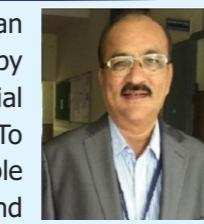


Principal's Message

Technical Education plays a vital role in human resource development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life. To produce fully skilled manpower/ knowledgeable technocrats in the present era of science and technology is the need of the hour. Presently, the education paradigm is staring at a large shift and technical education cannot remain immune to that change. On the other hand, not a single industry body, be it CII, FICCI or ASSOCHAM has managed to effectively inform the education planners on the growth in different employment sectors. In this juncture, associate professional bodies like Indian Society for Technical Education should participate in the technical education planning. ISTE should act as a bridge between Industry bodies and technical education. Speedier development of technical education is essential even to implement "National Education Policy". I hope our ISTE chapters will chalk out to the necessary programmes in this direction. I appreciate the functioning of our chapters which brought so many laurels to the college in the form of awards at state/national levels. Finally, I am very much pleased about the publication of colourful news bulletin "Eureka", since documentation is very vital to showcase our activities and achievements.



Dr. R.M Mahalinge Gowda

Chairman - ISTE Karnataka Section



Dr. Suresh D S
Chairman - ISTE Karnataka Section
Director, CIT Group of Institutions

Congratulations to the I.S.T.E Chapters since they are extraordinarily active from decades and clinched several prizes/awards at state/ national awards. Also, I am very much glad to note that, P.E.S.C.E, Mandya is the first college in the Karnataka state to organize the "5 days COVID vaccination camp" in their campus. am very happy to learn that in spite of the turbulence of the pandemic, ISTE Chapters of P.E.S College of Engineering, Mandya are conducting several Academic, Awareness, Cultural and Social service activities. These are very useful to boosts up the Job potential of the students and Personality development of faculty and useful to all the stakeholders including the people of Society. I am very much indebted to the management under the dynamic leadership of Chairman, Sri.K.S Vijayanand for having constantly encouraging and supporting all the activities of Chapters of I.S.T.E. Also, my sincere appreciation to the vibrant navigation of Principal Dr.R.M Mahalinge Gowda in steering the activities of the Chapters. Finally, the role of News bulletin editor is crucial, to convert ordinary article/news into meaningful and colorful News bulletin as C.J Cherryh quoted, "It is perfectly okay to write garbage – as long as you edit brilliantly". I thank for the rewarding efforts of the editorial panel.

President's Column

ISTE Chapters have been very active even in the critical era of the "Corona pandemic". Chapters have taken the challenge of Corona pandemic as an opportunity to grow, to serve and to develop. In



Dr. B.S. Shivakumara

spite of the pandemic, chapters have organized series of activities with "Corona pandemic" as epicenter. Most of the activities are keened towards creating awareness about this burning issue of the world and eradicating it. In today's aggressive world, to grow, the students should fix the proper goal to achieve it. They should be "**SMART**" in fixing the goal. i.e., Specific, Measurable, Achievable, Relevant, Time bound. Through its activities and programs, the chapters are trying to make an attempt to mould the students as "**SMART**". I am very much grateful to Chairman, P.E.T (R) Sri K.S Vijayanand and Principal & also our rector Dr.R.M Mahalinge gowda for their valuable guidance and support to our chapters. Lastly, there is a citation on editing "Editing is like watching the seed of your story grow into beautiful flower" (by Dawn Ross). I am very much thrilled about the flourishing efforts of the editorial troop of "Eureka" under the leadership of Professor Dr. Mahendra Babu and Professor B.P Chaitra who have added the charisma to this news bulletin.

Chief Editor's Column



Dr. Mahendra Babu.K

Warm greeting and wishes with pleasure on the releases of annual magazine of EUREKA. This is a culmination of our PESCE family versatile talents at various fields undoubtedly this issue will highlight the milestones in the luminous history of the collage. Our hear by wishes towards our students and faculty members to bring in many more articles for future blooming of the EUREKA in the years to come.

Co-Editor's Message



B.P Chaitra

I am very much thrilled to announce that ISTE PESCE Chapters are releasing another volume of news bulletin "EUREKA-2021". The activities of ISTE chapters are inculcated the leadership qualities among members of the staff and students. ISTE chapters added the jewels to the crown of PESCE by bagging various awards at state/ national level. This news bulletin is a collection of general, technical articles and photos. In precise, it is the Bird's eye view of the activities/success of the chapters/college. As quoted by Christian Marclay, "The process of editing is what I enjoy most - putting the pieces together and making sense out of them". The editing job bestowed me a delighted experience and enhanced my knowledge also.

I thank the concerned for the same.

EUREKA Editorial Committee - 2021

Editor: **Dr. MAHENDRA BABU K J**

Co-Editor: **Chaitra B.P**

Student Editors: **Kenneth J. Christopher, Mahima Bhat Mohana Priya**

"Throughout history, people with new ideas—who think differently and try to change things—have always been called troublemakers."

- Michelle Mead

"A problem well stated is a problem half solved."

- Charles Kettering

Putting The Performers

V R not Book Worms V R Honeybees ISTE Endowment Award -2021 Winners



<p>AKASH PATRIC 4PS17ME004 Mechanical Engineering Endowment Medal Smt.T.H. Mala & Dr. K.S.Srinivasan Endowment Medal CGPA: 9.34 Name & Address of Donor Dr. K.S. Srinivasan, Bangalore</p>	<p>THEJORASHMI H S 4PS17AU026 Automobile Engineering Endowment Medal Dr. K.P. Srinivasa Setty Endowment Medal CGPA: 9.01 Name & Address of Donor Dr. K.P. Srinivasa Setty Bangalore</p>	<p>SINCHANA A N 4PS18CV424 Civil Engineering Endowment Medal Smt. Nagamma & N.T. Cheluvegowda Endowment Medal CGPA: 9.67 Name & Address of Donor Dr. N.T. Cheluvegowda</p>	<p>AKANKSHA KUMARI 4PS17CS005 Computer Science & Engineering Endowment Medal Sri. Puttaswamy Endowment Medal CGPA: 9.44 Name & Address of Donor Dr. P. Suresh Mysore</p>
<p>DHANUSH N L 4PS17IP009 Industrial & Production Engineering Endowment Medal Sri. M.K. Ramaiah Endowment Medal CGPA: 8.72 Name & Address of Donor Sri. M.K. Ramaiah Mandya</p>	<p>RANJAN D 4PS17IS013 Information Science & Engineering Endowment Medal Sri. Puttaswamy Endowment Medal CGPA: 8.85 Name & Address of Donor Dr.P Suresh , Mysuru.</p>	<p>CHAITHRA C B 4PS17EE004 Electrical & Electronics Engineering Endowment Medal Sri. Mulemachana Boregowda Kallahalli, Endowment Medal CGPA: 9.26 Name & Address of Donor Prof. K.B. Boraiah Mandya</p>	<p>TANUSH A A 4PS17EC102 Electronics & Communication Engineering Endowment Medal Sri. Samartha Endowment Medal CGPA: 9.28 Name & Address of Donor Sri. Samartha Bangalore</p>
<p>TANUSH A A 4PS17EC102 Lady Topper In Electronics & Communication Engineering Endowment Medal Smt. N. Premalatha Endowment Medal CGPA: 9.28 Name & Address of Donor Sri. S. Narasimhamurthy,Mandya</p>	<p>AKASH PATRIC 4PS17ME004 Overall Topper In Mechanical Engg. Science Endowment Medal Dr. K.P. Srinivasa Setty Endowment Medal CGPA: 9.34 Name & Address of Donor Dr. K.P. Srinivasa Setty Bangalore</p>	<p>SINCHANA A N 4PS18CV424 Overall Topper In Civil Engg. Science Endowment Medal Sri. Chandrashekhar Endowment Medal CGPA: 9.67 Name & Address of Donor Sri Prakashan Bangalore</p>	<p>AKANKSHA KUMARI 4PS17CS005 Overall Topper In Computer Science & Engineering Endowment Medal Dr. Murali Endowment Medal CGPA: 9.44 Name & Address of Donor Late P Srinivasaiah Endowment Medal</p>
<p>MANOJ R M 4PS17CS117 Topper in Engineering Mathematics Endowment Medal Sri Anniganahally Thammaiahsetty Endowment Medal CGPA: 394/400 Name & Address of Donor Dr. A.T. Eswara Professor Mathematics Dept. GSSS, Mysuru.</p>	<p>TEJASHREE P 4PS18IP027 Topper in Work Study & Ergonomics of B.E.(I&P Engineering) Endowment Medal Sri B.L. Sathyaranayana Memorial Endowment Medal CGPA: 91/100 Name & Address of Donor Dr.B.S.Shivakumara, Professor, I&P Engg Dept. PESCE, Mandya</p>	<p>RAMYA S 4PS19CV074 Overall Topper In Surveying Endowment Medal Smt. Puttalingamma & Sri Honnegowda Endowment Medal CGPA: 98/100 Name & Address of Donor Sri M. Shakaregovda Associate Prof. Civil Dept PESCE Mandya</p>	<p>THEJORASHMI H S 4PS17AU026 Overall Topper In Automobile Engineering Endowment Medal S. Krishna Gowda Endowment Medal CGPA:9.01 Name & Address of Donor</p>
<p>SINCHANA A N 4PS18CV424 Overall Topper in Civil Engineering Endowment Medal Smt. Nirmala Ramalingaiah Endowment Medal CGPA: 9.67 Name & Address of Donor Dr. Ramalingaiah Director (P.E.T Institution)</p>	<p>SINCHANA A N 4PS18CV424 Overall Topper in Civil Engineering Endowment Medal Late. M.C Lingaiah Endowment Medal CGPA: 9.67 Name & Address of Donor Dr. Ramalingaiah Director (P.E.T Institution)</p>	<p>SAHANA P V 4PS19CCS10 M.Tech (CAD of Structures) Endowment Medal Smt. Thayamma Lingaiah Endowment Medal CGPA:9.93 Name & Address of Donor Dr. Ramalingaiah Director (P.E.T Institution)</p>	

Dr. H.D. Chowdaiah Merit Awards - 2021 Winners

<p>Dr. H.D. Chowdaiah Former Chairman, PET(R) Merit Awards Donor</p>	<p>SIDDARAJU N 4PS19MMD03 CGPA : 9.11 M.Tech (Machine Design)</p>	<p>SAHANA P V 4PS19CCS10 CGPA : 9.93 M.Tech (CAD of Structures)</p>	<p>SUPRIYA M S 4PS19SCS03 CGPA : 9.31 M.Tech. (Computer Science and Engineering)</p>	<p>MEGHANA JAIN H K 4PS19LVS05 CGPA : 9.54 M.Tech.(VLSI Design and Embedded Systems)</p>	<p>NIDA FAROOQI 4PS19MBA32 CGPA : 8.67 MBA</p>	<p>LATHASHREE S V 4PS19MCA59 CGPA : 9.03 MCA</p>
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Pillars of Professional Troop

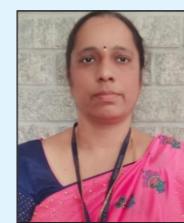
Office Bearers of ISTE PESCE Faculty Chapters



Dr.R.M.Mahalinge Gowda
Principal



Chairman
Prof. in I & P Engineering



Secretary & Treasurer
Prof. of MCA

ISTE Students Chapter

President: Yashaswini S, Dept. of CS&E
Secretary: Adithya N Sharma, Dept. of Mech
Treasurer: Sanjana N, Dept. of E & C

YRCW:

President: Kenneth J Christopher, Dept. of AEI
Secretary: Ganesh Putran, Dept. of E & C
Treasurer: Mahima Bhat, Dept. of E & C

E C Members:

Dr.N.Jagadeesha, Dept. of Automobile Engineering

Sri.S.Naveen Kumar, Dept. of Civil Engineering

Smt.B.P.Chaitra, Dept. of CS & Engineering

Sri.A.S.Mahesh Kumar, Dept. of E&C Engineering

Sri.B.N.Harish, Dept. of E&E Engineering

Sri.M.Sreenivasa, Dept. of I & P Engineering

Sri.B.S.Putta Swamy, Dept. of IS & Engineering

Dr.K.J.Mahendra Babu, Dept. of Mech Engineering

Dr.Pooja Nagpal, Dept. of MBA

Dr.S.R.Nayaka, Dept. of Mathematics

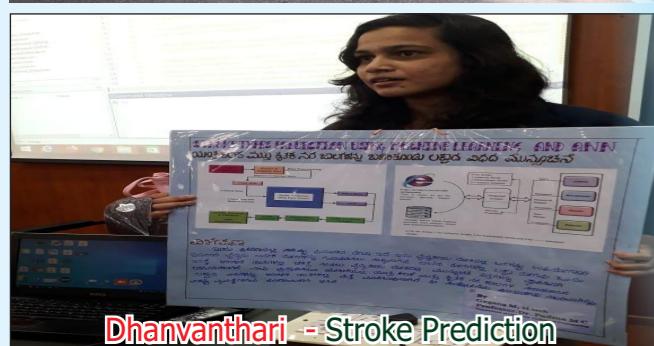
Impressive Innovative Ideas



Vamana - Agri Robot



Garuda - Unmanned Aerial Vehicle



Dhanvantari - Stroke Prediction

Benefits of Technology in Education

- Immersive learning. You probably agree with us that classroom learning is not only about chalkboards and textbooks. ...
- Gamification. ...
- Accessible Long-Distance Learning. ...
- Personalized Education Experience. ...
- Student Preferred. ...
- A Blended Learning Environment. ...
- Better Engagement. ...

"Never tell people how to do things. Tell them what to do and they will surprise you with their ingenuity."

- General George Patton



The Four Keys of Great Managers

- (1) When selecting someone, they select for talent ... not Simply Experience, Intelligence or Determination.
- (2) When Setting Expectations, they Define the Right Outcomes ... not the right steps.
- (3) When Motivating Someone, they Focus on Strengths ... not on Weaknesses
- (4) When Developing Someone, they help him find the right fit... not simply the next Rung on the Ladder."

- Marcus Buckingham

"You must do the thing you think you cannot do."

- Eleanor Roosevelt

Striking The Wings Of Service

Squat view of the Activities of the Youth Red Cross Wing during the year 2020-21



Dr.R.M.Mahalinge Gowda
Chairman & Principal



Dr. B. S. Shivakumara
Programme Officers



Dr. B. Shanmukha
Youth Red Cross Wing

The Red Cross is an international humanitarian service organization dedicated to the cause of suffering humanity both in times of war and peace since 8 decades. The fundamental principles of it are Humanity, Impartiality, Neutrality, Independence, Voluntary service, unity & Universality. The Indian Red Cross society was established in 1920. The Youth Red Cross Wing is the student wing of Indian Red Cross society and is fulfilling its objectives by conducting activities related to Health, National integrations, Emergency relief work, Drug abuse, communal harmony, Blood donation and grouping, Women welfare etc. In short, the essence of the organization is "Seva paramo Dharmaha" or "Service is our motto". This year, the college Youth Red Cross wing has organized "Online quiz on COVID and its vaccination". A Voluntary Blood donation (Collected 205 units of blood) & Grouping camp has been organized. To create the awareness on the Corona pandemic several programmes were chalked out and carried out by the wing. On line competition of "Poster presentation" on the theme "Life after COVID era" and Essay competition on the subject, "Role of youth in the prevention and Eradication of COVID" were organized. A cyclothon has been organized to spread the awareness on Corona. Mega "5 days Corona vaccination camp" has been structured and organized with help of other organizations. Wing celebrated the "International Yoga day" to highlight the "Importance of Yoga in safeguarding the against COVID-19 pandemic". Principal Dr.R.M Mahalinge gowda inaugurated the celebrations by lighting the lamp. Observed the "National Youth day" to commemorate the birthday of "Sri Swamy Vivekananda". Wing has also celebrated "World Red Cross Day" and honored the outstanding members by presenting "Best service Awards". Prizes were also distributed on the occasion to the winners of the various competitions organized by the wing. Patriotic & Light music songs singing competitions were organized by the wing.

GLOBALIZING THE GREAT YOGA
CELEBRATIONS OF "INTERNATIONAL YOGA DAY"

ISTE Chapters, Youth Red Cross wing, National Service Scheme Unit and Sports Department of P.E.S College of Engineering, Mandya in collaboration with Patanjali Yoga Education Committee of Karnataka have celebrated the "International Yoga day" at H. D. Chowdaiah auditorium of P.E.S College of Engineering, Mandya. Principal of the college Dr. R. M. Mahalinge Gowda inaugurated the program by lighting the lamp and stressed the importance of "Yoga" in the present situation. ISTE chapter's President and Programme officer of the Young Red Cross wing Dr. B. S. Shivakumara expressed his opinion that yoga is relevant for all times and conditions and should be learnt and practiced perfectly. Convener of District Patanjali Yoga Education Committee Sri Shankaranarayana Shastry, explained the importance of yoga by introducing different asanas of yoga. The program was attended by the representatives of Ayush Department and Nehru Yuva Kendra. Programme officer of the Young Red Cross wing Dr.B.Shanmukha, Secretary of the I.S.T.E. Chapter Dr. M.N. Veena, Programme officer of National Service Scheme unit Dr.Revanesh, Student welfare officer Sri M.A. Venugopal, Officer of N.Y.K Sri.H.M Basavaraju, Director of Physical Education and Sports Sri. Anantha Padmanabha Prabhu, Heads of the department, Teaching and Non-teaching staffs were present on the occasion.



POEM

'Somewhere still & always will'

I am soft, I don't think
you like that about me.
In the places the world should
have made me hard,
I still cry at movies and books
and love songs.
My hands still reach even after they've
been burned.
I still look at you and see sunrises and airplanes
landing and beginnings.
I still look at you and see the boy
I loved instead of the one
who broke my heart.
I love you
somewhere still & always will —



Blood Donation

Tanuja Jain
ECE, 3rd sem

Boosting of Bond of Academic

Congratulations to PhD Awardees - 2020-21



H.Kerur, Assistant Professor, Department of Mechanical Engineering, has been awarded a Ph.D. from, Visvesvaraya Technological University, Belagavi in July 2021. The topic of the research is "3D surface Roughness Effects on Steady-State and Transient Non-Newtonian THD Analysis of Porous Bearings". Under the guidance of Dr. T.Nagaraju, Emeritus Professor, Department of Mechanical Engineering, PESCE, Mandy.



Assistant Professor, Department of Civil Engineering, has been awarded Ph.D. from, Visvesvaraya Technological University, Belagavi in July 2021. The topic of the research is "A Study of Vehicular Emission Dispersion through Selected Building Configurations in Urban Areas Using Wind Tunnel". Under the guidance of Dr.R.M.Mahalingegowda Department of Civil Engineering, Principal, P.E.S.College of Engineering, Mandy

Robotics and Automation in the Workplace



Advances in the field of robotics—a combination of computer science, mechanical and electronics engineering, and science—have meant that machines or related forms of automation now do the work of humans in a wide variety of settings, such as medicine, where robots perform surgeries previously done by the surgeon's hand. Robots have made it easier and cheaper for employers to get work done. The downside, however, is that some reasonably well-paying jobs that provided middle-class employment for humans have become the province of machines. A study of eight hundred occupations in nearly fifty countries showed that more than 800 million jobs, or 20 percent of the global workforce, could be lost to robotics by the year 2030. The effects could be even more pronounced in wealthy industrialized nations, such as the United States and Germany, where researchers expect that up to one-third of the workforce will be affected. By 2030, the report estimates that 39 million to 73 million jobs may be eliminated in the United States. Given that the level of employment in the United States in mid-2018 is approaching 150 million workers, this potential loss of jobs represents roughly one-quarter to one-half of total current employment (but a smaller share of employment in 2030 because of future population and employment growth). The big question, then, is what will happen to all these displaced workers. A report estimates that about twenty million of them will be able to transfer easily to other industries for employment. But this still leaves between twenty million and more than fifty million displaced workers who will need new employment. Occupational retraining is likely to be a path taken by some, but older workers, as well as geographically immobile workers, are unlikely to opt for such training and may endure job loss for protracted periods. In developing countries, the report predicts that the number of jobs requiring less education will shrink. Furthermore, robotics will have less impact in poorer countries because these nations' workers are already paid so little that employers will save less on labor costs by automating. According to the report, for example, by the same date of 2030, India is expected to lose only about 9 percent of its jobs to emerging technology. Which occupations will be most heavily affected? Not surprisingly, the machine operators, factory workers, and food workers will be hit hardest, because robots can do their jobs more precisely and efficiently. Other hard-hit jobs will include mortgage brokers, paralegals, accountants, some office staff, cashiers, toll booth operators, and car and truck drivers. Jobs requiring human interaction are typically at low risk for being replaced by automation. These include nurses and most physicians, lawyers, teachers, and bartenders, as well as social workers, hairstylists and cosmetologists, youth sports coaches, and songwriters. McKinsey also anticipates that specialized lower-wage jobs like gardening, plumbing, and care work will be less affected by automation. The challenge to the economy, then, will be how to address the prospect of substantial job loss; about twenty million to fifty million people will not be able to easily find new jobs. A report notes that new technology, as in the past, will generate new types of jobs. But this is unlikely to help more than a small fraction of those confronting unemployment. So the United States will likely face some combination of rapidly rising unemployment, an urgent need to retrain twenty million or more workers, and recourse to policies whereby the government serves as an employer of last resort

ADARSH V

5th Sem Mechanical Enginings

Extraordinary Services In the Era of Pandemic

Panorama of Praisable Programs

ISTE CHAPTER(S)

P.E.S College of Engineering, Mandy

Highlights of the activities carried out during the Academic Year 2020-21



Dr. M.N Veena
Secretary

Sl. No	Date	Activities	Participants/ Beneficiaries
1.	21.11.20	Sri. K.S Vijaya Anand, Chairman of P.E.T®, Mandy released the Chapters news bulletin "Eureka" Volume 14. Principal Dr.H.V Ravindra, honourable guests Dr.B.R Ravikanthe gowda and were graced the occasion. Sri. K.S Vijaya Anand, Chairman of P.E.T®, presented two ISTE medals to the topplers of the respective subjects.	210
2.	21.11.20	Sri. K.S Vijaya Anand, Chairman of P.E.T®, Dr.B.R Ravikanthe gowda and Principal Dr.H.V Ravindra presented 14 ISTE medals to the topplers of the branch/subject.	400
3.	26.12.20	"Fit India Cyclothon"- to fight against COVID-19" has been organized in collaboration with other organizations. 200 members including volunteers of ISTE were attended.	200
4.	12.01.21	Celebrated the "National Youth day". Dr.K.A Radhakrishna, Professor and H.O.D of E&C engineering spoke on the achievements of "Sri Swami Vivekananda". President of the ISTE faculty chapter Dr.B.S Shivakumara urged the students to adapt the principles of "Sri Swami Vivekananda" in their life. Felicitated the youth achievers Mr.Suhru M.V and Mr.Monish N on the occasion.	
5.	17.02.21	Meeting of ISTE Chapters were held. Discussed about the activities to be planned and conducted in the year.	110
6.	26.02.21	Online quiz competition on COVID and its vaccination: ISTE chapters have organized an online Quiz competition on COVID and its vaccination to create awareness on the pandemic among the students. Principal Dr. Ravindra H.V. inaugurated the competition by uploading Quiz questions to the website of the college. In his inaugural address, he stressed the need for such competitions to create awareness and responsibilities among young people in present critical situation of Corona. President of the ISTE faculty chapter Dr.B.S Shivakumara rendered his introductory remarks on the competition. Dr.B Shanmukha, Dr. Revanesh, Sri Anantha Padmanabha Prabhu and student leaders were graced the occasion.	210
7.	04.03.21	Voluntary Blood Donation and Grouping Camp: was organized in the campus of the college. 205 units of blood were collected. 265 blood groupings were done on the occasion.	205
8.	01.04.21	Open MIC-21 Competition: was organized at the new open-air theatre which had both singing and instrumental Competition. In Singing Competition held with following categories are: 1. Classical-may include Hindustani or Carnatic 2. Instrumental-Classical, Western or Film Music, 3 Film Hits- Includes Popular albums and 4 Bhavageete. Special encouragement has been given to compose and sing the songs on "Awareness on Corona".	50
9.	21.05.21	Online Poster Presentation contest: ISTE chapters have organized an Online Poster Presentation competition "Life after COVID era" to educate the students about the pandemic. Principal Dr. R.M Mahalinge Gowda inaugurated the contest by uploading information and guidelines about the contest to the website of the college. In his inaugural address, he told these types of contests are "Need of the Hour" to sustain in this critical situation. President of the ISTE faculty chapter Dr.B.S Shivakumara rendered his introductory remarks on the contest. Dr.B Shanmukha, Dr. Revanesh, Sri Anantha Padmanabha Prabhu, and student leaders were graced the occasion. Participated student's presented their views on their posters before the judges via online	18
10.	02.06.21	Virtual Essay Competition: ISTE chapters have been organized Virtual essay competition on "The Role of Youth in Prevention and Eradication Corona Pandemic". Principal Dr.R.M. Mahalinge Gowda inaugurated the competition by uploading "Title of the Essay" and other guidelines to the website of the college. In his opening remarks, he stressed the need for such competitions to create awareness and responsibilities among young people in present thorny situation of Corona. President of the ISTE faculty chapter Dr.B.S Shivakumara gave preparatory remarks on the competition. Dr.B Shanmukha, Dr. Revanesh, Sri Anantha Padmanabha Prabhu and student leaders Nishant Nayak and Adarsh were graced the occasion.	25
11.	21.06.21	International Yoga Day: ISTE Chapters, Youth Red Cross wing, National Service Scheme Unit and Sports Department of P.E.S College of Engineering, Mandy in collaboration with Patanjali Yoga Education Committee of Karnataka have celebrated the "International Yoga day" at H. D. Chowdiah auditorium of P.E.S College of Engineering, Mandy. Principal of the college Dr. R. M. Mahalinge Gowda inaugurated the program by lighting the lamp and stressed the importance of "Yoga" in the present pandemic situation. ISTE chapter President Dr. B. S. Shivakumara expressed his opinion that yoga is relevant for all times and conditions and should be learnt and practiced regularly. Convener of District Patanjali Yoga Education Committee Sri ShankaranarayanaShastray, explained the importance of yoga by introducing different asanas of yoga. Programme officer of the Young Red Cross wing Dr.B Shanmukha, Secretary of the ISTE Chapter Dr. M.N. Veena, Programme officer of National Service Scheme unit Dr.Revanesh, Student welfare officer Sri M.A. Venugopal, Director of Physical Education and Sports Sri. Anantha Padmanabha Prabhu, Heads of the department, Teaching and Non-teaching staffs and publics were present on the occasion.	45
12.	24.06.21	Inaugurals of COVID Vaccination Camp: ISTE Chapters, Youth Red Cross wing, National Service Scheme Unit of P.E.S College of Engineering, Mandy in collaboration with District Health and Family Welfare Department, Mandy have organized the "COVID vaccination camp" on Thursday, 24 th June 2021 at H. D. Chowdaiah auditorium of P.E.S College of Engineering, Mandy. The camp was inaugurated by lighting the lamp by Sri. K.S Vijaya Anand, Chairman of P.E.T®, Mandy. The main guests on the occasion were P.E.T® Secretary, Sri S.L. Shivaprasad, District RCH Officer Dr. Somashekhar, Principal of the college Dr. R. M. Mahalinge Gowda. President of ISTE chapter Dr. B. S. Shivakumara, Secretary of the I.S.T.E. Chapter Dr. M.N. Veena, Programme officer of the Young Red Cross wing Dr.B Shanmukha, Programme officer of the National Service Scheme unit Dr.Revanesh, Student welfare officer Sri M.A. Venugopal, Director of Physical Education and Sports Sri.Anantha Padmanabha Prabhu, Health department official Sri Manu, Heads of the department, Teaching and Non-teaching staffs were graced the occasion.	300
13.	24.06.21 to 01.07.21	Five days COVID vaccination camp was organized on 24/6/21, 26/6/21, 28/6/21, 30/6/21 and 1/7/21. Totally 1542 students, members of the staff and publics were successfully vaccinated for corona pandemic.	1542
14.	01.07.21	Valedictory of COVID Vaccination Camp: ISTE Chapters, Youth Red Cross wing, National Service Scheme Unit of P.E.S College of Engineering, Mandy in collaboration with District Health and Family Welfare Department, Mandy have organized the "Valedictory of COVID vaccination camp" at H. D. Chowdaiah auditorium of the college. Principal of the college Dr. R. M. Mahalinge Gowda welcomed all the dignitaries. Dr.Revanesh presented the report of the camp. Mandy District RCH Officer Dr. Somashekhar rendered the valedictory address. Sri. K.S Vijaya Anand, Chairman of P.E.T®, Mandy presided over the function. President of ISTE chapter Dr. B. S. Shivakumara performed the vote of thanks. Secretary of the I.S.T.E. Chapter Dr. M.N. Veena, Programme officer of the Young Red Cross wing Dr.B Shanmukha, Student welfare officer Sri M.A. Venugopal, Director of Physical Education and Sports Sri.Anantha Padmanabha Prabhu, Health department official Sri Manu, Heads of the department, Teaching and Non-teaching staffs and publics were present on the occasion.	250
15.	04.09.21	ISTE Day: ISTE chapters have celebrated an ISTE day. Principal Dr. R.M Mahalinge Gowda Inaugurated the celebrations by lighting the lamp. He enlightened the importance of ISTE and how it was helpful to the students all these years. Dr.Veena M.N Secretary presented the report of the activities of the ISTE chapters. Dr. B.S.Shivakumara in his presidential speech narrated the role of ISTE Chapters in molding the personality of the students and staff. All the office bearers and most of members of the chapters have been there.	70
16.	04.09.21	Honored Suhru Jamdhagni and Shashank as best outgoing ISTE volunteers. Presented "ISTE Meritorious awards" to outstanding members of the student chapter Mahima, Kenneth and Yashaswini. Principal Dr. R.M Mahalinge Gowda honored them.	05
17.	04.09.21	Presented prizes to the winners of "Quiz", "Essay", "Singing" and "Poster presentation" competitions (organized by the chapters). President, Secretary and other office bearers of the chapters distributed the prizes.	44
18.	25.09.21	Participated in the "Fit India – Freedom run" organized by the "Mandy district authorities" on the occasion of "Azadi ka Amrit Mahotsav".	200
19.	01.10.21	"Karnataka State Aids prevention Society" and "District Health and family welfare Department" honored the college (Chapters) for having organized highest numbers of "Voluntary blood donation camp".	70

Prize	Title of the Project	Name(s) of the Student	Name of the Guide
B.E(Automobile)			
I	Design & Development of a Low cost Micro Unmanned Aerial Vehicle (UAV) and implementation of Autopilot	Jagadish Kumar M R	Prof.K Ramesh
II	Comparison of Indian light motor vehicle for their braking performance during high speed through simulation	Sugandh David M G Abhishek S N, Jatin B D, Dharmaraj Sagar M S	Dr.K.M.Jagadeesha
B.E(Civil)			
I	Effect on soil nail on stability of slope	Sinchana A.N, Harshitha G.N Harshitha K.N Amulya Y.S	Madhuchandra M.R,
II	Feasibility study of replacement of ordinary Portland cement with limestone calcined clay cement	Premakumar, Malappagol, Rashmi G N Mohammed Saqeeb Pasha	Ashwin C.A
III	Durability studies on various concrete cool pavement	Sagar Gowda M.S, Tarun S, Dhruvanarayana S, Nithin Gowda D.N	Shambhavi S
M.Tech(CADS)			
I	Performance study of Rigid frame, core and outrigger structural system in vertically asymmetric building using time history analysis	Sahanaraj B	Dr.B.S Jayashankar babu
B.E(CS&E)			
I	Detection of Breast cancer using CNN and probabilistic model for patient survival	Deeksha M.S., Mahima Pai B, Preethi H.P., Supriya M.M.	B.S Mamatha
II	Fire fighting robot using IOT	Amulya C.K., Jessica S Anvitha, Niveditha S.	Dr.M.C Padma
III	Face mask detector and Social distancing detector Using deep learning	Lekhana R., Sanjana D, Skanda Padith M.G. Vignesh P.	R.S.Prasankumar
M.Tech(CS&E)			
I	Automated system for detection and classification of Skin diseases using machine learning technique	Yogananda M.C	S.K.Uma
B.E(E&C)			
I	Quantifying Unit for Small Scale Enterprises	Ruthuparna K, Shashank B M Suhru M V Jamadagni, Vaishnavi M	Dr. R Manjunatha
II	Transmission Line Faults Detection	Banu Priya P R Chandan K S Divya Y N, Kannika V	Ms. Sobia Naz,
III	IOT based Patrolling Robot for Coal mine safety monitoring, altering and controlling	Adithya B K, Nandan N Spoorthi B K, Tejaswini H P	Mrs. B S Nanda
M.Tech (VLSI)			
I	Design and verification of five port router for network on chip	Rakshitha G V	Santhosh Babu K C
B.E(E&E)			
I	IOT based Battery Parameter monitoring system for electric vehicles	Ayesha Harmain, Bhojaraj B J, Bhoomika B, Chaitra C B, Shazia Sharif	Dr. S Gopiya Naik
II	Gesture Controlled speech assistance Device for verbally disabled	Rsyed Faizan M Teilarikhongbuphan G, Varshitha, B.R Venu K	K.M.Mahesh Kumar
B.E (I&P)			
I	Design and Fabrication of Agricultural Robot for Seed Sowing and Sprinkling of Fertilizers and Water	Krupa K A, GowthamGowda K P, Chidambar D R, Pramoda C	Dr.B.S Shivakumara
II	Influence of Titanium Nitride Coating on Ceramic Tool Inserts and Optimization of Surface Roughness and Tool Wear	Shashank. T. N Sachin. H Biradar Gowtham. C. K Charan C	Dr. Raghu. S
B.E(ES&E)			
I	Heart attack prediction using machine learning	Surabhi B N, Maheshwari, Arpitha R Hegde	T M Geethanjali
II	Personality detection using handwriting analysis	Pushpalatha G Thanisha M R, Vaishnavi R	B S Puttaswamy
B.E(Mechanical)			
I	Modeling and fabrication of Unmanned ground Vehicle-gadminar	Dheeraj D Sreevaths, Dinesh.B.N Ganesh P Bharadwaj	Dr. Guru Pavan H R
II	Design and Fabrication of a system to convert waste plastics by pyrolysis	Abhishek S, Akash M K, Akash Patric Amithesh T	Somashekar B R
III	Synthesis of biodiesel using waste cooking oil With various catalysts	Mallikarjun Mahadevaswamy	Dr. S V Anil Kumar
M.Tech (Machine Design)			
I	Development and property evaluation of aluminum alloy 7075 reinforced with 2 weight percent of magnesium and Different weight percent of boron carbide	Chaitra H M	Dr.S. Ghanaraja,
MBA			
I	Existing Customers Experience Towards The New Place of Business	Shashank C	Dr. A C Kiran Kumar
II	Impact of COVID 19 on customer relationship management at Kalyani Hotel, Mysore	Mohan Gowda K C	Dr. Aluregowda
MCA			
I	Rainfall Rate Prediction based on ANN for Rain Fade Mitigation over Earth Satellite Link	Chalciya Elizabeth Rani P	Dr. Mohan Kumar H.P
II	Classification of Covid_19 in x-ray images using deep learning neural network approach	Archana	Dr. H.R Divakar

Dr.B.S Shivakumara
Dean (I.I.I)

Dr.R.M Mahalinge Gowda
Principal

Role of youth in the prevention and Eradication of Covid Pandemic

The Covid pandemic, also known as the coronavirus pandemic, is an ongoing global pandemic of coronavirus disease caused by severe acute respiratory syndrome Coronavirus 2(SARS-COV-2). Coronavirus disease is an infectious disease caused by a newly discounted coronavirus. The virus was first identified in December 2019 in Wuhan, China. 'Co' stands for corona; 'VD' for virus and 'D' for disease. The most common symptoms of covid-19 are fever, dry cough, fatigue and the symptoms of severe covid-19 disease include shortness of breath, loss of appetite confusion, persistent pain or pressure in the chest, high temperature. There are different types of covid-19 test, polymer chain reaction (PCR), lateral flow tests and antibody (or serology test).

Prevention of COVID-19

- Clean your hands.
- Maintain a safe distance from anyone who is coughing or sneezing.
- Stay home if you feel unwell.
- Such medical attention, in any health issue Treatment for COVID-19.
- Isolate yourself in a well-ventilated room.
- Use a triple layer medical mask.
- Patients must be in communication with a treating physician.
- Patients to follow symptomatic management.

There are two Covid-19 vaccine that are being used in India right now-Bharat Biotech's Covaxin and Serum Institute of India's Covishield. The Covid-19 pandemic has resulted in severe economic and social impacts around the world. Young people are particularly vulnerable to the disruptions the pandemic has caused and money are now at risks of being left behind in education, economic opportunities and health. The responses and recovery must be done in a way that protects the human rights of all youth.

Nisarga C D
4th SEM, CSE dept.

CARE ABOUT CRUEL CORONA

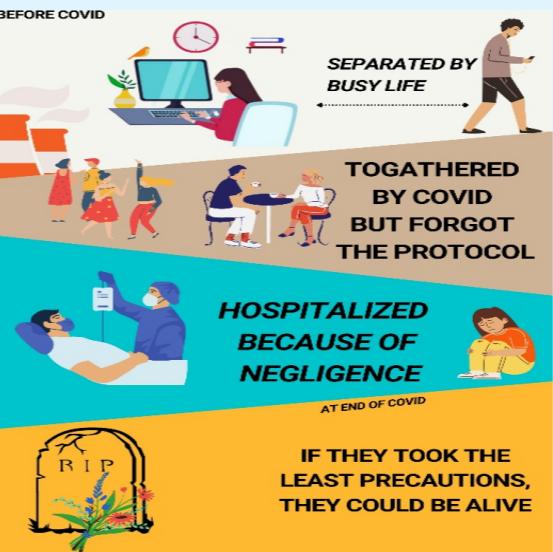
POSTER PRESENTATION ON LIFE AFTER COVID ERA



Suyog Cariappa PC 3rd sem Dept of AU&E



Adithya N Sharma 5th Sem Dept of ME & E



SUSHMA H S 5th Sem Dept of ECE

Achiever



He is studying in 5th semester of B.E (I & P engineering). He has represented the state of Karnataka and Goa as parade Commander in the annual Republic day parade held at Delhi in January 2020. He obtained Commendation from the Chief Minister of Karnataka for leading the Karnataka and Goa DTE to 4 th rank among all the other state directorates. He has secured "A grade" in the prestigious C Certificate exam of NCC. Recognizing his achievements ISTE Chapters, Youth Red Cross wing and N.S.S Unit of the college honored him on occasion of "National Youth day" celebrated on 12th January 2021.

Monish N Aradhya

Unforgettable Impressions

Dream,Belive,Achieve



Pleasing the Pleasure of PSE

The Perfect Place for music heaven



OPEN MIC'21

Healthy People Healthy Society



Positioning to Advance For FIT INDIA - 2021

LIVE,LOVE,CYCLE



Coding of Dress of Cyclists

Greeting the Ground Workers



Felicitation of ISTE and YRCW Volunteers

V R Fit To build Fantastic Nation

It Never gets easier ,you just go faster



Flagging off of Fabulous Movement

Enlightening the Delight Programs



Inauguration of the Celebrations of ISTE Day

I & U Can delink the Spreading of VIRUS

A Poster = 1000 Words



Intiation Of Poster Presentation

Blood Should Circulate



Blood Donation Camp

Jus.. Jib!!!!



Vaccination Drive at PESCE

"Opportunities don't happen. You create them."
-Chris Grosser

"What you do today can improve all your tomorrows."
-Ralph Marston