



KLS VPP Newsletter

CALENDAR YEAR-2023

Volume. XII

Karnatak Law Society's

Shri Vasant Rao Potdar Polytechnic, Belagavi

Where Skill-Sets
and Knowledge
meets
Aspirations...



The Karnatak Law Society took upon itself to encourage technical education for women by starting a polytechnic for women in the year 1992. In the year 1998, Smt. Ashabai Potdar of Belagavi donated a sizeable sum to the institution in the memory of her late husband and the institution was renamed as Shri Vasant Rao Potdar Polytechnic. In the year 2000 the Polytechnic was converted to Co-educational Institution. Diploma is offered by Board of Technical Examination, and affiliated to directorate of technical education, Bengaluru and the Institute is recognized and approved by AICTE, New Delhi.

Our Vision

To Train Students of Shri Vasant Rao Potdar Polytechnic, Belagavi to Become Creative and Innovative Engineers while imbuing in them Engineering Ethics and Professionalism, thus empowering them to serve mankind.

Our Mission

To Make Vasant Rao Potdar Polytechnic, Belagavi Stand Out as an Institution of Excellence in Building Technical Skills and to Create Individuals of Outstanding Character, Caliber and Entrepreneurial Skills.



CALENDAR YEAR-2023

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Chairman's message

Yet another volume of the KLS VPP e-newsletter is ready to be published. It is a matter of pride that at VPP, we strive to create an inclusive environment for every student by promoting curiosity over compliance and questioning over quiet. Our Aim is to empower our students and the faculty helps them to develop their potential. Education is and always will be challenging enterprise, and to make the quality and standards better the institute will be undergoing the accreditation process examined by National Board of Accreditation shortly.

-Shri. U. N. Kalkundrikar

Principal's message

It gives me immense pleasure to share the volume XII e-news letter 2023 of VPP. After COVID 19 pandemic life is coming to normalcy. Academic activity is also slowly brought to regular schedule. VPP always aims @ holistic development of students. I am pleased to inform you that three departments i.e. Computer Science and Engineering, Electronics and Communication Engineering, Civil Engineering have applied for NBA accreditation which measures the quality. Assuring quality education at VPP, I expect suggestions for our improvement. Appreciation to the editorial team for their consistent work in bringing forth this newsletter.

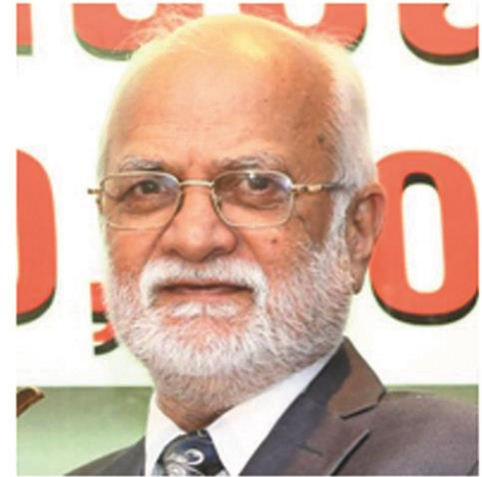
-Mrs. S. S. Malaj

Editor's message

It is again with immense joy that we are bringing forth the XII volume of KLSVPP e-Newsletter for the calendar year 2023. The newsletter mirrors the college vision and mission and it also serves as a source of motivation through inspiration from the achievements and success stories of their peers.

In the pages to follow you will find a summative account of the various events, activities held at the institute along with the achievements of the VPP family during the calendar year 2023.

Happy Reading...!!!!



Editorial Board Members:

1. Mrs. T. Veena
2. Mr. Chinmay Bhandari
3. Mr. Somnath K. Jathar



CALENDAR YEAR-2023

Volume. XII

KLS BOARD OF MANAGEMENT

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Shri Ram B Bhandari	Vice President
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GOVERNING COUNCIL - VPP

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KLS INSTITUTIONS

1. Raja Lakhamgouda Law College, Belgaum [1939]
2. Gogte College of Commerce (GCC), Belgaum [1954]
3. School of Business Management, Belgaum [1977]
4. Gogte Institute of Technology (GIT), Belgaum [1979]
5. Institute of Management Education and Research (IMER), Belgaum [1991]
6. Shri. Vasant Rao Potdar Polytechnic, Belgaum [1992]
7. GCC Bachelor of Business Administration, Belgaum [1996]
8. GCC Bachelor Computer Applications, Belgaum [1999]
9. KLS GCC- PU Science , Belgaum [2001]
10. KLS Pre-Primary and Primary School, Belgaum [2002]
11. Vishwanath Rao Deshpande Institute of Technology (VDIT), Haliyal [2004]
12. Pre-University College, Haliyal [2007]
13. KLS College of Computer Application & Business Administration, Haliyal [2009]
14. KLS Public School, Belgaum [2011]
15. KLS Academy [2019]

INTERNAL QUALITY ASSURANCE CELL

The cell arranges various meetings to enhance the Quality education, provides Calendar of Event for smooth running of all the activities through out the year, All the Activities were conducted under the guidance of principal, IQAC Coordinator Mrs. T. Veena Dept. of Applied Science & Humanities.& team

An expert talk on “**Developments in the field of Computer Science**” was organized on 18th November, 2023 at 10:00 a.m for fifth semester students of CS & EC by IQAC. Resource Person was **Mr. Vidur S. Vatsalya, Program Manager, Microsoft Seattle, USA**

INTERNAL QUALITY ASSURANCE CELL



INTERNAL QUALITY ASSURANCE CELL

To bring the holistic approach towards Teaching and Learning ,two weeks Student Induction Programme(SIP) was organized for the newly admitted students of academic year 2023-24 from 3rd July 2023 to 18th July 2023. Various activities and talks were arranged during this period. Few of them include Talent hunt, Talks by Alumni, Talks on Personality Development, Placement ,Introduction to various clubs under physical activity and information on various scholarships.

INTERNAL QUALITY ASSURANCE CELL



STAFF ADVISOR COMMITTEE

National Youth Day (also known as Rashtriya Yuva Diwas) was celebrated on 12th January 2023 to commemorate the birthday of the great philosopher and social reformer, Swami Vivekananda. The them of 2023 was “Viksit Yuva-Viksit Bharat”. The ideals and teachings of Swami Vivekananda were honored and it inspired and motivated the youth to follow his example and work towards the betterment of the nation. Principal, Staff and students attended the same.



“International Women’s Day” was celebrated on 8th March 2023 at 4:00 pm in BASG hall to celebrate the incredible contributions women have made throughout history and in the present, across various fields like science, technology, arts, politics, and social activism. Event highlighted women’s achievements and recognized their impact on society. The day serves as a reminder of the ongoing fight for gender equality. It raises awareness about issues faced by women like discrimination, violence, and unequal access to opportunities.



STAFF ADVISOR COMMITTEE

Dr. B. R. Ambedkar Jayanti was celebrated on April 14th 2023 at 8.30am in BASG hall to commemorate the birthday of Dr. Bhimrao Ramji Ambedkar, a highly significant figure in Indian history.



EVENTS UNDER STAFF ADVISOR COMMITTEE

“SANSKRITI – 2K23” a two day cultural fest on 19th and 20th May 2023 in which various competitions like Singing, Dance, Photography, Sketching, Treasure Hunt and Ethnic Fashion show were held. Students of all the departments participated in these competitions. Principal Mrs. S. S. Malaj addressed the gathering and emphasized on the importance of cultural and sports activities. Valedictory function was held on 20th May 2023.



STAFF ADVISOR COMMITTEE

"Teacher's Day" celebration on 5th Sep 2023 at 12.30 pm in BASG hall to commemorate the birthday of Dr. Sarvepalli Radhakrishnan and to acknowledge and celebrate educators, while also having a specific focus on Dr. Radhakrishnan's legacy in India. Principal, Staff and students attended the same.



"Engineer's Day" celebration on 15th Sep 2023 at 03:00 pm in BASG hall to commemorate the birth anniversary of Sir Mokshagundam Visvesvaraya (often referred to as Sir MV). He is considered one of the greatest engineers India has ever produced. Contributions of all engineers to the nation recognized and celebrated. The event served as a reminder of importance of engineers in driving innovation, progress, and national development. Principal, Staff and students attended the same.



STAFF ADVISOR COMMITTEE

Academic Prize Distribution and farewell for final year students on 10th June 2023



STAFF ADVISOR COMMITTEE

Gandhi Jayanti and Lal Bahadur Shastri Jayanti was celebrated on October 2nd, to commemorated the birth anniversaries of two remarkable Indian leaders: Mohandas Karamchand Gandhi, the Father of the Nation, and Lal Bahadur Shastri, India's second Prime Minister. To honor their legacy, Principal Mrs. S. S. Malaj and students shared inspiring stories and quotes from both leaders. The event fostered a deep appreciation for the contributions of these leaders and motivated the staff and students to embody their values in our daily lives.



National Mathematics Day is celebrated on December 22nd 2023 at 4:00pm in BASG hall to commemorate the birth anniversary of the legendary Indian mathematician Srinivasa Ramanujan. His exceptional contributions to the field of mathematics was remembered on this day. All the staff and final year students were engaged with the activities conducted by Applied science department.

NATIONAL SERVICE SCHEME(NSS)

To mark the 74th Republic Day Celebrations, the Principal, faculty, staff and students attended Republic day celebration on 26th Jan,2023. The day was filled with patriotic fervor as staff and students actively participated in various events, including cultural performances, poetry recitals, and flag-hoisting ceremonies. The college resonated with the spirit of unity and national pride, evident in the vibrant displays of patriotism and the collective joy of celebrating India's rich heritage and democratic spirit. Staff and students also participated in patriotic events. the celebration was enhanced by the presence of distinguished alumni.



World environment day was celebrated on 5th June 2023. In celebration of World Environment Day, our college community actively participated in a tree-planting ceremony within the college premises. This initiative not only served the noble purpose of environmental protection but also fostered a sense of collective responsibility and community spirit among the participants.



NATIONAL SERVICE SCHEME(NSS)

NATIONAL SERVICE SCHEME(NSS)

International Yoga day was celebrated on June 21st 2023. NSS committee hosted a vibrant event filled with physical and mental rejuvenation. The college community, including the Principal, HODs, and staff members, actively participated under the expert guidance of Ms. Rutuja Shetty, a skilled yoga instructor.



Independence day was celebrated on August 15th, 2023, college reverberated with patriotic spirit as the college community came together to celebrate the 77th Independence Day of India. The day was filled with a sense of national pride and a renewed commitment to the values of freedom, unity, and progress.



NATIONAL SERVICE SCHEME(NSS)

Rastriya Ekta Diwas Saptaha solemnly pledge was taken on 3rd Nov,2023 by Staff of KLS VPP, that "I dedicate myself to preserve the unity, integrity and security of the nation and also strive hard to spread this message among my fellow countrymen. I take this pledge in the spirit of unification of my country which was made possible by the vision and actions of Sardar Vallabhbai Patel". The following events were conducted at the institute level essay writing competition, Rangoli competition and Poster making competition.



Constitution Day was celebrated on 26th November,2023 by the N.S.S. wing of KLS-VPP as part of the 125th Birth Anniversary of Dr. B. R. Ambedkar. On the occasion, all the staff members assembled in the seminar hall and followed the preamble read by the N.S.S. Coordinator Mr. Pradeep kulkarni. Principal, H.O.D's, and faculty members were present on the occasion.



CELEBRATION OF KARNATAKA RAJUTSAVA

Karnataka Rajyotsava was celebrated in KLS VPP on 1st Nov, 2023. Principal, Staff and Students participated in the event..



SKILL DEVELOPMENT CELL

Skill Development Cell organized “**Students academic work exhibition**” for high school children on **10th Jan,2023**. Students from schools like KLS School, KLS public school, Bhatkande school, Balikaadarsh school, etc attended the same.



Mr. Shivganesh Bhalekar, student from Electronics and Communication department displayed his Drone Flying skills to the students on 2nd September 2023. The drone was made by him and his work was appreciated by board members of the society.



PROJECT EXIBITION

Project Exhibition was conducted to display our students project for school kids. Students of all department created innovative mini projects and displayed to all the school students on 24th and 25th Nov, 2023. Department of architecture coordinated the Event.



ELECTORAL LITERACY CLUB

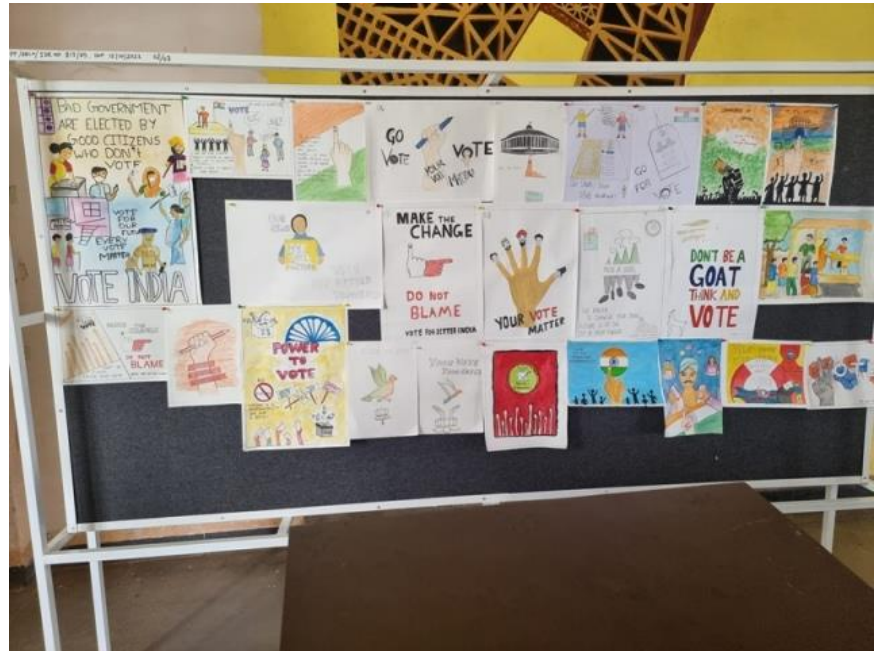
Poster competition was organized in the month of April 2023 by Electoral literacy club of KLS-VPP. Students participated with great enthusiasm and displayed their art on the theme "Every Vote Counts".



बेळगाव : विद्यार्थ्यांना माहिती देताना मतदार साक्षरता संघ नोडल अधिकारी रुपाली रेडेकर, श्रीदेवी मालाज आदी.

केएलएस पॉलिटिकल क्लब पोस्टर स्पर्धा

बेळगाव : विधानसभा निवडणुकीनिमित्त केएलएस पॉलिटिकल क्लबच्या वतीने मतदार साक्षरता क्लबमार्फत पोस्टर स्पर्धेचे आयोजन करण्यात आले होते. विधानसभेच्या निवडणुकांसाठी येत्या १० मे ला मतदान होणार आहे. युवा मतदार आणि जनतेत मतदान जागृती व्हावी यासाठी क्लबच्या वतीने मतदानासंबंधीच्या चित्रांची स्पर्धा घेण्यात आली. याप्रसंगी मतदार साक्षरता क्लबच्या श्रीदेवी मालाज, रुपाली रेडेकर, शिवानी पाटील, सायली सावंत यांनी नियोजन केले होते.



ELECTORAL LITERACY CLUB



Electoral Literacy Club of VPP organized various competitions like Poster Making, Quiz and Essay for the students of KLS VPP from 31st October to 5th November 2023. These competitions raised the awareness amongst students regarding their voting rights. Also the students who had completed 18 years of age were given guidance to register for their voter ID.

LIBRARY

The National Librarian's Day was celebrated on 12th August, 2023 to commemorate the birth anniversary of Padmashree Dr. S.R. Ranganathan, the Indian Librarian and Educator who is known as the Father of Library Science in India and whose contributions have worldwide influence.



Best Library User Award Winners

1. T. Veena and Omkar hattikar for month of August
2. Best Library User Award was given to Mrs. T Veena (SGL, App. Science Dept) & Shreshtha Bagi (CS Dept) in the Month of September 2023.
3. Best Library User Award was given to Mrs. Tanisha Chougule (Inst, CS Dept) & Vedant Desai (Student, CS Dept) in the Month of October 2023



PLACEMENT & TRAINING CELL

Placement talk was delivered by well known industrialist, career counselor and director of Karnatak Law society Shri. Vinayak Lokur (Managing Director, Experts Valve) on 11th Oct, 2023 for all the final year students. Students were highly motivated after the session as sir highlighted importance of Passion and Knowledge.



DEPARTMENT OF ARCHITECTURE



Site visits for 4th semester students of Batch-1 was organized on 3rd March 2023 to visit "Santorini" café & kitchen, Udyambag for Architectural Drawing-II subject accompanied by Ar. Rushikesh Gadavi, Lecturer, Architecture Department, Ms Vaidehi Yadav, Instructor, Architecture Department.

Study Tour to Rajasthan from 9th March 2023 to 18th March 2023 was organized by Department of Architecture for 3rd & 5th semester students, the students were accompanied by Ar. Chinmay Bhandari, HoD, Lecturer, Department of Architecture, Ar. Siddharth Jadhav, Lecturer, Ar. Shivani Patil, Lecturer, Ar. Sayali Sawant, Lecturer.



DEPARTMENT OF ARCHITECTURE



Site visits for 4 th semester students of Batch-2 on 29 th March 2023 to KLS Public School, Piranwadi for the subject Architectural Drawing-II accompanied by Ar. Rushikesh Gadavi ,Lecturer , Architecture Department , Ms Vaidehi Yadav, Instructor , Architecture Department.

Site visits for 2nd semester to view the campus of Karnatak Law Society buildings , landscape etc on 9th & 15th March 2023 for Project Management Skills subject accompanied by Mrs Vaidehi Yadav, Instructor, Architecture Department.

Site visits for 4th semester students , visited "Venugopal Auditorium" on 31st May 2023 for Building Construction & Drawing-II and Building Services & Drawing subject accompanied by Ar. Shivani Patil ,Lecturer, Architecture Department and Ar. Sayali Sawant ,Lecturer, Architecture Department.

Site visits for 4th semester students , visited "K.L.S campus" in the month of April 2023 Building Services & Drawing subject accompanied by Ar. Shivani Patil ,Lecturer, Architecture Department.



DEPARTMENT OF ARCHITECTURE

Ar. Sayali Sawant conducted Site visit for 3rd semester students of Architecture for Building Construction & Drawing-I Subject, on 19th August 2023 visited Construction site near Ram Mandir, Bhagayanagar to study foundation and materials of construction .



Entrepreneurship awareness programme by CBPI was organized by Ar. Siddharth Jadav , for the all semester students of Architecture and First semester students of Computer Science Dept., Electronics and Communication dept., Mechanical Dept. and Civil Dept on 29th & 30th August 2023.



DEPARTMENT OF ARCHITECTURE

Model making workshop was conducted by Ms Vaidehi Yadav, Instructor, Architecture Department, on 14 September 2023, was invited as a resource person to teach skills (Preparing model of a small room) for the students of Saraswati Girls High School, Shahapur, Belagavi, organized by Rotaract Club of Venugram.



Industrial visit to Khanapur, Granite tile manufacturing industry (Siddheshwar Granites) was organized by Department of Architecture for the students of Architecture and Civil Engg. Ar. Chinmay Bhandari, HOD, and Mrs Swati Joshi accompanied students for the visit on 15th September 2023.





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DEPARTMENT OF ARCHITECTURE

STAFF ACTIVITIES AND ACHIEVEMENTS

- Ar. Shivani Patil ,Lecturer, Architecture Department was invited as Interviewer at KLS Public school, for the post of drawing teacher.
- Ram Mandir Model was prepared by Mrs Vaidehi Yadav, Dept of Architecture on 19TH September 2023 for Ganapaty Decoration for Sidhakala Ganeshutsav Mandal , SV road Angol Belgaum. Her work was appreciated by Shri Abhay Patil(MLA, Belagavi Dakshin)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Add on course on "C Programming" for I sem students was conducted from 15th Feb to 22nd Feb 2023.



COMPUTER SCIENCE & ENGINEERING

Dept. of C.Sc & Engg. organized Flyer Designing competition for 4th sem C.Sc. students on 7th May 2023.



KLS'SHRI VASANTRAO POTDAR POLYTECHNIC
<https://www.klsbelgaum.org>

ADMISSION NOW OPEN
START 05 MAY

PROGRAMS STUDY

- Computer Science & Engg
- Architecture Assistantship
- Electronics & Communication
- Mechanical Engineering
- Civil Engineering

MISSION
 To create a generation of Students, Professionals, Engineers, Technicians, Belgaum to become Creative and Innovative Engineers who are working in their Engineering Ethics and Professionalism, who Engineering them to serve Human Kind.

Contact Us:
 0831-2405505
 klsppbgm@gmail.com

RPD ROAD NEAR KLS' LAW SOCIETY
 By: Sahil Angolkar

Shri Vasant Rao Potdar Polytechnic
 Belgaum - 590006, Karnataka, India
 ESTD: 1992

ADMISSION 2023-24 OPEN

WE OFFER:-
 THREE YEARS (SIX SEMESTER)
 DIPLOMA COURSES IN:
 ARCHITECTURE ASSISTANTSHIP (PAR),
 COMPUTER SCIENCE & ENGINEERING (CS),
 ELECTRONICS & COMMUNICATION ENGINEERING (ECE),
 MECHANICAL ENGINEERING (ME),
 CIVIL ENGINEERING (CE).

INSTITUTION CODE - 457

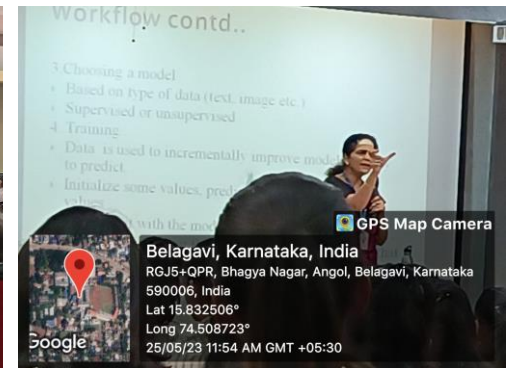
12th LATERAL ENTRY FOR PCC AND ITS SYNERGY 2ND SEM
 12th LATERAL ENTRY FOR PCC AND ITS SYNERGY 3RD SEM
 12th LATERAL ENTRY FOR PCC AND ITS SYNERGY 4TH SEM

KLS CAMPUS TELAKAWARI, BELGAUM-590006.
 PRINCIPAL: 2405505, PRINCIPAL DIRECT: 0831 2423301.

MADE BY: **ADARSH BIRBHAR**
 NUSUM NUSUM
 A TALENTED PROFESSIONAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A technical talk was arranged on “Introduction to Artificial Intelligence and Machine Learning” for IV and 4th sem students on 25/5/23. Dr. Reshmi Rachh, Assistant Prof. Dept of C.SC VTU, Belagavi was the resource person.



Students of 5th sem CS went for Industry visit along with Mrs. Upama Kulkarni and Mrs. Nandini C.V. to Laila Sugars Pvt LTD., Khanapur on 23rd Nov,2023.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COMPUTER SCIENCE & ENGINEERING

Industry class on Cyber Security at 11:00 am by Prof. Sagar Pujar , Asst.Prof., KLS, GIT, Belagavi on 5/08/23.

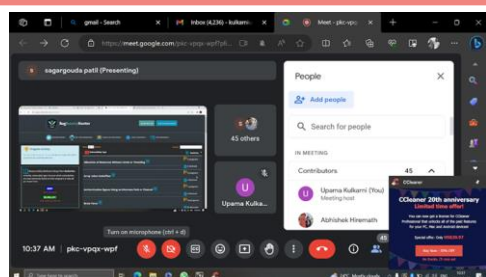
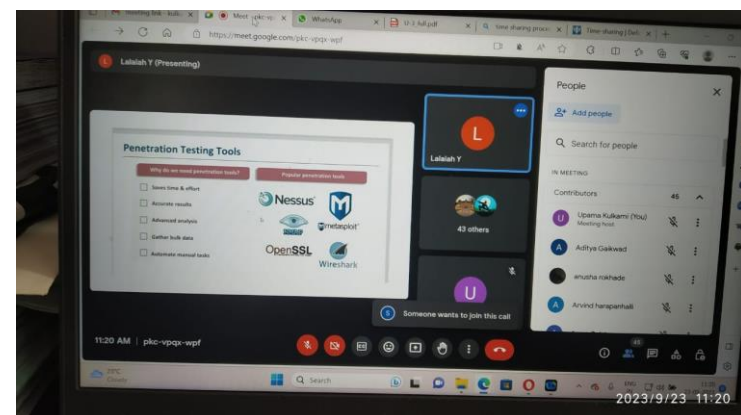
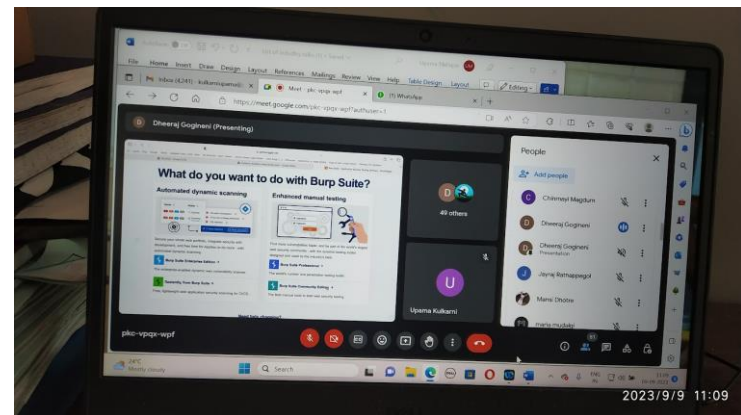
Online Industry talk on Applications of Cryptography held on 12/08/23 by Prof. Sagargouda Patil, Assoc.Prof. and Dean (R&D), Dept. of CS&E, Dr. D.Y.Patil College of Engineering , Kolhapur.

Industry class on “High Availability and Load Balancing” at 11:00 am to 12:30pm on 19/08/23 by Prof. Sagar Pujar , Asst.Prof., KLS, GIT, Belagavi.

Online Industry held talk on “System Security and “Source code scan using a commercial tool like microfocus fortify or checkmarkz” at 10:30 am by Mr. Dheeraj Gogineni , Information Security Engineer, Hyderabad on 2/09/23.

Online Industry talk held on “Dynamic analysis using Qualys” at 11:00 am to 12:30 pm by Mr. Dheeraj Gogineni , Information Security Engineer, Hyderabad on 9 /09/23 for V sem students.

Expert talk held on “How penetration testing is used in companies to improve their security posture “ by Mr. Lalaiiah Yatakula, Senior Architect, AKM Global Solutions Pvt. Ltd., Bangalore on 23/Sep/2023 at 10:30 am to 11:45 am for V sem students.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING STAFF ACTIVITIES AND ACHIEVEMENTS

- Mrs. Anuradha Desai and Mrs. Upama Kulkarni attended one day 25th ISTE one day FDP on NEP, NAAC and NBA organized by KLS GIT on 26th April 2023.
- Sakshi Joshi cleared NPTEL exam on Programming in JAVA with 80%.
- Mrs. Sakshi Joshi cleared NPTEL certification course on "Problem solving through programming in C" in the month of Nov, 2023.

STUDENTS ACTIVITIES AND ACHIEVEMENTS

- VI sem students participated in AURA event conducted by KLS GIT and won second prize in Treasure Hunt event.
- Samruddh H. Xavier and Madhav P. won 3rd place in Games event organized at KLE engineering college.
- Students of 3rd sem CS won 3rd place in LAN Gaming organized by KLE Society's College of Business Administration & "VRTTANTA 2023" on 9th and 10th Nov, 2023
- Kirthi Naik student of 1st sem CS, secured Gold medal in 5th National level Karate Competition organized by Belagavi dist. Sports Karate Association, on 28th and 29th Dec, 2023.
- Ms. Kriti Naik secured gold medal in 8th National invitational Karate Championship-2023.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organized an Industry talk (as a part of syllabus) on topic "IIoT Design Considerations, Applications and Database Management" on 5th January 2023 for 5th Semester students. Resource person is Mr. Sarvesh Kakkeri, Co-founder Cubiccode, Belagavi.

Mr. Pramod Terdalkar and Mr. Vilas Hiroji, Instructor, Department of Electronics & Communication Engg., constructed kits for EIA lab (4 th Semester Mechanical Engg. department)





ESTD: 1992

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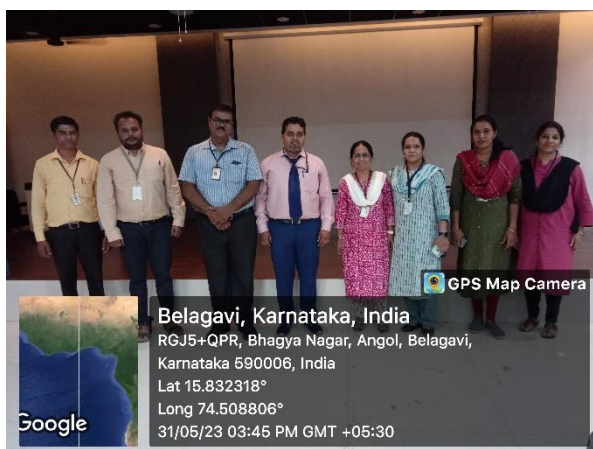
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS & COMMUNICATION ENGINEERING

Department of Electronics & Communication Engg. organized "Technical Talk" for all the students of E&C, KLS VPP on Saturday, 30th May 2023 on topic "Software & System's Engineering in Automotive Industries" Resource person Mr. Ghansham Kalpavriksha, Senior System engineer, Sensata Technologies.

Department of Electronics & Communication Engg. organized "Technical Talk" for all the students of E&C, KLS VPP on Saturday, 31st May 2023 on topic "Raspberry Pi" Resource person Prof. Praveen Kalkundri, Dept. of E&C, KLS GIT, Belagavi.

Department of Electronics & Communication Engg. organized "Technical Talk" for all the students of E&C, KLS VPP on Saturday, 31st May 2023 on topic "Importance & Benefits of IEEE and ISTE" Resource person Prof. Abhishek Deshmukh,, Dept. of E&C, KLS GIT, Belagavi.





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STAFF ACTIVITIES AND ACHIEVEMENTS

- Mr. Abhiman Deshpande, Lecturer attended National Level “Introductory UHV FDP (English)” from 31/01/2023 to 6/02/2023 (5 days).
- Mrs. Neelam Somannavar, Lecturer attended National Level “Introductory UHV FDP (Hindi)” from 06/02/2023 to 10/02/2023 (5 days).
- K.S.Bharathi & AMRUTA Devangavi attended the interaction programme with Dr.S.Sadagopan at KLS,GIT on 20 th April.
- AMRUTA Devangavi and Neelam Devangavi attended 25th ISTE Karnataka state level; faculty convention & Faculty development programme on NEP, NAAC and NBA at KLS,GIT on 26th April 2023.

STUDENTS ACTIVITIES AND ACHIEVEMENTS

- Student of 5 th sem Shivganesh Bhalekar, E&C Participated in ANUTTARA 2023 held at Sant Gajanan Maharaj Polytechnic, Mahagaon in the ROBO Racing competition on 14th Oct 2023

DEPARTMENT OF CIVIL ENGINEERING



Mr. Pratik Lohar conducted a workshop from 31st Jan 2023 to 4th Feb 2023 (one week) on Vastu Shastra in construction for the students of civil Engineering and Architecture department

CIVIL ENGINEERING



Students of 4th semester visited a Building construction site on 22nd May 2023 and gained knowledge of job layout, steel fabrication and structural drawing and detailing under the guidance of Mr. Pratik Lohar.(Lect./CE).



DEPARTMENT OF CIVIL ENGINEERING

Students of 2nd, 4th and 6th semester Civil Engg Dept visited Balaji RMC Plant and Hidkal Dam on 2nd June 2023 along with staff members Ms. Laxmi Angadi, Mr. Pradeep Kulkarni, Mr. Pratik Lohar and Ms. Swaroopa Aptekar.



CIVIL ENGINEERING

Students of First semester of department of civil engineering and Architecture visited Siddeshwar Granite factory in Khanapur on 15/9/2023 along with the staff members Mrs. Swati Joshi and Mr. Chinmay Bhandari.



DEPARTMENT OF CIVIL ENGINEERING

Students of 3rd semester visited terrace roofing work site at KLSVPP on 21/09/2023 and gained information & knowledge of steel structural elements, trusses, connections, arrangement of roofing sheets etc... under the guidance of MR. Pratik R Lohar Lect/CE.



CIVIL ENGINEERING



Inauguration of ISTE student chapter and Workshop on QGIS –On 25/9/2023 ISTE student chapter was inaugurated and dept of Civil Engg organized three days hands on workshop on QGIS in association with ACE and ISTE Resource Person: Dr. Nagraj S. Patil, Mr. Akshay Gundagi Chairman and Associate Professor, Dept of Civil Engineering.

DEPARTMENT OF CIVIL ENGINEERING

Students of First semester of department of civil engineering and Architecture visited construction site in Ashok Nagar Belgaum on 13/10/2023 along with the staff members Mrs. Swati Joshi and Mr. Chinmay Bhandari. The students got opportunity to see the latest technology construction of fly ash bricks.



Extensive Survey camp -Students were taken to Extensive Survey camp to Sahyadri Nagar site from 16 th Oct to 18 th Oct, staff accompanied Mr. Pradeep Kulkarni, (Lect /CE)



DEPARTMENT OF CIVIL ENGINEERING

STAFF ACTIVITIES AND ACHIEVEMENTS

- Ms. Laxmi Angadi attended Faculty development programme from 30th Jan 2023 to 4th Feb 2023 (5 day) on Universal Human Values conducted by AICTE and got certification.
- Ms. Laxmi Angadi and Mr. Pradeep Kulkarni attended one Day ISTE convention (25th state level) on NEP, NAAC and NBA on 26th April 2023.
- Mr. Pradeep Kulkarni attended Faculty development programme from 30th Jan 2023 to 4th Feb 2023 (5 day) on Universal Human Values conducted by AICTE and got certification.
- Mr. Pradeep Kulkarni and Ms. Swaroopa Aptekar were called by Administrative office (society) for the preparation of comparative statement of KLS VPP Roof Covering And repainting works.
- Estimation of proposed rest room and grill at ground floor was furnished by Mr. Pratik Lohar and Mr. Pradeep Kulkarni.

STUDENTS ACTIVITIES AND ACHIEVEMENTS



Master Tejas Patil and Master Sangangouda Patil Secured 1st prize in Tricky Surveying Event at National Level Tech fest 'Vishwasangam 22023' organized by Engineering and Technology. Students are awarded with cash prize of Rs. 3000/-.

DEPARTMENT OF MECHANICAL ENGINEERING

Two days workshop to learn solid edge for the students was organized by CAD academy on 6th of January 2023 for the first year students. Students actively participated in the workshop and learnt basic commands and solid modeling.



2nd and 4th semester students visited to Belgaum Sugars Pvt. Ltd., Hudali. Dist : Belagavi on 26th May 2023. The students were accompanied by Prof. S. H. Bhagavati and Prof. K. M. Angadi



DEPARTMENT OF MECHANICAL ENGINEERING

The Department organized Alumni Talk on 6/07/2023 on the topic of "Opportunities after completing diploma in Mechanical Engineering" by Mr. Gururaj Korti and Mr. Shrinidhi Desai. They explained the various areas in which the students could make their carriers in. Also they presented in detail the different paths they have taken in their carriers to all mechanical the students interacted with the resource persons and were able to clear the doubts regarding various fields.



Fifth semester students visited the KLS's GIT college for 3D printing workshop in the month of September 2023. Students learnt about different advancements and opportunities in 3D Printing. Students were accompanied by Prof. Somnath K. Jathar.



DEPARTMENT OF MECHANICAL ENGINEERING

Fifth semester students visited the automation laboratory of KLS's GIT college to learn the working principle of Automated Storage and retrieval System(ASRS). Students also learnt the advancement in automation and how it is helping in improving production. Prof Vivek Tiwari guided the students. Students were accompanied by Prof. Somnath K. Jathar.



Fifth semester students visited the Composite laboratory of KLS's GIT college in the month of September to learn the composite materials and equipment's and machineries required to make composites. Prof Mahesh Kori guided the students. Students were accompanied by Prof. Somnath K. Jathar.



DEPARTMENT OF MECHANICAL ENGINEERING

Students of fifth semester mechanical engineering visited the Makers lab of KLS's GIT college to learn the working of Laser cutting and its process parameters. They were also demonstrated the different types of 3D printing technologies and how to use them to make prototypes. Prof Mahesh Kori guided the students.



Fifth semester students visited the Wind tunnel laboratory of Aeronautical department of KLS's GIT college in the month of September. Students were demonstrated with wind tunnel testing of simple specimen. Prof. Viviek Tiwary and Vijay Shirvalkar(Instructor/ME) guided the students. Students were accompanied by Prof. Somnath K. Jathar.



DEPARTMENT OF MECHANICAL ENGINEERING

A career guidance session was arranged in KLS's GIT college for fifth semester students in the month of September 2023. Prof. Anand Kulkarni Gave presentation for the students regarding placement opportunities and Higher studies.



STAFF ACTIVITIES AND ACHIEVEMENTS

- Mr. Sudhindra Kulkarni attended Faculty development programme from 30th Jan 2023 to 4th Feb 2023 (5 day) on Universal Human Values conducted by AICTE and got certification.
- Mr. Somnath K. Jathar attended Faculty development programme from 6th Feb 2023 to 10th Feb 2023 (5 day) on Universal Human Values conducted by AICTE and got certification.
- Mr. Somnath Jathar Completed Sixteen Weeks course on "Teaching and Learning from SWAYAM and scored 68% in proctured Exam.
- Mr. S. H . Bhagavati was invited as a Judge for "Poster presentation" in Jain college of Engineering on August 26th 2023.



DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

- Conducted "Basic Mathematics Course" classes for final Year students resource person were Mrs. T.Veena, Mrs . Roopali Redekar.
 - Quiz was organized by the Dept , during "International Woman's Day Celebration".
 - Successfully conducted DCET 2023, Classes for Final Year students.
- Resource Persons:
- Ms. T.Veena
Ms. Roopali Redekar
Ms. Gayatri Bedekar
Ms. Neelam Sommannavar
Mr. Pratik Lohar
- Conducting "Basic Mathematics Course" classes for final Year students resource person were Mrs. T.Veena, Mrs . Roopali Redekar.

STAFF ACTIVITIES AND ACHIEVEMENTS

- Mrs. T Veena and Mrs. Roopali Redekar have attended the interaction programme with Dr. S. Sadagopan Director, IIT Bengaluru organized at KLS GIT Belagavi on 20th April 2023.
- Ms Roopali Redekar visited High schools in Khanapur, for publicity of College, under the guidance, of Publicity incharge Ms T.Veena.

**ARTICLE 1:****Mathematics for Engineering and Technology**

We are in the age of applying the fruits of research in science, whether be it in our day to day needs or something very complex that impacts nature. Interestingly these were seen as problems in the beginning. Whenever one notices it as a problem a solution to the problem is sought. Generally the knowledge mathematics is conceived as an agent to solve problems. Numbers which are amenable for computing have become the main objects of mathematics. The methods, tools and techniques developed with the aid of mathematics stands as testimony to its applicability even in the present scenario.

Artificial intelligence (AI) these days has become the buzz word for the present generation with perception on one side as a problem solver and on the other hand it is also seen as threat invading one's privacy and security related issues. The need for using AI should clearly ward off the fear of being vulnerable for any attack. Undoubtedly AI has contributed significantly to the quality of life of a common man. Imagine its multiple use in areas specially in the medical field - monitoring heart problems, treating conditions related to eyes etc, also predicts a host of catastrophic events such as - floods, cyclones along with carrying out the massive exercise of nation census, planning and monitoring agricultural produce for economy and elections. Therefore nobody would doubt its effectiveness in addressing large scale problems that require the analysis of huge data.

Having seen AI as an emerging technology for problem solving as a machine learning device. In this discourse we clearly notice that the powerful methods of mathematics are employed in every area of the above mentioned applications.

We often hear people use AI and machine learning (ML) interchangeably, especially when discussing big data, predictive analytics, and other digital transformation topics. The confusion is understandable as artificial intelligence and machine learning are closely related. However, these trending technologies differ in several ways, including scope, applications, and more.

For example: A calculator computing the greatest common divisor (g.c.d) of two numbers a, b looks artificial when compared to a student calculating it by mental exercise. Why should anybody be interested in computing the g.c.d of two numbers. The same inquisitive mind would also notice that they help in constructing combinatorial objects like groups, finite fields which are of great applicable value in developing powerful codes for communication theory (deep space explorations), for search engines to track consignments in supply chain as cost effective solutions.

In this case the mathematical process of computing g.c.d comes up as an algorithm given by Euclid himself around 300 B.C. which is witnessed as an algorithm run on computers nowadays. From this simple looking exercise we are astonished to see the development of several hundreds and thousands of codes go into solving a complex problem ultimately. We are all excited when we a Tesla car driven on the road or a drone used to captures photos and videos events like weddings, live music shows, etc. The level of mathematics involved in performing such engineering feats is highly abstract in nature wherein the same geometry, algebra and calculus are used to design.

Continue.....

Mathematics for Engineering and Technology

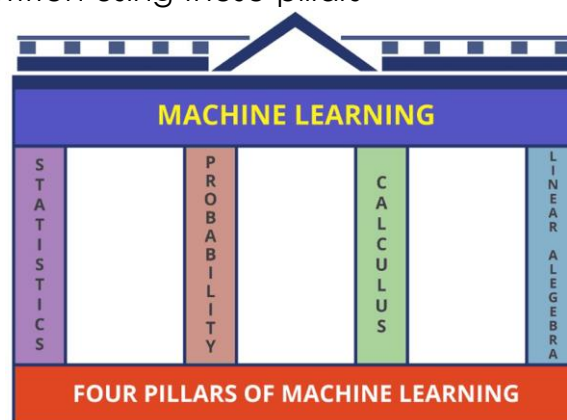
Why do I need to Learn Math?

Math is an essential part of our day-to-day life. From the time we wake up to the time we go to bed, we use math in every aspect of our life. But you may want to know the role of math in Machine learning and how it is applied.

Whatever your goal is, whether it's to be a Data Scientist, Data Analyst, or Machine Learning Engineer, your primary area of focus should be on "Mathematics". Math is the basic building block to solve all the Business and Data driven applications in the real-world scenario. From analyzing company transactions to understanding how to grow in the day-to-day market, making future stock predictions of the company to predicting future sales, Math is used in almost every area of business. The applications of math are used in many Industries like Retail, Manufacturing, IT to bring out the company overview in terms of sales, production, goods intake, wage paid, prediction of their level in the present market and much more.

Pillars of Machine Learning

To get a head start and familiarize ourselves with the latest technologies like Machine learning and Artificial Intelligence, we have to understand the basic concepts of Math, write our own Algorithms and implement existing Algorithms to solve many real-world problems. Given below are the four pillars of Machine Learning, in which most of our real-world business problems are solved. Many algorithms in Machine Learning are also written using these pillars



If you are averse to math then you're probably not going to have much fun in Artificial Intelligence. But if you're willing to invest time to improve your familiarity with the principles underlying calculus, linear algebra, stats, and probability, nothing should get in the way of you getting into AI. Math really is fun. As you go deeper into math, be sure to understand the beauty of a certain math concept and how it affects something. You'll soon share an enormous passion that many mathematicians and AI Scientists have!



ARTICLE 2:

Sustainable and Innovative Filaments: Reshaping the Future of FDM 3D Printing

FDM 3D printing has become a game-changer, but traditional filaments often raise concerns about sustainability and limitations. Renewable filaments and filament innovations are emerging as a powerful response, offering a glimpse into a future that is both eco-friendly and versatile.

Sustainable Solutions:

Bio-based PLA: Derived from renewable resources, bio-PLA offers excellent printability and biodegradability, making it ideal for eco-conscious projects. However, it may have lower heat resistance than traditional PLA.

Cellulose Filaments: Created from plant-based materials, these filaments are fully biodegradable and offer a unique wood-like aesthetic. They require specific printing due to their moisture absorption.

Recycled Filaments: Made from post-consumer waste, these filaments promote a circular economy and offer a cost-effective, sustainable alternative. Their properties can vary depending on the source material.

Innovation Pushing Boundaries:

Metal Filaments: Containing metal particles, these filaments enable the creation of 3D-printed parts with metallic properties like conductivity or increased weight. They require specialized printers and post-processing techniques.

Composite Filaments: Combining different materials, these filaments offer a unique blend of properties. Wood-filled filaments provide a wood-like aesthetic and improved stability, while carbon fiber-filled filaments enhance strength and stiffness.

Functionally Graded Filaments: These filaments possess varying compositions along their length, allowing for 3D-printed parts with customized properties in different zones.

The Road Ahead: The development of these filaments is propelling FDM 3D printing towards a more sustainable and versatile future. As research continues, we can expect even more advanced filaments, further expanding the capabilities of this transformative technology.

Remember:

- Choosing the right filament requires considering desired properties, printing compatibility, and environmental impact.
- New filaments may require adjustments to printing parameters and specialized equipment.
- The cost may be higher than traditional options, but the benefits may outweigh the initial investment.

By embracing these advancements, the FDM 3D printing community can contribute to a more sustainable future and unlock the full potential of this technology.

--Prathamesh P. Gurjar (HOD, Department of Mechanical Engineering) &
Somnath K. Jathar (Lecturer, Mechanical Engineering)



ARTICLE: 3

Empowering Education: How AI is Transforming the Classroom

Artificial intelligence (AI) is rapidly transforming various industries, and education is no exception. This powerful technology holds immense potential to personalize learning, enhance accessibility, and empower educators, ultimately fostering a more engaging and effective educational experience for all.

Personalized Learning: AI can analyze student data, including learning styles, strengths, and weaknesses, to tailor the learning experience to their individual needs. This can involve creating personalized learning paths, recommending relevant resources, and providing targeted feedback. Imagine an AI-powered platform that adjusts the difficulty of exercises, suggests additional reading materials based on a student's interests, and offers personalized feedback on their writing assignments.

Enhanced Accessibility: AI-powered tools can break down barriers for students with disabilities. Text-to-speech and speech-to-text applications can assist students with visual or reading impairments, while language translation tools can support students from diverse linguistic backgrounds. Furthermore, AI can power virtual assistants that can answer questions, provide guidance, and offer support outside of the classroom, ensuring no student is left behind.

Empowering Educators: AI can free up educators' time by automating tedious tasks like grading multiple-choice tests and scheduling appointments. This allows teachers to focus on more personalized interactions with students, providing them with the time and resources to offer individual support and cater to diverse learning styles. Additionally, AI can analyze student data to identify areas where the class might be struggling, allowing teachers to adapt their teaching methods and address any knowledge gaps effectively.

The Future of Education: While AI offers exciting possibilities, it's crucial to remember that it is a tool, not a replacement for educators. The human touch remains vital in fostering critical thinking, creativity, and social-emotional development in students. As AI continues to evolve, it's essential to develop and implement it responsibly, ensuring ethical considerations, data privacy, and equitable access for all students.

By harnessing the power of AI responsibly, we can create a future where education is personalized, accessible, and empowers learners of all backgrounds to reach their full potential

-**Somnath K. Jathar**(Lecturer, Mechanical Engineering)



CALENDAR YEAR-2023

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YOU