of seminars, workshops, and field visits aimed at enriching Students understanding of industry dynamics and cutting-edge technologies.

A webinar titled "Road Construction and the Use of Bitumen in Infrastructure" was conducted, providing valuable insights. Additionally, third-semester Civil Engineering students visited Rajanukunte Railway Station for practical exposure to transportation infrastructure. A two-day Student Development Program (SDP) on Land Survey using Total Station equipped students with essential skills. Furthermore, a one-day Training Program on Differential Global Positioning System (DGPS) offered hands-on experience. Another significant event was "Latest Developments in Bridge Engineering," focusing on multidisciplinary aspects of infrastructure and webinar "Sustainable Cities with ESG Impact" emphasized stakeholder-centric business approaches and sustainability practices. These programs collectively provide students with a comprehensive understanding of realworld applications in civil engineering, preparing them for future challenges in the industry. By offering practical experience and exposure to cutting-edge technologies, students are better equipped to contribute effectively to the field and drive innovation in the future.



EDUCATION IS THE MOST POWERFUL WEAPON WHICH YOU CAN USE TO CHANGE THE WORLD.



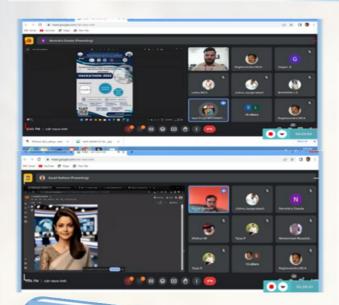
Faculty Mentor: Mr.Raghavendra Rao B.G., Assistant Professor, Dept of MCA Secretary: Tejas R., 1MV22MC054 Joint Secretary: Narendra Gowda, 1MV22MC031 Co-ordinator: Bhuvana L. D., 1MV22MC008 and Umashree. H.A., 1MV21MC058

"2-Day SDP on "Emerging Trends in IOT & React JS Applications"

The department organized a 2-Day SDP on "Emerging Trends in IOT & React JS Applications" on 9th and 10th February 2024. The resource persons of the event were Dr. Nirmala Hiremani, Assistant Professor, Visvesvaraya Technological University - PG centre, Muddenahalli and Mr. Karthik Ramesh, Team Lead, Capgemini, Bengaluru. This program was aimed at enhancing practical skills of the students with demonstration of the projects using Arduino boards and sensors. It also helped students to learn front-end design using React JS tools. 41 students from S3 participated in the event. Mr. Raghavendra Rao B. G. and Mr. Vasantha S. were the faculty coordinators.







SCIENCE IS ABOUT KNOWING. ENGINEERING IS ABOUT DOING.

"HACKATHON-2023"

The department in association with the Computer Society of India, Sutantra and Institutions' Innovation Council organized "HACKATHON-2023" on 13th January 2024.Mr. Jishnu Kumar, Founder, Valuepitch & Mr. Sagar, Co-founder, Valuepitch was the judge and mentor for HACKATHON-2023. The main objective of this Hackathon was to bring students with technical backgrounds together on a single platform for problem-solving and developing new ideas. This Hackathon helped participants to hone their IT skills, meet people in their field having the same temperament and share the ideas with each other.Total 37 students from different semesters across the branches of Sir MVIT participated in the event. This event was coordinated by Mr. Raghavendra Rao B G. and Mr. Vasantha S.



Institute of Electronics and Telecommunication Engineering (IETE)





Faculty Mentor: Dr. E. Kavitha, Professor & Head, Dept of ETE Secretary: Abin Mathew, 1MV21ET001 Joint Secretary: Bindusri, 1MV21ET007 Co-ordinator: Abhishek M Panchal, 1MV22ET002 and Sanjana R., 1MV22ET026

IDEATHON:

On September 4, 2023, a highly anticipated Intra Collegiate Idea Presentation Competition took place at the Computer Science Seminar Hall. This event was organized to provide a platform for students and participants to showcase their innovative ideas and presentation skills.



TELEPOSIUM 2.0:



INSTITUTION'S INNOVATION DAY:

The much-anticipated department fest of the Electronics and Telecommunication Engineering department, Teleposium 2.0, commenced with great enthusiasm on the 21st and 22nd of December 2023. Teleposium 2.0 not only provided a platform for students to showcase their technical prowess but also fostered a sense of camaraderie and learning within the academic community. The fest contributed significantly to the overall development and exposure of the participating students.

The event was organized to commemorate the birth anniversary of Dr A P J Abdul Kalam. The event aimed to invoke awareness of innovation ideas in young minds. The event was presided over by Dr E. Kavitha, Professor and Head of Electronics and Telecommunication Department, Dr. Vani Priya, Ch. President of IIC, and Dr. Sasmita Mohapatra, Vice President of IIC. The event showcased the talents of the students through poster presentation and quiz.







Workshop on Innovation and Entrepreneurship & Ideathon:

A workshop on Innovation and Entrepreneurship & Ideathon was organized in PM Shri Kendriya Vidyalaya AFS Yelahanka, Bengaluru by SIR MVIT. The idea was to invoke awareness of innovative ideas and entrepreneurship skill in young minds.





In just one year, Team Electrimo, comprising 20 students from semesters 3 and 5 EEE, has revolutionized electric vehicle (EV) innovation. Guided by Dr. Mahesh K, they excelled at the AIMS E-KART National Level Championship in Coimbatore from February 26th to 29th, 2024. Their Electric Vehicle for Go-Karting, introduced through patent application 202341057721A in August 2023, showcases their dedication to innovation. Winning the Best Innovation Award, they pushed EV technology boundaries while championing inclusivity with their victory in the Special Endurance for Women category.Recognized for Best Lightweight Vehicle under EV, Best Built Quality, Best Safety, and Best Social Media Influencer, Team Electrimo has holistic approach to innovation and community engagement sets them apart. Their legacy as pioneers of change promises a cleaner, greener world powered by electric mobility.







ENGINEERING IS THE CLOSEST THING TO MAGIC THAT EXISTS IN THE WORLD.





Faculty Mentor: Mr. Byregowda K., Asst. Professor,Dept. of ISE Secretary: Ankith H. P., 1MV21ME006 Joint Secretary: Prerana D. B., 1MV21BT011 Co-ordinator: Kishan Reddy K., 1MV22IS052 and Nisarga G.N., 1MV22CS109

NSS Stands for National Service Scheme. The main objective of the National Service Scheme as envisaged originally was service to the community, offered while undergoing instruction, in an educational institution. It was sought to arouse the social consciousness of students and provide them with the opportunity to work with the people around the educational campuses creatively and constructively and to put the education they received to concrete social use. It has been felt that the primary aim of the scheme is to enable the students to upgrade their personality and experience through community service. The motto, i.e., the watchword of the NSS is "Not Me But You". This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole. Sir M Visvesvaraya Institute of Technology has been in the forefront of NSS activities. The NSS unit has strength of 100 volunteers. The impetus is to give the students best educational experience in order to make them responsible and productive citizens of the country. It has undertaken many socially and environmentally viable programmes which are very much helpful to the mankind; service is our motto of Sir MVIT-NSS. The Principal, Prof Rakesh S G is the Chairman of Sir MVIT-NSS Unit with Mr. Byregowda B K is the NSS Programme Officer.





EVENTS CONDUCTED:

1. World Environment Day is celebrated on 05 June 2023

2. Blood Donation Drive held on 21-07-2023 in association with Spandana, YRC, and Lion's Club and Collected 190 units.

3. Celebrated 77th INDEPENDENCE DAY on 15-08-2023

 organized one day Orientation Program ON NSS and YRC on 12-09-2023

5. Organized SWACHHATA HI SEVA "Shramadaan" Program on 01-10-2023 "EK TAREEKKH EK GHANTA" ON THE EVE OF GANDHI JAYANTHI.

6. Constitution day Celebration on 26-11-2023

7. Celebrated NATIONAL YOUTH DAY - 12-01-2024 Walkathon – Awareness on Drug Abuse and Cyber Crime held at Yelahanka New town police station Grounds in association with Bangalore city police

8. Celebrated Republic day on 26-01-2024

9. Visit to Ecogram, waste management plant, Bettahalasur on 21-02-2024

10. Blood Donation Drive held on 13-03-2024 in association with Spandana, YRC, and

Lion's Club. Collected 221 units.



ROBOTICS AND COMPUTER VISION CLUB



Faculty Mentor: Ms. Swetha B., Assistant. Professor, Dept of ETE Secretary: D. Yashwanth Kumar, 1MV21ET009 Joint Secretary: Neha Praveen, 1MV21CS061 Co-ordinator: Apoorva Amargol, 1MV22ET006 and Adithya Madhavan, 1MV22ET003

Seminar:

ROCC kicked off its activities on January 9th, 2023, with a well-attended seminar titled :CHALLENGES AND TRENDS IN ROBOTIC ENGINEERING. The guest speaker, Dr. Jharna Mujumdar, a renowned expert in robotics, delved into the latest advancements and challenges in the field. Her talk covered exciting areas like robotic automation, AI, and robotics integration industries various like healthcare, across manufacturing, and space exploration. This event sparked the interest of over 100 students and provided a platform for them to directly interact with Dr. Mujumdar and gain valuable insights into the world of robotics.





ROBOTICS IS ABOUT US. IT IS THE DISCIPLINE OF EMULATING OUR LIVES, OF WONDERING HOW WE WORK.

Robotic workshop:

On the 31st of January 2024, a basic robotics workshop was conducted at the CS seminar hall. The event drew around 50 enthusiastic students from various branches and semesters. Dr. Rajeevlochana G. Chittawadigi, Professor from the Department of Mechanical Engineering at Amrita Vishwa Vidyapeetham, Bengaluru, led the workshop as the resource person. The workshop aimed to introduce participants to the fundamental concepts of robotics, familiarize them with basic robotic components and their functions, and ignite interest in the potential applications of robotics across diverse fields. Dr. Chittawadigi s engaging and interactive sessions captivated the students, making the workshop highly appreciated. The workshop not only imparted knowledge but also inspired curiosity and interest in robotics among the participants, showcasing the vibrant learning environment.



Faculty Mentor: Dr. Rashmi K. V., Associate Professor, Dept of Biotechnology Secretary: K. Uday Kethan, 1MV21EE020 Joint Secretary: K. Mohana Sree Manvitha, 1MV21IS054 Coordinators: Sindhu R, 1MV22BT034 and Samyog Gowda J., 1MV22CS141

Spandana, the social outreach club, is actively involved in organizing events of societal significance and community outreach. The club aims to instill a sense of responsibility and sensitivity in students toward society while supporting neighboring communities that lack essential services and rights. With active student participation, Spandana has successfully organized 16 impactful events, including blood donation drives, medical camps for underprivileged children, clothes donation drives for orphanages and old-age homes, village clean-up drives, National Science Day exhibitions for local school students, cancer awareness events, and stem cell donation registration drives. Additionally, the club organized "The Joy of Giving," a special initiative to spread generosity and kindness. Each of these events has received an overwhelming response from student volunteers, demonstrating a strong commitment to helping and supporting those in need within the community. Through these efforts, Spandana not only addresses immediate needs but also fosters a culture of compassion and civic responsibility among the students.



GIVING IS NOT JUST ABOUT MAKING A DONATION. IT IS ABOUT MAKING A DIFFERENCE.





VIKASANA - YOGA CLUB



Faculty Mentor: Dr. Sheetal Bagali, Associate Professor, Dept of ECE Secretary: Praveen Kumar, 1MV21CS071 Joint Secretary: Anushri Patil, 1MV21IS008 Co-ordinator: Arpitha K. A., 1MV22BT005 and Basavaraj, 1MV22EC005



The aim of Vikasana club is to create awareness about yoga, promote the practice of yoga and inculcate a healthy life style.

Objectives:

- 1.To promote yoga as means to promote holistic health and human values.
- 2.To enable the student to have good health.
- 3.To integrate moral values
- 4. To possess emotional stability









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International Yoga Day 2023:

International yoga is observed on June 21 st every year. On this occasion, Sir MVIT organized a yoga session for all staff and students. Around 200 participated in this event organized at Sir MVIT auditorium. Mamatha Gangadhar, Yoga Instructor from Sampadam Yogashala conducted the yoga session.



YOGA IS THE JOURNEY OF THE SELF ,THROUGH THE SELF ,TO THE SELF.



"CHETANA" THE SPORTS CLUB



Faculty Mentor: Ms Deepthi S., Assistant Professor, Dept of Mathematics Secretary: K. B. Mithun Cariappa, 1MV21EE019 Joint Secretary: Karen Francina Morais, 1MV21BT004 Co-ordinator: Prathic Kumar S., 1MV22CS121 and Shreya K V., 1MV22CS152





EVENTS CONDUCTED IN THE ACADEMIC YEAR 2023-2024

TREASURE HUNT on 20 th December 2023

Chetana - The Sports Club of SIR MVIT organized treasure hunt competition for 1 st year students on 20 th december,2023 at science seminar hall .The program aimed at providing the opportunity to the 1 st year students to showcase their talent. Students used to think, run and search for the next clue which showed their excitement and perseverance to reach the treasure.



TEAM E secured the 1st place



TEAM B secured the 2nd place









KALAKRITI THE FINE ARTS CLUB



Faculty Mentor: Ms. P.Kezia Joy Kumari, Assistant Professor, Dept of EEE Secretary: Nandish, 1MV21EC052 Joint Secretary: Kota Rishetha, 1MV21EC129 Co-ordinator: Sonika D., 1MV22CS156 and Sathvik A R , 1MV22IC045







((

ART IS NOT WHAT YOU SEE , BUT WHAT YOU MAKE OTHERS SEE.



1.T-Shirt Designing competition conducted on January 3 rd 2024.Total Number of students participated 14.First prize won by Madhulatha and second prize was bagged by Keerthana.

2. The Fine Arts club organized a hands on session on Mastering the art of Pencil Sketching from Basics to Advance Techniques on 3rd April 2024.The resource expert was Ms.Jeevitha. Total Number of students participated was 38.

3. Kalakriti club celebrated Leo-Da Vinci's Birthday as World Artist Day –on 15 th April 2024.A Competition was convened on the theme"Cultivating community through Art." Total Number of students participated was 11. First prize :Siddharth Kumar Second prize : Niharika Third prize was shared by:Malarvizhi &Abhay sharma.

4.Kalakriti the Fine Arts Club Organized "Art Out Of Trash" Competition on May 22nd 2024.The objective of a college to organize an Art Out of Trash competition, a college can effectively combine environmental education with creative expression, fostering a culture of sustainability and innovation within its community. Educates students about waste management, recycling, and the environmental impact of trash. Encourages the adoption of sustainable practices and the importance of reducing waste.







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Faculty Mentor: Ms. Rajeshwari K. N., Assistant Professor, Dept of ECE Secretary: Raghavendra Hiremat, 1MV22EC408 Joint Secretary: Sushma R, 1MV21EC109 Co-ordinator: Karthika J. A., 1MV22BT013 and Ganesh K, 1MV22EC050

1.KANNADA ANTYAKSHARI: Kannada "ANTHYAKSHARI" competition was held on 1st August 2023.Sixteen students from various branches participated in this competition.

2.KANNADA AASUBHASHANA SPARDHE: Kannada Aasubhashane Spardhe was held on 10 th October 2023, in which 25 participants participated.

3.KANNADA RAJYOTSAVA: "KANNADA RAJYOTSAVA" celebrations were held on 1st November 2023. This program was started by hoisting the karnataka flag by our beloved principal at 9 A.M with the kannada naadageethe at the main entrance and it also included speech about kannada rajyotsava and Kannada Songs by the students.There were some cultural programmes organized in the CS Seminar hall which was followed by veeragase and dollu kunitha in the quadrangle.

4.KANNADA EKAPATHRABHINAYA SPARDHE:Ekapatrabhinaya Sparthe competetion was held on 21 st February 2024, at Main auditorium ,in which around 9 participants participated.

5.KANNADA QUIZ:Kannada quiz competition rasaspardhe was held on 29 th May 2024,in which 20 members participated.



KNOWLEDGE OF A LANGUAGE IS THE DOORWAY OF WISDOM.



'VIDYA BHARATI'



THE INDIAN KNOWLEDGE SYSTEMS (IKS) CLUB

Faculty Mentor: Dr Mrinalini Menon, Associate Professor, Dept. of BT Secretary: Trisha N., 1MV21BT021 Joint Secretary: Abin Mathew, 1MV21ET001 Co-ordinator: Khushi Vyas, 1MV22BT015 and Aditya Madhavan, 1MV22ET003





'Vidya Bharati' – the Indian Knowledge systems (IKS) club, Sir MVIT focuses upon the manifold branches of knowledge that existed in ancient india. 'Vidya Bharati' inaugurated its activities for the current year with a guest talk by Dr.Rajashekhar Krishnan, Founder- Head, Wayda Consultants, Bangalore, who is also a noted expert in the domain of IKS . This event, which was held on the 20th December 2023, witnessed the participation of faculty members and 171 students drawn from different semesters across Depts. from Sir MVIT. The next event was a quiz on the IKS domain conducted in collaboration with the Alekhya Club (Literary Association) on 24th January 2024. The quiz involved the participants were organized into 6 teams of which, the 3 winning teams were selected from the highest scorers after 3 rounds of questions. The subsequent event involved a talk titled 'Modern Approaches to Sanatana Dharma' by Sri.Anand Matthews &Prof.GS Murthy from the Youth4Nation organization that was held on the 1st Feb 2024. This talk focused on spirituality and philosophy of Sanatana Dharma – translated into meaningful daily practice.



KNOWLEDGE IS POWER AND CANNOT BE STOLEN; IT IS AN ETERNAL FLAME WITHIN











Faculty Mentor: Mr. Chandrasekhar B., Assistant Professor, Dept of ME Secretary: Sumana K. S., 1MV21EC107

Joint Secretary: Lakshmikanth N. G., 1MV21EE031

Co-ordinator: Sahithya S., 1MV22BT028 and Ajay M. S., 1MV22EC006



SUNAADA, THE MUSIC CLUB OF SIR MVIT

□≫*raagam[®] □ □>*taalam[®] □ □>*pallavi[®] □

Theme of the club is to create interest in music, Club is also actively involved in organizing events and in all the institutional and departmental events like Kalanjali, Verve, Sammilana, Aarambh, Sambrama, Graduation cum farewell day, Shravana Sanje, Bhajan Sandhya, and so on.

Objectives:

- To enhance the Music talent among the students and staff
- To encourage the students to actively participate in various music-based events conducted within the campus and outside the campus

• To showcase the talents of the students in singing, playing, various classical and modern instrument

• To develop a powerful framework that allows the students to become passionate and ambitious musicians to craft their own professional talents.

• To motivate the students to work for musical projects, bands, orchestra etc.





MUSIC GIVES SOUL TO UNIVERSE, WINGS TO THE MIND, FLIGHT TO IMAGINATION ,LIFE TO EVERYTHING,







ALEKHYA - THE DEBATE CLUB



Faculty Mentor: Ms N .Tamil Selvi, Assistant Professor, Dept. of CV Secretary: Sneha S., 1MV21BT017 Joint Secretary: Ashish Singh, 1MV21IS047

Co-ordinator: Aastha Mishra, 1MV22IS001 and Dhruv Kumar, 1MV22EC046

SIRMVIT "Viksit Bharat 2047" Quiz

In association with Institute Innovation Council Alekhya club had organized quiz on 10.01.2023 to 23.01.2023 to encourage the students to contribute to the vision of a developed India 147 students from various branches and semesters participated. This event was conducted by the below Student Coordinators Ashish Singh(1MV21ISO47).Nikunj Dwivedi (1MV21ISO63) and Purushuttam Kumar (1MV21EC074). It's a platform for different branches of students to come together, share insights, and inspire the next generation of innovations. **The National Pollution Control Day Quiz**

In association with Institute Innovation Council Alekhya club had organized The National Pollution Control Day quiz event took place on 19.02.2024 to 21.02.2024.The Pollution Control Day celebration included a stimulating debate session focused on critical environmental issues. They learned how engineers play a crucial role in controlling pollution from industries. By understanding pollution control, they can work towards creating a cleaner environment.

Premiere League Debate Tournament

Alekhya Team organized the Debsoc Premiere League Debate Tournament event at SIRMVIT 25 th -29 th April 2024. 35 students across various branches and semesters actively participated. The primary objective behind organizing this tournament was to provide a platform for every debate enthusiast while simultaneously nurturing a debate culture among all students, offering them unique learning experiences.



SPEECH IS POWER : SPEECH IS TO PERSUADE, TO CONVERT , TO COMPEL.













Faculty Mentor: Dr. Sudevi Basu, Assistant Professor, Dept. of BT Secretary: Bhaskar Mondal, 1MV21EC024 Joint Secretary: Sanjitha S, 1MV21BT014 Co-ordinator: Yuktha V, 1MV22EC126 and Akarsh K, 1MV22BT003

The Eco Club – Nisarga of Sir MVIT, of Susamskriti conducted the following events between June 2023 and April 2024

1) An interactive talk on "Planet Ocean- Tides are Changing", commemorating World Oceans Day was held on 8th June 2023. The resource person was Sri D. R. Kumaraswamy, Retd. Chief Environmental Officer (KSPCB) and Director, Prakruthi Institute of Environmental Studies, Bengaluru. About 38 students from the 4th Semester BE Biotechnology and a lab instructor of BT Department participated in the event.

Importance of oceans in water cycle and water balance, absorbing carbon-dioxide from atmosphere, the tides as renewable energy sources were discussed by the resource person. Further, the impact of global warming on oceans and tides, various changes in ocean current and tides due to pollution was dealt with.

2) Quiz Competition – "Explore your Environment" on 25th July 2023 where 35 students from the 2nd and 4th Semester BE across different branches registered. About 15 students participated in this competition. This was a written quiz competition with 50 questions and the duration was 1 hour. The participants were enthusiastic and they learnt from the various aspects of environment.

3) An Expert talk on "Practical Approaches to Solid Waste Management", commemorating World Soil Day on 6th December, 2023 was held. About 35 students from the 1st and 5th Semester BE Biotechnology and volunteers of Nisarga participated in the event. the resource person was Ms. Pavithra Dharam, Director, Operations, Ecogram Project, Bengaluru. The talk started off with various common problems facing the environment, particularly the soil due to generation of solid waste and its improper disposal. Ms. Pavithra gave a detailed account of the '2 bin 1 bag' system for waste segregation and its advantages. She further gave a demonstration through the student's interactions on various wastes and their proper segregation in the 2 bins 1 bag.

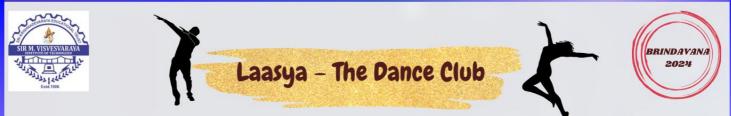






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NATURE IS OUR BIGGEST ALLY AND OUR GREATEST INSPIRATION.



Faculty Mentor: Dr.Chaya T. Y., Assistant Professor, Dept. of Mathematics Secretary: Shivam Maurya, 1MV21EC088 Joint Secretary: Meenakshi B, 1MV21EC047 Co-ordinator: Rahul P C, 1MV22BT023 and Anokhee Vidhya C, 1MV22BT004

Events conducted by Dance Club - Laasya

- 1. Filmy Solo Dance Competition, 4th July 2023
- 2. Group Dance Competition, 25th July, 2023
- 3.Solo Classical Dance Competition, 29th August 2023
- 4. Dancing Duo Competition, 20th Dec, 2023
- 5. Dancin' Through The Decades : 90's Edition,21st Feb 2024

Performances by Dance Club students

- 1. Sammilana -2023, The Global Alumni Meet, 12th Aug, 2023
- 2. Independence Day Celebrations, 25th Aug, 2023
- 3. AARAMBH 2023, 22nd Sep,2023
- 4. Krishna Astami,6th sept 2023
- 5. Navaratri Dance Festival, 25th Oct, 2023
- 6. Makara Sankranti Celebration, 19th Jan, 2024
- 7. Ram Mandir Pran Pratishtha Mahotsav,22nd Jan, 2024











PRACTICE LIKE YOU NEVER WON. PERFORM LIKE YOU NEVER LOST.







Faculty Mentor: Ms. Latha R., Associate Professor, Dept of MCA Secretary: Utkarsh Kumar, 1MV21EC116 Joint Secretary: Aravind Kumar Panda, 1MV21IC009 Co-ordinator: Mohammed Owais, 1MV22AI033 and Nishitha Shandilya, 1MV22IS068

Beyond the resume-

Beyond the resume was a session organized by Techhub on the 16th of June 2023. It aimed at equipping the students with valuable information on how to build a top notch resume that will be noticed by every recruiter. The guest for the session was Abhishek Kumar, engineering manager at Google and our alumni. The speaker provided insider knowledge on how recruitment works at big tech companies like Amazon, Google and Meta. The interactive session equipped students with information on resume building techniques and how to grow your career in tech. It shed light on the do's and don'ts while crafting a resume and how to tailor your resume to match the job you're applying for. The speaker also spoke about the important aspect of system design and how large scale systems work. Students were also briefed about how scalable systems are built and the various design patterns. The event ended with a Q&A session where the students interacted with the speaker to have their doubts cleared. In conclusion, the event helped make the students industry ready and to equip them with the skills needed to crack top IT jobs.



Techvistara 3.0-

Techvistara, aimed at helping students find their niche in tech. An orientation program held on 3rd of January, 2024, Techvistara covered a wide range of topics, from web development to app development, from competitive programming to system design to cyber security and general topics like personal branding and laptop guide was covered. No career option was left unexplored and the interactive sessions left the students mesmerized and with an idea about their footing in tech. After every talk, there was a project demonstration where the speaker showcased an amazing, interactive project they had built specific to the domain. Quizzes were conducted and the students were awarded with swags and goodies. The event was a grand success and received appreciation from students and teachers alike. The 3rd year of Techvistara being the first event of the year, laid a strong foundation for the events to be conducted in the following year.

Machine learning workshop-

With AI being the current emerging tech, it is necessary to equip everyone with skills on how to build and use such AI systems. Our 2 days hands-on machine learning workshop did just that. We went beyond the buzzwords and jargon to simplify the tech topics related to machine learning. Spread out over two days, the sessions aimed at educating the students on what goes into building Large Language Models like ChatGPT and Gemini. The first day, students delved into exploring the foundations that power the AI world. The audience were briefed about the theory and math required stepping into the AI field. Day two was more hands-on, guiding students on building their own end-to-end ML project. The speakers helped the students to build an AI system from scratch and deploy it. In conclusion, the attendees walked out with a solid understanding about machine learning and the various aspects surrounding it and were equipped with essential skills for the future.

THE TECHNOLOGY YOU USE IMPRESSES NO ONE. THE EXPERIENCE YOU CREATE WITH IT IS EVERYTHING.



ENTREPRENEURSHIP DEVELOPMENT CELL



Faculty Mentor: Dr. Priya Narayan, Professor, Dept of BT Secretary: Abhishek Thakur, 1MV21CS001

Joint Secretary: Atharv, 1MV21CS015

Co-ordinator: Tanish Raj, 1MV22EC116 and Kanishk Chaudhary, 1MV22IC014

The EDC of Sir MVIT was integrated with CIII in 2018-19 and reconstituted as an independent body in 2019-2020.

<u>VISION</u>: To be a resourceful unit for motivating, promoting, guiding and handholding the students and staff who wish to embark upon envisaging their entrepreneurial journeys

MISSION : To motivate the aspiring student/staff to start and grow their businesses by creating a pathway of opportunities like awareness programs, interactive sessions, idea to PoC competitions, DIY hackathons, business meets, GDs, networking events, etc., to foster entrepreneurial thinking and business acumen.

Our social network: Backed by the Media Publicity team and our student Leader Abhishek Thakur, our Instagram page of E-Cell has come out with a series of 30 posts of Forbes 30 under 30 India. The Insta page will also post different case studies about start-up unicorns and brands, strategies they follow, study of the entrepreneurial mindset, the college startups and interview sessions.

The notable achievements of the E cell are as below:

- Abhishek Thakur, Varshitha, Kanishk Chaudhary, Jitanshu Tiwari were selected as Campus Ambassador of IIT Kanpur.
- Hansikha Venkatesh, Jitanshu Tiwari, Karen Morais, Keerti SV,Trisha N were selected as Campus Executive By E-Cell IIT Bombay
- Purushuttam Kumar, Sneha S, N.Rithanya Singh got selected into Finals (Top 10) of Ideathon by IIM Bangalore.
- N.Rithanya Singh and Kanishk Chaudhary were selected as Campus Ambassador of E-Cell IIT BHU
- SJU Startup Mela 3.0 special Invitation to E-Cell Team
- Satvik Gupta, Shashwat Shaurya represented E-cell Sir MVIT with their budding startup idea AERS in SJU Startup Mela 3.0

• StarPitch 2023 was conducted by E cell and Innovation club in December 2023. The event witnessed 20 teams from all branches of Engineering showcasing their idea pitch.

• E-Cell SMVIT had participated in the IIT Bombay's National Entrepreneurship Challenge (NEC) 2024 and been placed in top 16Teams among 2100 NEC teams across India.

• E cell Sir MVIT participated at summit at IIT Chennai and have won the overall trophy for successful completion of tasks assigned on Entrepreneurship.

A TRUE ENTREPRENEUR DOES NOT START A BUSINESS FOR THE LIFESTYLE. HE STARTS A JOURNEY FOR THE CHALLENGE.







INNOVATION CLUB



Faculty Mentor: Dr. Jagadeesha Kumar D., Associate Professor, Dept of BT Secretary: Mehul Chandak, 1MV21CS054 Joint Secretary: Purushuttam Kumar, 1MV21EC074

Co-ordinator: Carol Maria Desilva , 1MV22IS022 and Shashidhar Hegde, 1MV22IS099

NEED OF INNOVATION CLUB

Now, in view of the present initiatives of the Government of India like Make in India, Start-up India, Digital India etc., the role of the education sector becomes more important to harness the creative potential of the large young population of the country. Moreover, the inclusion of large number of manufacturing industries and IT industry have generated a huge demand for quality and skilled manpower in the country. As a matter of fact, in the present age of

competitions and a technologically fast-growing society, our youth particularly the students' needs to be futuristic and innovative. For that purpose, besides technological empowerment of the students, they need to be encouraged to be entrepreneurs and innovators. Through this column effort will be made to describe ways and means to foster the culture of innovation in Sir MVIT college. An innovation club in college could be the best platform to discuss ideas and thus promote the culture of innovation in schools and colleges.

OBJECTIVES OF THE CLUB

For promoting the culture of innovation, INNOVATION CLUB- SIR MVIT will provide a conducive environment for exchanging ideas, among the students and faculty. Discussing ideas itself indicates the greatness of the minds i.e. The students and faculty. Thus, the students coming up with any kind of new and innovative idea or innovation should be encouraged and be discussed regularly in the Innovation Club of Sir MVIT Platform. Besides generating awareness about creativity and innovations among the students and faculty

EVENTS CONDUCTED

IDEATHON was conducted as a part of the 3-Day National Conference. A total of 20 groups registered for the event. On the 15th of December, the event was initiated, On the 17th of December, the final round of the event was conducted where each group presented their idea to the jury. Number of teams:20

CELEBRATION ACTIVITY:

StarPitch 2023 was conducted by E cell and Innovation club in December 2023. The event witnessed 20 teams from all branches of Engineering showcasing their idea pitch.



SMVIT

CREATIVITY IS THINKING UP NEW THINGS. INNOVATION IS DOING NEW THINGS.



RANGATARANGA ~The Theatre Club



Faculty Mentor: Ms. Praveena N., Assistant Professor, Dept of ECE

Secretary: Pallavi Kumari, 1MV21EC064

Joint Secretary: Yash Raj, 1MV21EC123

Co-ordinator: Vaishnavi Kiran, 1MV22EC120 & Akshat Tiwari, 1MV22CS016

On the eve of Republic Day, our theatre club's one-act play highlighted the Sati system's brutalities and Raja Ram Mohan Roy's efforts to abolish it. Through compelling storytelling, the play emphasized women's rights and justice, leaving a lasting impact and underscoring the importance of social reform through art.

Team Rangataranga (GAP) organized a workshop at CS Seminar Hall on 8th August 2023, featuring alumni Jay Bhatt, Shambhavi Singh, and Shivam Singh. They shared insights on theatre, emphasizing expression, creativity, and industry navigation, providing an inspiring and valuable learning experience for all attendees.

On 15th August, our college theatre club's one-act play "Bharat" poignantly depicted India's partition and emphasized unity among Indians. Highlighting historical and contemporary divisions, the play inspired reflections on freedom fighters' sacrifices, resonating deeply with the audience and underscoring the power of theatre in conveying social messages.

The "Newcomer's Stage" orientation on 8th Dec 2023 at Marconi Seminar Hall welcomed freshers to our theatre club. Featuring sessions on theatre's significance, past performances, and interactive group acts, the event fostered creativity and participation. It concluded with practical tips, receiving positive feedback for inspiring enthusiasm about theatre









THE THEATRE IS A REFLECTION OF LIFE AND A SPACE WHERE TRUTH FLOURISHES.





ASME Student Section



Faculty Mentor: Dr. K.S. Shanmukharadya, Professor & Head, Dept of ME Chair: K. Srujan, 1MV20ME038 Vice Chair: M.S Praveen Sai, 1MV20ME023 Secretary: Rishikesh, 1MV20ME033 Treasurer: Rakesh N., 1MV20ME032 Liason: Tejesh D., 1MV21ME444

The ASME Student Section at Sir MVIT has achieved the "**ASME Student Section Achievement Award**" for the year 2022-2023. This recognition reflects the efforts and accomplishments of the ASME Student Section in contributing to the goals and standards set by the American Society of Mechanical Engineers.





India Student Section Leadership – Online Meeting:

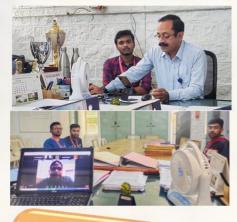
Mr Srujan K, Mr M S Praveen Sai, Mr Rishikesh, Mr Rakesh N and Mr Tejesh Dattended the online meeting on 05.08.2023, from 5 pm – 6 pm. The topicsdiscussed were membership drive, upcoming ASME programs, operating ASME student sections, ASME Honors.

Student Seminar Report On Event Budding Engineers

It was one day event conducted by ASME Sir MVIT student sections to enhance there knowledge on the upcoming technologies and futuristic things. M.S Praveen Sai gave audience the introduction speech and the rules and regulations of the event. The registered participants of different branches as participated in different topics with



their own creative ideas and presentation.their innovation the way of presentation and solution approachto the problem. All the speakers individually explained the topicsin a unique way with thehelp of PPTs and Presentations.



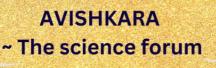
ENGINEERING IS THE SATISFACTION OF OVERCOMING CHALLENGES THAT ARE SWEETER THAN ANY DESSERT.

Online Meeting with ASME Karnataka Section & ASME Sir MVIT Student Section

On 20.06.2023, an online meeting was conducted through Zoom platform. Itwas organized by ASME Karnataka Section. The purpose of the meeting was to foster collaboration, share knowledge, and explore opportunities for joint 5 initiatives between the student section and the professional section. The meeting was attended by Dr K S Shanmukharadhya, Student Section Advisor, & Student Office bearers of Sir MVIT. The office bearers of ASME Karnataka Section participated in the meeting were Mr Pralhad Kulkarni, Chairman, Mr Sundaresan Poovalingam, Vice Chairman, Ms Pranjali Joshi, Secretary, Mr Palaniyappan Kailasam, Treasurer, Mr Shino Ulahannan, Member-at-large, Dr D S Ramakrishna, Member-at-large and Dr Shubhashisa Sahoo, Member-at-large.









Faculty Mentor: Dr. Sasikumar Dixit, Associate Professor, Dept. of Physics Secretary: Sandeep Kumar K. , CSE-K 20 Joint Secretary: K.S.BharghavKeerthan, CSE- I 33 Co-ordinator: Murali Manohar M.G.A. , ISE – G 21 & K.R. Bhumika, ISE – G 16

Report on National Science Day celebration

The National Science Day was celebrated on 28th-Feb-2024 to commemorate the 'discovery of Raman effect' under the aegis of 'Avishkara-The Science Forum' in association with 'Spandana-the social out rearch club' of Sir MVIT. The chief guest for the occasion was Sri C. D. Prasad, former Scientist of ISRO. The high school students from Sai Vidya Mandir, Bettahalsur were invited for the occasion. He addressed the gathering on "The Methods used for launching Rockets".Various events such as Project Exhibition, Lab visits to Biotech and Electronics department labs by School children & Quiz contests for School children were held during this occasion.









THE SCIENCE OF TODAY IS THE TECHNOLOGY OF TOMORROW.



Photonics Club



Faculty Mentor: Ms Vijayashri V.B., Assistant Professor, Dept.of ECE Secretary: A.Shreya, 1MV21EC001 Joint Secretary: Mithil Dhondi, 1MV21EC048

Co-ordinator: Ajay M.S., 1MV22EC006 & Darshan Mahesh Naik, 1MV22EC041

Benefits of IEEE Membership and Inauguration of IEEE Photonics Society Student Chapter at Sir MVIT

The dept. in association with IEEE Student Chapter organized a Guest Lecture on the Benefits of IEEE Membership on 12th December 2023 in the CSE Seminar Hall. Dr. Venkatesha M., Professor and Head of ECE at SVIT and Vice Chair of the IEEE Photonics Society Bangalore Chapter, led the event. Dr. Venkatesha inaugurated the Sir MVIT IEEE Photonics Society Student Chapter and announced its office bearers.





WEBINAR ON "OPTISYSTEM FUNDAMENTALS AND DESIGN TECHNIQUES IN COMMUNICATION

The dept. in association with the Sir MVIT IEEE Photonics Society Student Chapter, organized a webinar on "Optisystem Fundamentals and Design Techniques in Communication," led by Mr. Amandeep Singh, Product Manager (SAARC) at HR Universal Systems Inc. Aimed at learning the Optisystem tool used in LRDE and ISRO, 105 S5 students and 5 external participants from Sai Vidya Institute of Technology attended. Sponsored by HR Universal Systems

Inc.,

PHOTONICS DESIGN CONTEST

The IEEE Photonics Society Student Chapter Sir MVIT, in association with the Photonics Club, organized a Photonics Design Contest on 14th February 2024. Students presented various photonics hardware projects, including audio and text data transmission using light waves, IoT IR sensor projects, and software satellite and visible light communication projects. The contest aimed to foster creativity and innovation in photonics technology, encouraging novel solutions and cutting-edge technologies.



IT'S NOT WHAT YOU LOOK AT THAT MATTERS , IT'S WHAT YOU SEE.





IEEE Photonics Society Student Chapter Sir MVIT participated in the International Day of Light organized by Indian Institute of Science, Bengaluru on 16th May 2024. IEEE Photonics Students presented the activities of SIR MVIT Student Chapter during the event.





ISTE CHAPTER

BRINDAVANA 2024

Faculty Mentor: Dr. Supriya. V.G., Professor & Head, Dept of ECE

Secretary: Varun B Raj, 1MV21EC118

Joint Secretary: Deekshitha G., 1MV21EC030

Co-ordinator: Ammarrah Jameel, 1MV22EC013 & Sharath R., 1MV22EC103

ISTE student chapter, in association with Department of ECE organized a Space Outreach talk on "Challenges of Chandrayaan – 3" on 9th October 2023. Ms. Roopa M. V., Deputy Project Director, Chandrayaan - 3 was the resource person. 116 students from various departments of Sir MVIT attended the talk.

ISTE student chapter, In association with Department of Civil Engineering, ,organized a One day Student Development Program (SDP) by Dr. U. B. Mallikarjuna, Consulting Hydrogeologist and former Professor and Head, Department of Civil Engineering, Sambhram Institute of Technology, Bengaluru on "Ground Water Investigation by Electrical Resistivity Method: A Practical Approach" on 18th October 2023 at M. V. Seminar Hall. 58 students from S7 participated in the event.

ISTE student chapter,in association with Department of Civil Engineering,organised an Awareness Programme on "Start-up plan and future opportunities in Civil Engineering Domain" by Asset ACE Scientific Skill - Development in Engineering & Technology Society on 6th July 2023. Overall, 20 students of S4 participated in the event.

ISTE student chapter,in association with the department of Computer Science Engg, organized a technical talk on "Cryptography and soft computing techniques for blockchain application" on 21st June 2023. The resource person for this session was Dr. Swetha M. S., Assistant Professor, Dept. of ISE, BMSIT,Bengaluru. 140 students of S4 attended the session.









THE ROAD TO SUCCESS IS ALWAYS UNDER CONSTRUCTION.





BRINDAVAN 2024

Faculty Mentor: Mr. Phanindar Ravi P., Assistant Professor, ECE Chair Elect : Akhil Kumar, 1MV22EC401 Coordinator: Chetan Vinayaka, 1MV21EC039 and A. Shreya, 1MV21EC001 Webmaster: Mayank Tripathi, 1MV21EC045

TECH DAY 2023- Tech-day 2023 was celebrated on 15th Sept 2023 as a part of National Engineers day remembering India's greatest Engineer Bharat Ratna Sir Mokshagundam Visvesvaraya on his Birth Anniversary. 5 Technical events were conducted to the freshly induced students.

TECHNICAL TALK : A Technical Talk on " Roadmap towards quality research paper publication: was organized on 07th October 2023 for the benefit of Research Scholars , 5th Semester Students. The resource person was Dr Abhishek Mahesh Appaji Associate Professor and Dean R&D BMS College of Engineering, Bengaluru.

WORKSHOP : A two days Student Development Program titled "IMAGE PROCESSING AND SIGNAL PROCESSING WORKFLOWS USING MATLAB AND SIMULINK." Was conducted for 5th Semester students. This program was conducted in association with Coreel Technologies Bengaluru on 27th and 28th Feb 2024.









THE BEST WAY TO PREDICT THE FUTURE IS TO CREATE IT.





SUNDARA SRISHTI - MOVIE MAKING CLUB



Faculty Mentor: Mr. Surajkumar B.P. , Assistant Professor, Dept of CSE Secretary: Chandu S. , 1MV21CS024 Joint Secretary: Sindhur Sai Anne, 1MV21EC100 Co-ordinator: Anirudh Gupta, 1MV22CS020 & Bhanavee C. S. , 1MV22CS036

Sundara Srishti - .

The movie making club of Sir MVIT, organized a a short movie making Competition on 31st January 2024 in CSE Seminar Hall, in which 10 teams participated.





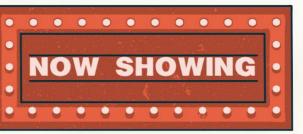








THE ACTOR SHOULD BE ABLE TO CREATE THE UNIVERSE IN THE PALM OF HIS HAND.





SUCHITRA -PHOTOGRAPHY CLUB



Faculty Mentor: Prof Rakesh S.G. , Principal Secretary: Aman Sharma , 1MV21IS005 Joint Secretary: C.R.Shalini, 1MV21IS049 Co-ordinator: Sahithya Hegde, 1MV22CS139 & Sanjit Kumar Malah, 1MV22EC098

Suchitra- Photography Club,conducted a Photography workshop on 27 th June 2023,in which nearly 70 students participated.

Suchitra - The Photography club organized a captivating "Photowalk" event to Puttenahalli Lake on 15th July 2023. Faculty mentor of Suchitra, Mr. Manohar R. coordinated the event.Dr. Rashmi K.V., Associate Professor, Dept. of BT also accompanied the students. Around 20 students immersed themselves in nature's beauty, learnt photography techniques and captured lots of photographs





Faculty Mentor: Ms. Veena B.G. , Assistant Professor, Dept of ME Secretary: Ranjith , 1MV21ME010 Joint Secretary: Hanna Fathima, 1MV21CV003 Co-ordinator: Veena Nair, 1MV22ME018 & Puni N. R. Khola , 1MV22IS081

SUNAADA -The Music club of Sir MVIT and HAASYA -The humour club of Sir MVIT, Conducted a programme, "VINODA WITH SUNAADA", on 3 rd April,2024 in CS Seminar Hall, in which, Mr Shiv kumar Badiger, mimicry artist presented a special performance.This programme was attended by nearly 100 students





InnovECE



Faculty Mentor: Ms.Seema S, Asssitant Professor, Dept. of ECE Secretary: Sumana K.S. , 1MV21EC107 Joint Secretary: Chandramouli Gowda 1MV22EC037 Co-ordinator: Deekshita Reddy, 1MV22EC042 & Suhas Manjunath, 1MV22EC112

1. We organized an event "Alumni Insights: Navigating Future Paths", under InnovECE on 13th Jan 2024 from 10:00 a.m. to 12:00 p.m. We invited our prominent alumni from various companies. The invitees were, Sreedevi C.A., Manager, Software Engineering, Cisco, Mohan Thimmadasaiah, Co-Founder | CTO, Pace Wisdom Solutions, Eshwar Prasad KC, Software Engineer 4, Broadcom Inc., Hari Kalatheeswaran, System Test Engineer, Continental AG and Gagana Thimma Reddy, GPU Design Corporation.128 Verification Engineer, Intel students participated in this interactive session and got the insights of the emerging technologies, exposure to various domains to explore and the opportunities after graduation. This program was beneficial for the students of our department.









2. We organized a "Circuit Debugging" competition on 5th June 2024 from 1.30 pm to 4.00 pm. Teams from the ECE, ETE, and EEE departments were invited. A total of 16 teams (4th and 6th semester students) across all the 3 departments participated in the competition. The first round was a Technical Quiz to select 7 teams for the second round. A simple circuit debugging was the second round from which 4 teams were selected for the final round. In the final round 2 teams debugged the circuits winning 1st and 2nd prizes. The event benefitted the participants by enhancing their practical skills and problem-solving abilities in electronic circuits.

INNOVATION IS THE CRITICAL TO THE HEARTBEAT OF ANY SUCCESSFUL CORPORATION IN THE INDUSTRIALISED WORLD.









Faculty Mentor: Dr.Sumaswamy , Professor, Dept of CSE

Secretary: Sumit Pathak, 1MV21IS036

Joint Secretary: Arunita Sahu, 1MV21CS011

Co-ordinator: Manish Aditya Gupta, 1MV22EC074 & Adrian Richard Benjamin, 1MV22CS012

- 1. Techvistara 3.0 was organized in association with TechHub club on 3rd January 2024 for the first year students and the objective of the event was:
- To make the students aware of technical trends and knowledge.
- To emphasize the importance of development and technical skills required to make it to a technical engineering job role.
- To impart the knowledge regarding various domains such as Web, App, DSA, Cyber Security etc.

The outcome of the event was:

- The participants benefitted a lot as they got to know the various technical domains and trends going on in the tech field.
- The speakers shared their experiences from different projects, internships which had a great impact on students to learn more.
- 210 participants participated in the event.





2. A 24 hours online coding contest "The Open Data Day Challenge: Bug out 2024" - Coding Ninjas Contest was organized on 9th March 2024 with off-site venue –Coding Ninjas. The objective of the event was:

To guide the students about the environment to solve problems related to Data Structures and Algorithms under a given time period and a live competition.

Set of 4 coding questions were given to all the participants with numerous test cases to be solved under 120 mins while maintaining a live leader board.

63 participants participated in the event and prizes were distributed to winners.

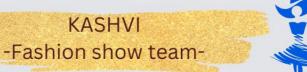
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TECHNOLOGY IS A USEFUL SERVANT BUT A DANGEROUS MASTER.

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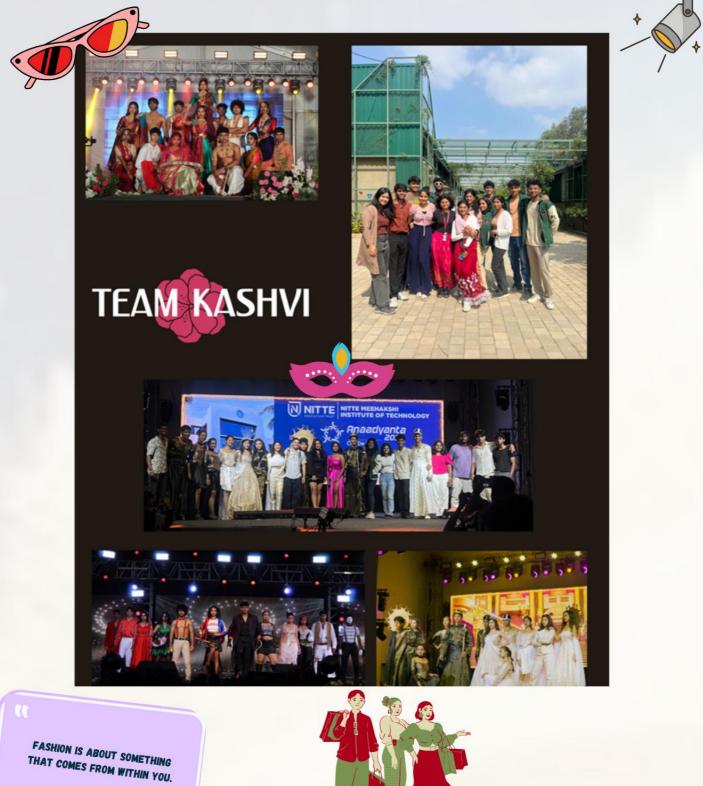








Sir MVIT Fashion team - Team KASHVI - won first Prize in Fashion show event in Atria Institute of Technology's Saptharang 2024 on 27 th MAY 2024 and first prize in Fashion show event in NMITs Cultural festival Anaadyanta 2024 On 4 th May 2024. They have participated in Presidency University s cultural fest INVINCIA 24.





God Chitragupta's meticulous record-keeping reflects the precision and documentation required in engineering. His role in data management parallels engineering's focus on informed decision-making. Additionally, his emphasis on accountability resonates with engineering's commitment to quality assurance and adherence to standards.



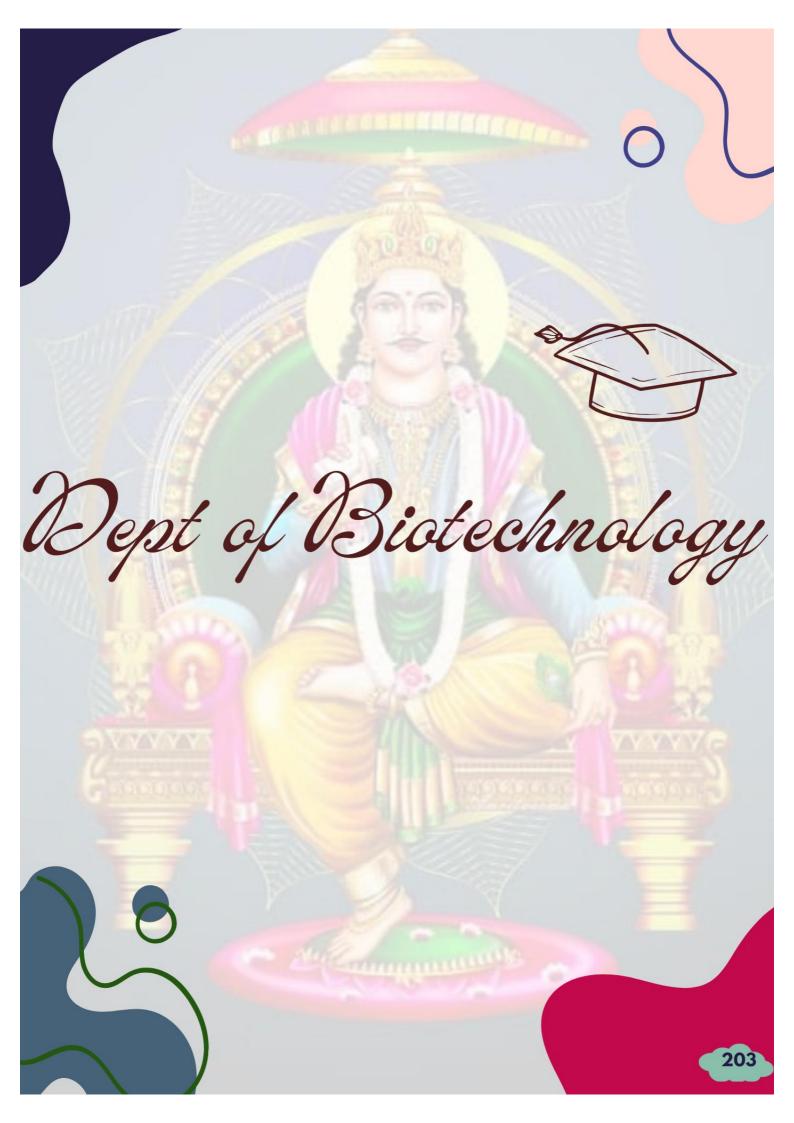
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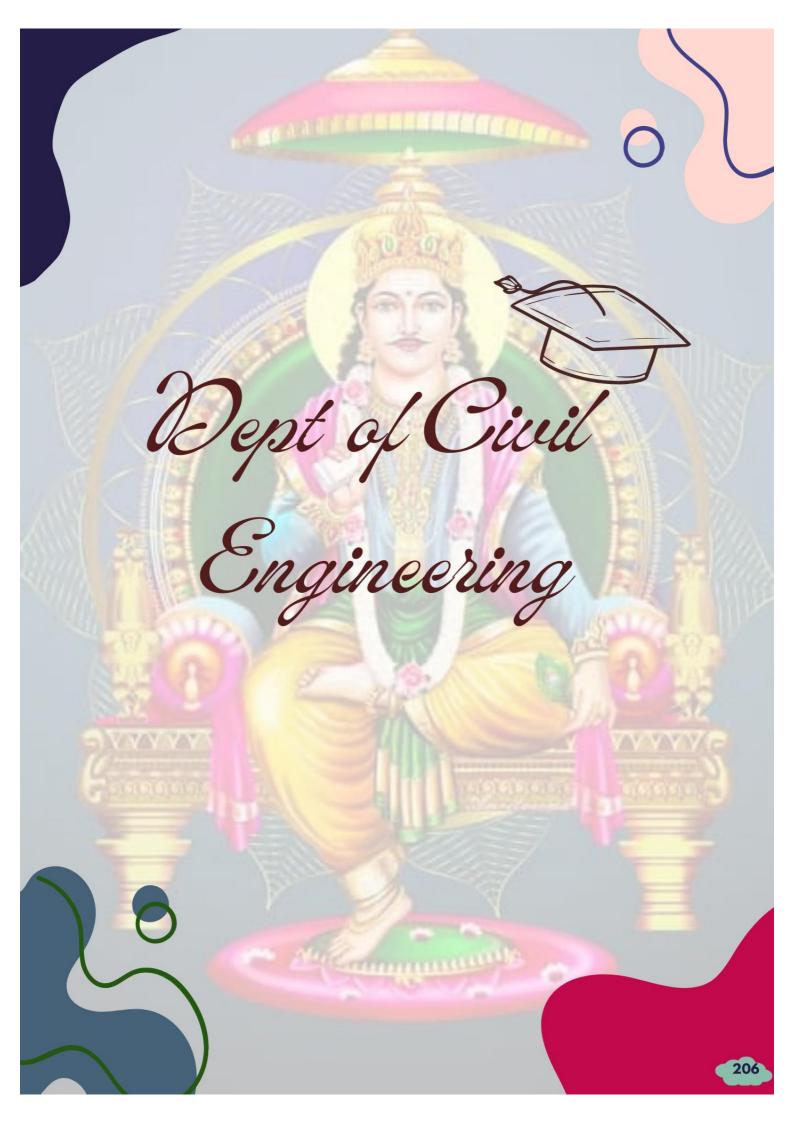
Students' Directory

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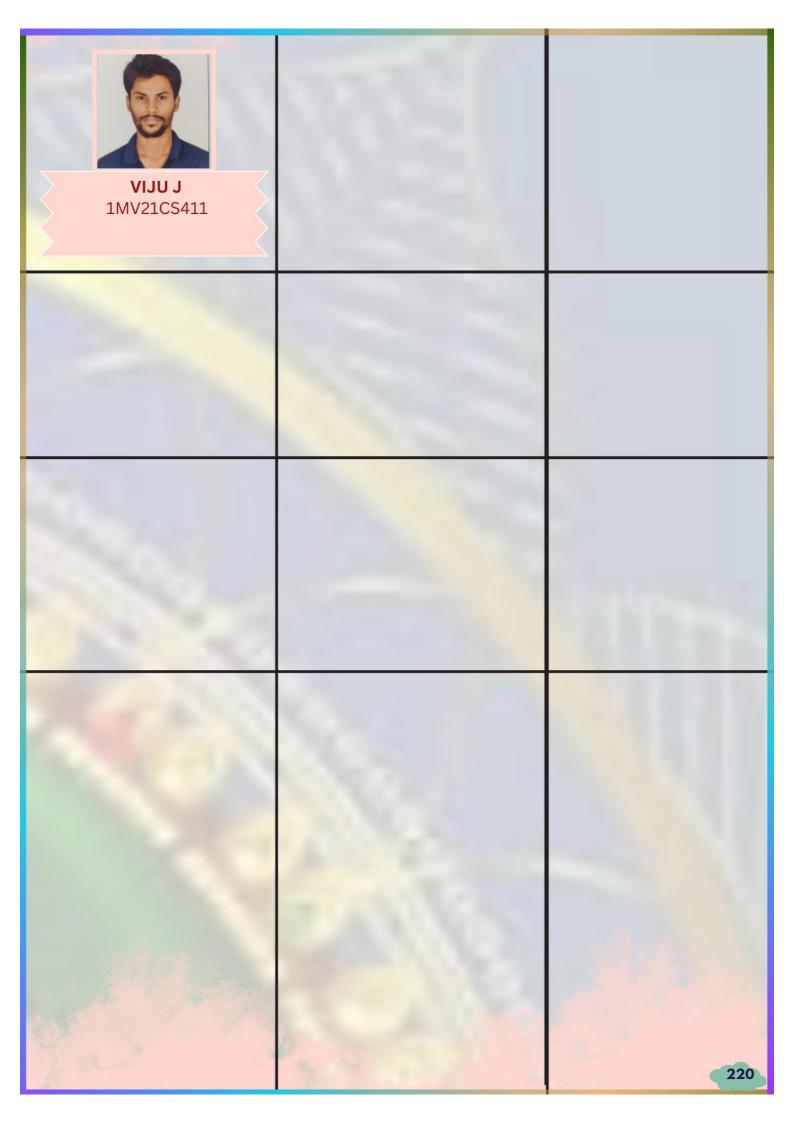












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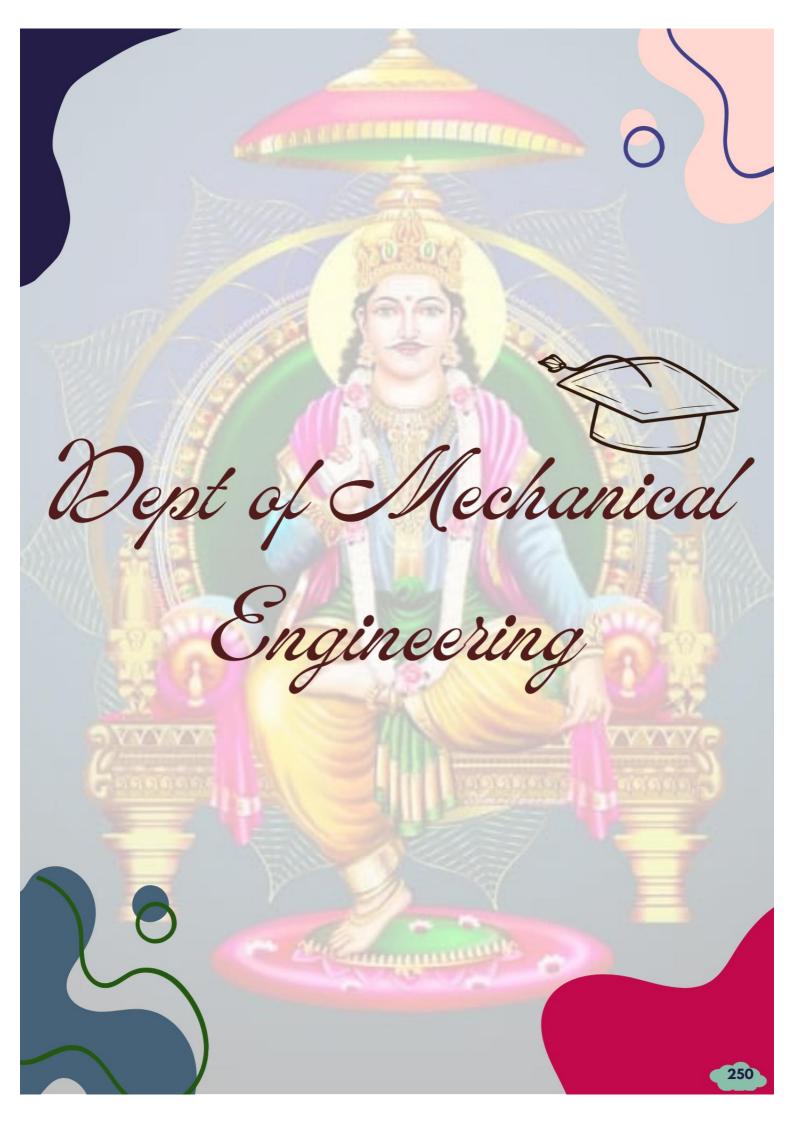














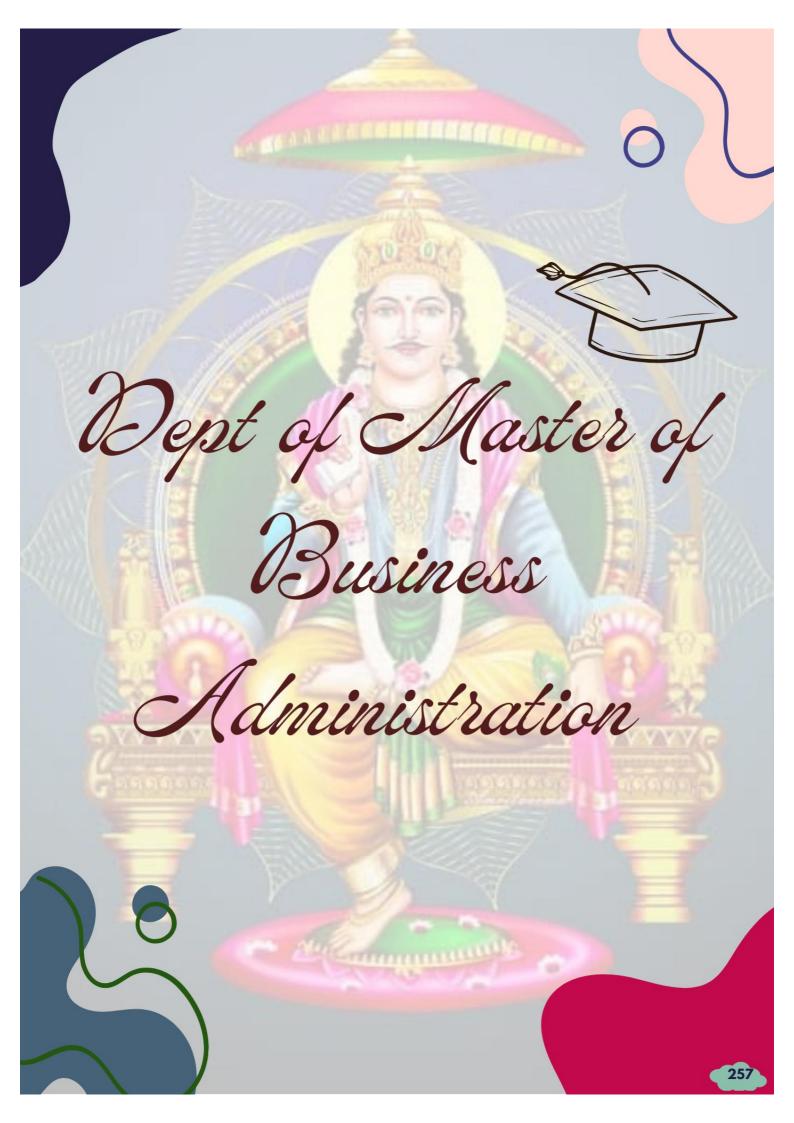


















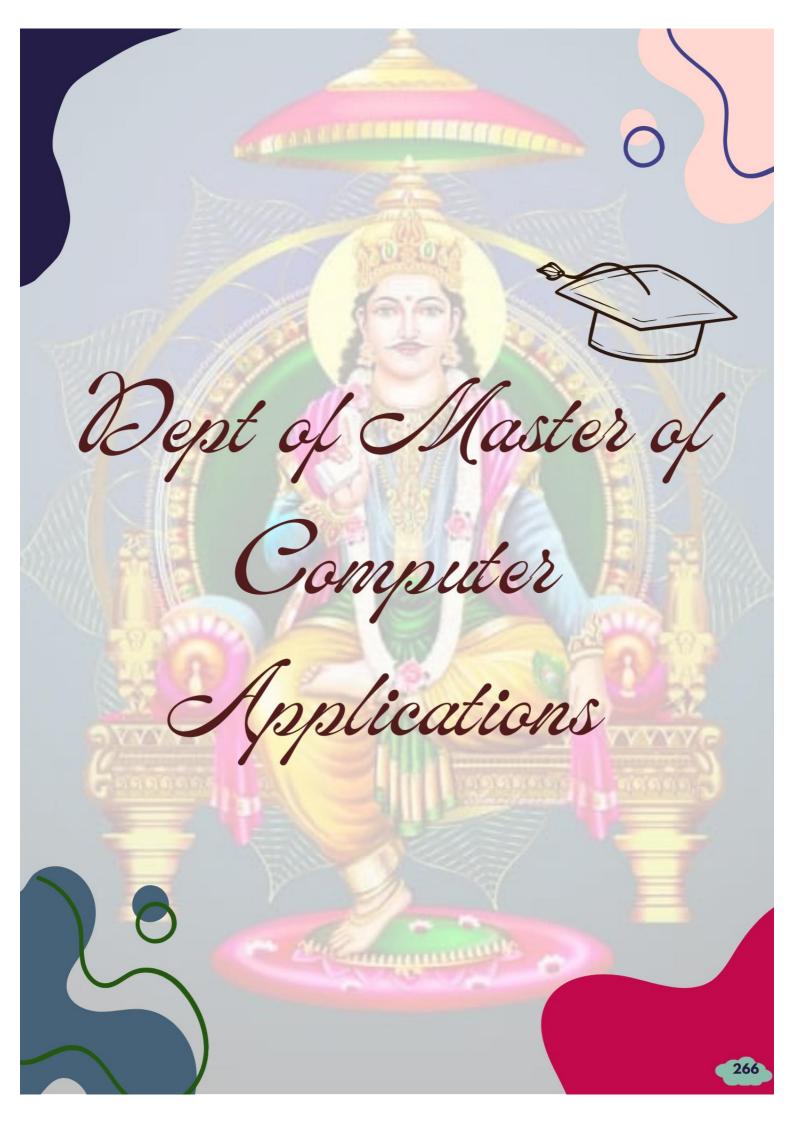




















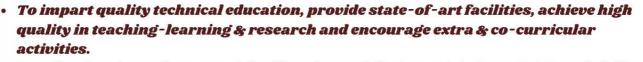


VISION -

MISSION (

• To be a centre of excellence in technical and management education concurrently focusing on disciplined and integrated development of personality through quality education, sports, cultural and co-curricular activities.

 To promote transformation of students into better human beings, responsible citizens and competent professionals to serve as a valuable resource for industry, work environment and society.



• To stimulate in students a spirit of inquiry and desire to gain knowledge and skills to meet the changing needs that can enrich their lives.

- To provide opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbibing professional ethics and societal commitment.
- To create an ambiance and nurture conducive environment for dedicated and quality staff to upgrade their knowledge & skills and disseminate the same to students on a sustainable long term basis.
- To facilitate effective interaction with the industries, alumni and research institutions.

QUALITY POLICY (

We shall consistently endeavor to achieve high standards of quality in technical education and integrated personality development of students so as to meet the continuing demands of the society.



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