



ISTE CHAPTER(S)
PES COLLEGE OF ENGINEERING, MANDYA



Eureka

A NEWS BULLETIN

Vol : 10

Issue : 1

August 2016

A Report of ISTE Day Celebrations



Chapters celebrated "ISTE day" on 2th May 2016. Principal Dr.H.V.Ravindra inaugurated the celebrations by lighting the lamp. Dr. T .M. Srinivasa, Principal, AMC College of Engineering, Bengaluru Member, Executive Committee, ISTE Karnataka Section spoke on role of ISTE in promoting Technical Education. Recognizing the services of Principal Dr.H.V.Ravindra to the development of Technical education, College and Society, Chapters honoured him on the occasion. Chapter also honoured its Outstanding Student members, Prizes were distributed for the winners of "Essay competition", "Impromptu speech", "Singing competitions", "Debate competition" and "Quiz competition" conducted during the year.

The Best Student Award



Nisarga G S has bagged "Best Student of the Chapter Award 2015". She has been awarded the 'Best Service Award' by the Youth Red Cross Wing PESCE and Merit Award (Service) by the ISTE PESCE Student Chapter. She is from the branch of BE (Electronics and Communication Engineering).

"Think big and don't listen to people who tell you it can't be done. Life's too short to think small."

- Tim Ferriss

BLOOD DONATION CAMP

Two Voluntary Blood Donation Camps were organized at P.E.S College of Engineering, Mandya. 306 units of blood were collected. 390 Blood groupings were done on those occasions. Principal, Dr. V. Sridhar and Smt. Meera Shivalinagaiah, Chairman, Indian Red Cross Society, Mandya District Branch inaugurated camps and motivated the students for donations. It is happy to note that ISTE Chapters retaining the "Rolling shield" consecutively for the past 7 years which was presented by Mandya District Branch of Indian Red Cross Society for the highest no. of units of Blood collected at the Blood donation camps organized by the chapters. the chapters has the distinction of receiving the honor of District Health and Family welfare department every year.



CONGRATULATIONS



Faiz Ahmed, Akshay Kumar V and Vinod Raj H S have been selected in recruitment drive organized by MARLABS and have earned the highest package in the college.

Principal's Message

I am glad to know that ISTE PESCE Chapter is bringing out this issue of Eureka with a number of news items and other articles. I congratulate all the members ISTE for the success. I wish them all the best for their future plans.



Dr.H.V. Ravindra

President's Column

I am extremely happy to note that the ISTE-PESCE chapter is growing from strength to strength increasing its area of activities. Chapter has won the red cross rolling shield for the seventh consecutive time. Meritorious BE students of different engineering disciplines. I take this occasion to thank for their support. I would also like to congratulate all the talented members and hard working executives who stood by us in all our ventures.



Dr. K.N. Umesh

Chief Editor's Column

Its gives me great pleasure in gathering information that works for ISTE-PESCE Chapter. This issue enlighten the social and service activities of student and faculty members and also bridge the gap between students and faculty members. This motivates the readers to come forward to enrich the Eureka magazine. I heartily welcome suggestions and innovative ideas to improve the Eureka magazine



Dr. M.N. Veena

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Student Editor in chief:
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5th MCA Dept.

Praveen K.T
5TH MCA Dept



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Gokul	III IP	Sports
Arachana M Muralidhar	V CS	Social Activities
Sharvari	VII EE	Cultural Activities
Pramod	VII IP	Publicity
Anushree	V EE	Program
Moinam Chatterjee	III CS	Editorial

ಬದುಕಲು ಒಳಗಿನಿಂದ ಒಂದು ಸ್ಫೂರ್ತಿ ಬೇಕು

- ಡಾ|| ಎಂ. ಎನ್. ವೀಣಾ

ಎಂ.ಸಿ.ಎ ವಿಭಾಗ

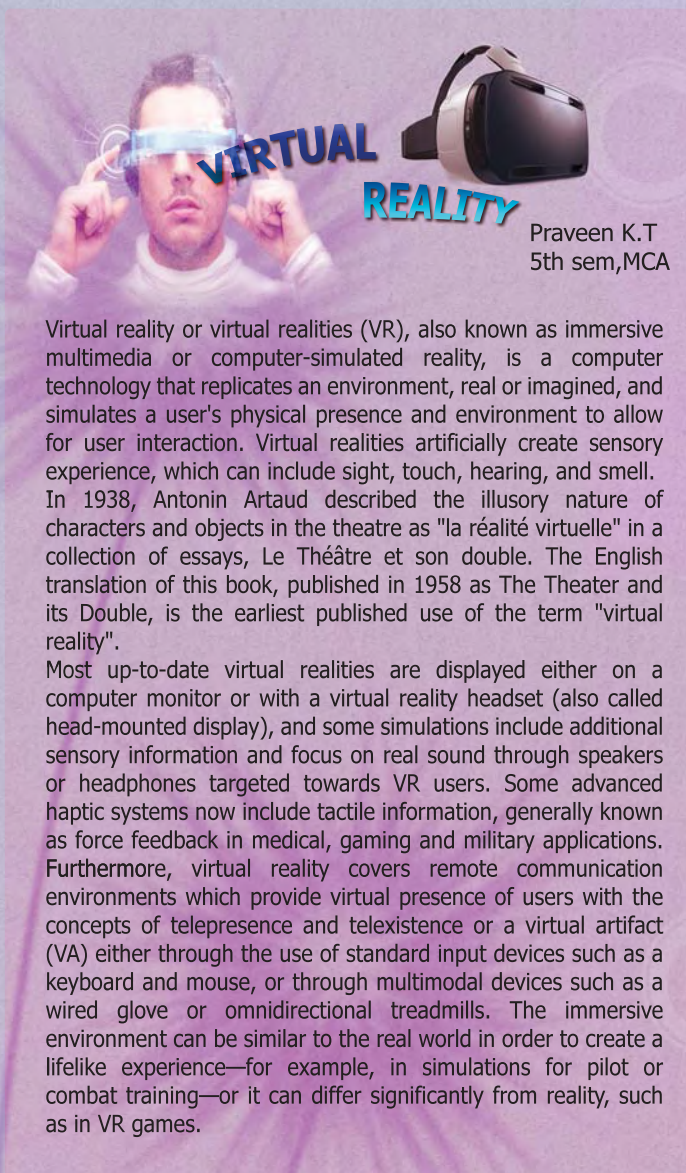
ಅದೊಂದು ಶ್ರೀಮಂತ ರಾಜ್ಯ. ಆ ರಾಜ್ಯಕ್ಕೊಬ್ಬ ಒಳ್ಳೆಯ ರಾಜನಿದ್ದ. ರಾಜನ ಸೇನೆಯೂ ಬಲಿಷ್ಠವಾಗಿತ್ತು. ಸೇನೆಯಲ್ಲಿ ನೂರಾರು ಕುದುರೆ, ಒಂಟೆ, ಆನೆಗಳಿದ್ದವು. ಅದರಲ್ಲಿದ್ದ ಒಂದು ಆನೆಯ ಬಗ್ಗೆ ರಾಜನಿಗೆ ವಿಪರೀತ ಪ್ರೀತಿಯಿತ್ತು. ಯಾಕೆಂದರೆ ಪ್ರತಿ ಯುದ್ಧದಲ್ಲೂ ಆ ಆನೆ ಶ್ರದ್ಧೆಯಿಂದ ತನ್ನ ಕೆಲಸ ಮಾಡುತ್ತಿತ್ತು. ಪ್ರತಿ ಯುದ್ಧದ ಗಲವಿನ ಹಿಂದೆ ಆ ಆನೆಯ ಪಾತ್ರ ದೊಡ್ಡದಿರುತ್ತಿತ್ತು. ಆದರೆ ಆ ಆನೆಗೆ ವಯಸ್ಸಾಯಿತು. ಅದರ ಕೆಲಸ ಮಾಡೋ ಕ್ಷಮತೆ ಕಡಿಮೆಯಾದಂತೆ ರಾಜನಿಗೆ ಕಾಣಿಸಿತು.

ರಾಜ ಸೈನಿಕರನ್ನು ಕರೆದು "ಇನ್ನುಮುಂದೆ ಆ ಆನೆಯಿಂದ ಯಾವುದೇ ಕೆಲಸ ಮಾಡಿಸುವುದು ಬೇಡ, ಅದು ವಿಶ್ರಾಂತಿ ಪಡೆಯಲಿ. ಅದಕ್ಕೆ ಒಳ್ಳೆಯ ಆಹಾರ ನೀಡಿ ಚೆನ್ನಾಗಿ ನೋಡಿಕೊಳ್ಳಿ" ಎಂದು ಆಜ್ಞಾಪಿಸಿದ.

ಕೆಲಸವಿಲ್ಲದ್ದರಿಂದ ಆನೆ ಇನ್ನಷ್ಟು ಮಂಕಾಯಿತು. ಒಮ್ಮೆ ನೀರು ಕುಡಿಯಲು ಹೋದಾಗ ಕೆಸರಿನಲ್ಲಿ ಸಿಕ್ಕಿಹಾಕಿಕೊಂಡಿತು. ಕೆಸರಿನಲ್ಲಿ ಅದರ ಕಾಲು ಹೂತು ಹೋಗಲಾರಂಭಿಸಿತು. ಅದನ್ನು ರಾಜ ನೋಡಿದ. ಸೈನಿಕರನ್ನು ಕರೆದು ಆನೆಯನ್ನು ಮೇಲೆತ್ತುವಂತೆ ಹೇಳಿದ. ಆದರೆ ಏನು ಮಾಡಿದರೂ ಆನೆ ಮೇಲೆ ಬರಲಿಲ್ಲ. ರಾಜ ನೊಂದುಕೊಂಡ.

ಇನ್ನೇನು ಮಾಡಬಹುದೆಂದು ಮಂತ್ರಿಯನ್ನು ಕೇಳಿದ. ಮಂತ್ರಿ ತುಂಬ ಬುದ್ಧಿವಂತ. ಆತ ಯುದ್ಧ ಕಳೆಯನ್ನು ಉದುವಂತೆ ಸೈನಿಕರಿಗೆ ಆದೇಶಿಸಿದ. ಕಳೆಯ ಶಬ್ದ ಕೇಳುತ್ತಿದ್ದಂತೆ ಆನೆಯ ಕಿವಿ ನಿಮಿರಿತು. ದೇಹದಲ್ಲಿ ಶಕ್ತಿಯ ಸಂಚಲನವಾಗಿ ಕೆಸರಿನಿಂದ ತಾನೇ ಮೇಲೆದ್ದಿತು.

ರಾಜನಿಗೆ ಮಂತ್ರಿಯ ಉಪಾಯ ಇಷ್ಟವಾಯಿತು. ಮಂತ್ರಿ ರಾಜನಿಗೆ ಹೇಳಿದ "ಶರೀರ ಬಲವೊಂದೇ ಬದುಕಲ್ಲ ಪ್ರಭು. ಬದುಕಲು ಒಳಗಿನಿಂದ ಒಂದು ಸ್ಫೂರ್ತಿ ಬೇಕು. ಶರೀರದಲ್ಲಿ ಬಲವಿಲ್ಲವೆಂದು ಸುಮ್ಮನಿದ್ದರೆ ದೇಹ ಇನ್ನಷ್ಟು ಮಂಕಾಗುತ್ತದೆ".



VIRTUAL REALITY

Praveen K.T
5th sem,MCA

Virtual reality or virtual realities (VR), also known as immersive multimedia or computer-simulated reality, is a computer technology that replicates an environment, real or imagined, and simulates a user's physical presence and environment to allow for user interaction. Virtual realities artificially create sensory experience, which can include sight, touch, hearing, and smell. In 1938, Antonin Artaud described the illusory nature of characters and objects in the theatre as "la réalité virtuelle" in a collection of essays, *Le Théâtre et son double*. The English translation of this book, published in 1958 as *The Theater and its Double*, is the earliest published use of the term "virtual reality".

Most up-to-date virtual realities are displayed either on a computer monitor or with a virtual reality headset (also called head-mounted display), and some simulations include additional sensory information and focus on real sound through speakers or headphones targeted towards VR users. Some advanced haptic systems now include tactile information, generally known as force feedback in medical, gaming and military applications. Furthermore, virtual reality covers remote communication environments which provide virtual presence of users with the concepts of telepresence and telexistence or a virtual artifact (VA) either through the use of standard input devices such as a keyboard and mouse, or through multimodal devices such as a wired glove or omnidirectional treadmills. The immersive environment can be similar to the real world in order to create a lifelike experience—for example, in simulations for pilot or combat training—or it can differ significantly from reality, such as in VR games.

NEUROMORPHIC TECHNOLOGY

Royden Fernandes
5th sem,MCA

"Computer chips that mimic the human brain"

Even today's best supercomputers cannot rival the sophistication of the human brain. Computers are linear, moving data back and forth between memory chips and a central processor over a high-speed backbone. The brain, on the other hand, is fully interconnected, with logic and memory intimately cross-linked at billions of times the density and diversity of that found in a modern computer. Neuromorphic chips aim to process information in a fundamentally different way from traditional hardware, mimicking the brain's architecture to deliver a huge increase in a computer's thinking and responding power.

Miniaturization has delivered massive increases in conventional computing power over the years, but the bottleneck of shifting data continuously between stored memory and central processors uses large amounts of energy and creates unwanted heat, limiting further improvements.

Neuromorphic technology will be the next stage in powerful computing, enabling vastly more rapid processing of data and a better capacity for machine learning. With vastly more computing power available for far less energy and volume, neuromorphic chips should allow more intelligent small-scale machines to drive the next stage in miniaturization and artificial intelligence.

Potential applications include: drones better able to process and respond to visual cues, much more powerful and intelligent cameras and smartphones, and data-crunching on a scale that may help unlock the secrets of financial markets or climate forecasting. Computers will be able to anticipate and learn, rather than merely respond in preprogrammed ways.

Technical Barrier Rural Program (TBRP) Summer Internship For Rural Children

Technical Barrier Rural Program (TBRP) summer internship for rural children Foundation for Advancement of Education and Research (FAER) – Motorola Technology Barrier Reduction Programme (TBRP) intends to select 90 students from rural schools in Karnataka and provide them a one-month summer internship. The main objectives of TBRP are to provide exposure of a good institution to students of rural high schools. There are primarily three components of this program: 1. To provide a reasonable exposure to language – speaking and writing. 2. To provide exposure to some aspects of mathematics 3. To bring familiarity of some gadgets and ways of living in an institution including several normal functions like eating in a mess, using libraries, living in a hostel, etc. The students will get some exposure to laboratories, sports facilities and other campus facilities. On the occasion of the celebrations of the Golden Jubilee Year of our College, was selected to conduct this programme by the FAER from 22nd April 2013. It was inaugurated by Dr. Ramalingaiah, Principal of the college Dr. V. Sridhar, DIET Principal Smt.Sumangala, Motorola Volunteers Smt. Shwetha and Mr. Adi, Faculty Coordinator Dr. B.S. Shivakumara and all the Student Coordinators were present on the occasion. ISTE and Youth Red Cross wings of PESCE was also involved along with FAER in conducting activities to students in the camp like Sports, Singing, Debate competitions, teaching English, community aspects and exposing them to technical labs.



Students attending class during TBRP summer internship.



Bank visit of students during TBRP summer internship.

Congratulation to the Achievers on the award of PhD



Dr.K.B.Sidde Gowda,Associate Professor Automobile Engeneering has been Awarded PhD from Visvesvaraya Technological UIniversity, Belgavi in the month of Febrauary, 2016. The topic of the research is "Studies on the Properties of Lubricating Oil and Performance of MPFI Engine Using Ethanol - Gasoline Blends" under the guidance of Dr. J.Venkatesh Professor and Head, Dep. of Automobile Engg, PESCE, Mandya.
LM : LM4066

Dr. M.N Veena Associate Professor, Master of Computer Applicactions (MCA) PESCE Mandya has been Awarded PhD from University of Mysuru, Mysuru in the month of May,2016.The topic of the research is "Knowledge Driven Approaches For Automatic Detection and Recognition of Registration Number for Road Vehicles in India" under the guidance of Dr. T. Vasudev Professor, Maharaja Institution of Technology (MIT), Mysuru.
LM : LM33906



Dr. N. L. MuraliKrishna Associate Professor, Industrial & Production Engeneering has been Awarded PhD from Visvesvaraya Technological University, Belgavi in the month of April, 2016. The topic of the research is "Precision Finishing of Internal Primitives Through Extrusion Honing Process" under the guidance of Dr.H.P. Raju Professor Dept. of Mechanical Engg, PESCE, Mandya.
LM : LM17113

Dr.Nagarathna Associate Professor, Computer Science and Engg,PESCE Mandya has been Awarded PhD from Anna University Chennai, in the month of May,2016.The topic of the research is "Efficient Tracking and Estimation of Dynamic Boundaries Using Evolution Models in WSN" under the guidance of Dr.S.Valli Professor, Computer Science and Engg, Anna University, Chennai.
LM : LM24260



I Am Me

*Let it may fall
No time to care
What other's call
No time to spare
Edificing new bonds
The best indeed
A conserving pond
Of honest feeds
Layers of masks
Wear as much you can
My tears won't ask
Of how you ran
I will regain
My lost strength
Though suffering pain
That all I meant
Virtuous you be
Loyal the one
Difference you'll see
I created some
Water may drop
Its bliss from the sky
But i don't crop
Any filth I say
My words begin
With the truth of life
What all can win
Is a spurious thrive
My tears are
My biggest strength
You be so sour'
I've no time to pretend.*

POWER FROM THE AIR

Even the smallest Internet-connected devices typically need a battery or power cord. Not for much longer. Technology that lets gadgets work and communicate using only energy harvested from nearby TV, radio, cell-phone, or Wi-Fi signals is headed toward commercialization.

The University of Washington researchers who developed the technique have demonstrated Internet-connected temperature and motion sensors, and even a camera, powered that way. Transferring power wirelessly is not a new trick. But getting a device without a conventional power source to communicate is harder, because generating radio signals is very power-intensive and the airwaves harvested from radio, TV, and other telecommunication technologies hold little energy. Passive Wi-Fi consumes just 1/10,000th as much power as existing Wi-Fi chipsets. It uses a thousandth as much power as the Bluetooth LE and ZigBee communications standards used by some small connected devices and has a longer range. A device using passive Wi-Fi to communicate—for example, a security camera—could power its other circuits using energy harvested from the Wi-Fi signals it is backscattering, or by feeding on other signals such as TV and radio broadcasts.

The researchers believe that tiny passive Wi-Fi devices could be extremely cheap to make, perhaps less than a dollar. In tomorrow's smart home, security cameras, temperature sensors, and smoke alarms should never need to have their batteries changed.

"Success does not consist in never making mistakes, but in never making the same one a second time."

- George Bernard Shaw

"If you are working on something that you really care about, you don't have to be pushed. The vision pulls you."

- Steve Jobs

Two Days Workshop on Digital Content Development And Management (DCDAM-16)

The institute has conducted a 2 Day Faculty Development Workshop on 2 Days Workshop on Digital Content Development And Management (DCDAM-16), from 25th to 26th July 2016, under the sponsorship of TEQIP. Librarians and their staff, from all over Karnataka took part and deliberated on topics related to Digital Content (e-Books, e-Journals, etc) Development and Management.

A formal inauguration started with an invocation by Kumari Nisarga on 25th July 2016.



Dr. K.N. Umesh, Former Dean (Acad) and Chief Coordinator, delivered the prefatory speech. It was begun with background from which the concept of the workshop has actually emerged, the need of it for the more efficient functioning of modern libraries. He also highlighted the relevance of the program for enabling and equipping the librarians to today's context of emergence of e-platform in automation and e-Resources management and services. Smt. H. V. Sulakshana welcomed the gathering.

The Chief guest Dr. N.S. Harinarayana, Associate Professor of Library Science, University of Mysore, Mysuru has inaugurated the workshop, by lighting the lamp and addressed the gathering. He emphasized the importance of library digitization of the library contents for ease of access and sharing among members. He also opined that there is a fobia among the librarians and public that the advent of the competent technologies and websites, internet and search engines-Google may overshadow the physical libraries. Although there is fear, the vibrance of physical library cannot be substituted by technologies, if proper ambience and personalized services are properly maintained. Dr. H.V. Ravindra, Principal, addressed the gathering and expressed library management is very important in terms of data storage, content development and ease of sharing, especially with respect to research content. He also suggested that library should become a hub of knowledge dissemination.

Dr. H. D. Chowdaiah, Ex. M.L.A & Chairman, Peoples Education Trust, Mandya and Patron presided over the function. He advised that the success of the program depends on the participation and interest of the delegates. The participants should actively take part and interact thoroughly with the experts in order to gain maximum benefits of the workshop. Resource persons delivering lectures on various topics are given in session schedule. Session wise details are as follows.

Key note Address was given by Dr. N. S. Harinarayana Associate Professor, Department of Studies in Library and Information Science, University of Mysore, Mysuru on Digital Content Development and Management: Standards and Principles. Metadata.

Dr. M. Krishnamurthy, Associate Professor, DRTC, Indian Statistical Institute, Bangalore and Smt Roopa, Librarian, Coorg Institute of Technology, Ponnampet, were the main resource persons. The inhouse resource persons are Smt. H. V. Sulakshana, Deputy Librarian, Sri. H. C. Pradeep and Sri. M Manjesh, the Asst. Librarians.

Dr. M. Krishnamurthy, in his sessions on Ubuntu installation discussed various related issues. Further he gave an introduction to Dspace. He clearly explained the methods of classifying and creating titles and subtitles for the purpose.

On 26th July 2016, he also dealt with Customization and Issues in uploading data metadata. Later he discussed features of Content Management System. Later in the last session, Dr M. Krishnamurthy conducted an overview and installation of Joomla. Smt Roopa demoed the configuration of Joomla software. She also discussed about various options available for designing and creating web pages. She also described the techniques for linking the pages so created in to digital library.

Demo on Dspace was delivered by Dr. M. Krishnamurthy, Associate Professor, DRTC, Bangalore. He explained about Emerging I C Technologies, Information acquisition Technology of technologies. He also discussed on Institutional repositories Explosion of digital resources, Changing information needs of Researcher, Increased aspirations of Faculty, RSS-Read system syndicate & Structural metadata.

Demo on IR of PESCE, Mandya was conducted by Smt. H. V. Sulakshana, Deputy Librarian, Sri. H. C. Pradeep and Sri. M Manjesh, the Asst. Librarians and her team of staff at PESCE, Mandya. All the participants had a good hands on session and accessed IR of PESCE Mandya. Valedictory function started at 3-15 pm by invocation by Kum Nisarga.



Dr. K.N. Umesh, Former Dean (Acad) and Chief Coordinator, gave a brief report of the 2 Days workshop.

Feedback was obtained from the participants. Dr. Krishnamurthy was the Chief Guest of the Valedictory function. Dr H. V. Ravindra, Principal addressed the gathering. Smt Roopa was also present. Sri H. Honnappa, Secretary of the PET, Mandya has presided over the function. Certificates were distributed by Guests to Participants and Coordinators.

Kum Kavya, Library Assistant anchored the program. Sri. H. C. Pradeep, Assistant librarian welcomed the gathering. Smt Sulakshana, Librarian proposed Vote of Thanks.

Converner : Dr. H. V. Ravindra, Principal
Chief Coordinator: Dr. K. N. Umesh, Professor-In-Charge
Smt. H. V. Sulakshana, Deputy Librarian
Asst. Coordinators: Sri. H. C. Pradeep and Sri. M. Manjesh
Asst. Librarians

"If a country is to be corruption free and become a nation of beautiful minds, I strongly feel there are three key societal members who can make a difference. They are the father, the mother and the teacher."

Dr. APJ Abdul Kalam



ALBUM OF ACTIVITIES



Quiz Competition 25/2/16



Celebration of ISTE day 12/5/16



Blood Donation Camp 6/10/15



Singing Competition 25/2/16



Debate Competition 24/2/16



Drawing Competition by Iste and Red cross team 23/11/2015

"It is better to lead from behind and to put others in front, especially when you celebrate victory when nice things occur. You take the front line when there is danger. Then people will appreciate your leadership."

-Nelson Mandela



ALBUM OF ACTIVITIES



Eureka - 2015 Release Day 5/8/15



Endowment Medal Distribution 5/8/2015



Fire Department Demo 29/4/2016



Yoga Day 21/6/2016



Rural Schools visit by Iste and Red cross team 23/11/2015



“ If your actions inspire others to dream more, learn more, do more and become more, you are a leader. ”

- John Quincy Adams



YOUTH RED CROSS WING P.E.S COLLEGE OF ENGINEERING, MANDYA



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".

Philanthropist and noble man Chairman PET®, Dr. H. D. Chowdaiah, inaugurated the Youth Red Cross Wing of the P.E.S College of Engineering on 3rd September 2012 and kindled the spark of service mindness amongst the students in the Golden jubilee year.

The college Youth Red Cross wing organized Awareness programmes on "Uses of software's in Bank Transactions and Threat of Cyber Crime", "Activities of Red Cross Society" and "Importance of Blood Donation". Members of the wing also visited the Government High School of Hullikere and Orphanage of Prerana Trust and created awareness about the Hygienic habits amongst the students.



Honouring of Programme Officer Dr. B. S. Shivakumara by the executives of the Indian Red Cross Society of Karnataka state and Mandya district branch on 31st October 2015 at Placement Auditorium of the College.

Two quiz competitions related to the topics "Red Cross" and "Blood donation", Essay competition on the topic "National integration and Youth" Debate competition on the topic "Does the Indian education system need overhauling?", Impromptu speech competition and Patriotic & Light music songs singing competitions. Members of the wing visited.

Two Voluntary Blood donation & Grouping camps, "Instructions to Fight with Fire" programme, "Demo on Fire extinguishing" and "First Aid training programme". The above list of activities proves even though college wing performing the major activities of the Red Cross and fulfilling its objectives.

For the First time Redcross Wing of the college has celebrated the "Yoga day" to spread the message of "Importance of Yoga in boosting the Health".

Principal Dr. H. V. Ravindra and Director of P.E.T Institutions Dr. Ramalingaiah inaugurated the celebrations by lighting the lamp. The Wing celebrated "World Red Cross Day" and honored Principal Dr.H.V.Ravindra and out standing student members. Mr. Basarur Rajeev Shetty, Chairman, Indian Red Cross Society, Karnataka spoke on "Role of Red Cross in keeping world Peace and Harmony" on the occasion. On the same occasion Smt. Meera Shivalingaiah, Chairman, Indian Red Cross Society, Mandya District Branch distributed the prizes to the winners of the various competitions organized by the wing.

Dr. B.S Shivakumara, Programme officer, Youth Red Cross Wing



Function held at Placement Auditorium of the college during the Inauguration of Red Cross Bhavan at Mandya on 31st October 2015 Lighting the lamp by his excellency Sri. Vajubhai Vala, Governor of Karnataka

A Day At Prerana

A special program conducted to the specially abled children on 6th February 2016 at Prerana Trust, Mandya by the student chapter of ISTE and Youth Red Cross wing PESCE Mandya.

The student team headed by the office bearers Nisarga G. S., Anushree N., Vinay Raj H. S. along with the coordinators Soniya, Spurthy N Raju of PESCE conducted a short program which involved certain sessions on Hygiene, Etiquettes along with animated videos and certain simple activities for the children.

Singing competition was organized for the children and prizes were distributed to the winners as well as the participants to encourage their talent.

Dr. K. N. Umesh, Chairman and Dr. B. S. Shivakumara Secretary of ISTE-PESCE Mandya, and team visited the program and supported in completing it successfully.



Secretary Report



Dr. B.S. Shivakumara
Secretary, ISTE-PESCE Chapter

Sl. No	Date	Activities	Participants/Beneficiaries
1.	05.08.15	Dr. B.S. Shivakumara, Secretary indoctrinated the students of the first year about the ISTE chapters and its activities at the orientation programme. Chaiman, P.E.T®, Dr. H.D. Chowdaiah, Principal Dr. V. Sridhar, Chapter Chairman Dr. K.N. Umesh, executive committee members, parents and students participated.	1000 Parents and students
2.	05.08.15	Distributed the News letter "Eureka" of the chapters at the orientation programme of the 1 st year. Dr. H. D. Chowdaiah, Chaiman, P.E.T. Principal, Dr. V. Sridhar, office bearers of the Chapters, students and parents were present.	1000 parents and students
3.	15.08.15	ISTE Chapter chairman Dr. K. N. Umesh guided the office bearers of the student chapter about the planning and implementation of the activities of the chapters.	26 Office bearers
4.	12.09.15	Dr. H. D. Chowdaiah, Chaiman, P.E.T® released the new volume of the Newsletter "Eureka". Principal, Dr. V. Sridhar, Chapter chairman Dr. K. N. Umesh, Secretary Dr. B. S. Shivakumara, executive committee members and students were present on the occasion.	30 Faculty & Students
5.	12.09.15	Dr. H. D. Chowdaiah, Chaiman presented medals to the subject toppers of "Surveying" and "Works tudy & Ergonomics". Principal, Dr. V. Sridhar, Chapter chairman Dr. K. N. Umesh, Secretary Dr. B. S. Shivakumara, executive committee members and students were present on the occasion.	30 Faculty & Students
6.	12.09.15	Presented the 14 ISTE endowment medals to the toppers in the respective branches and subjects and streams at the 5 th Graduation day. Padmabhushan Dr. B. N. Suresh, Dr. S. Guruprasad Director DRDO, Dr. H. D. Chowdaiah, Chaiman, P.E.T® and Dr. V. Sridhar, Principal presented the medals.	650 Students Faculty & Parents
7.	12.9.15	Five members of the Student Chapter registered and attended the "ISTE state Annual Student Convention held at SDM College of Engineering, Ujire, D.K.	5 students
8.	12.9.15	President of the ISTE Student chapter Kumari G. S. Nisarga has been awarded the "Best Student of the Chapter Award" at the ISTE student convention held at SDM college of Engineering, Ujire, D.K.	1 student
9.	6.10.15	Voluntary Blood donation camp was organized at P.E.S College of Engineering, Mandya. 186 units of blood were collected. Principal Dr. V. Sridhar and Smt. Meera Shivalinagaiah, Chairman, Indian Red Cross Society, Mandya District Branch, inaugurated and motivated the students for donations.	220 student donors
10.	6.10.15	225 Blood groupings were done at P.E.S College of Engineering, Mandya	260 Students
11.	6.11.15 & 7.11.15	Chapter Chairman Dr. K. N Umesh, Secretary Dr. B. S Shivakumara, Sri. D. M. Srinivas, Sri Rudresh Adamani and Sri. M. A. Venugopal attended the 18 th ISTE Karnataka State Faculty Convention held at P.E.S University, Bangalore.	5 Faculty
12.	23.11.15	Members of the Student Chapter visited the Government high school of Hullikere Koppal Village . They created awareness about the importance of Memory Management, Hygienic Habits, Team Building, English Speaking, Carrying oneself.	60 students
13.	23.11.15	Singing and Drawing competitions were organized for the students of Government high school of Hullikere Koppal Village. Prizes were distributed to the winners. Principal, Dr. V. Sridhar, Chapter chairman Dr. K. N. Umesh, Secretary Dr. B. S. Shivakumara, were present on the occasion.	60 students
14.	06.02.16	Members of the Student Chapter visited the Prerana Trust at Mandya, which is an orphanage of mentally disabled and physically challenged children. They created awareness about the Hygienic habits, carrying oneself, etiquettes by audio-video interactions. Chapter Chairman Dr. K. N. Umesh, Secretary Dr. B.S. Shivakumara, graced the occasion.	30 students

15.	06.02.16	Singing competitions and games were organized for the mentally disabled and physically challenged children of Prerana trust orphanage, Mandya. Prizes were distributed to the winners.	30 students
16.	24.02.16	Impromptu speech competition was organized.	21 students
17.	25.02.16	A Quiz competition on "General Knowledge" was organized	87 students
18.	19.03.16	An awareness programme on "Uses of software's in Bank transactions and threat of Cyber crime" was organized. SBI officers Mr. Jaya Gopal Krishna and Mr. Vijayakumar Bhandari created awareness on the same. Principal Dr. V. Sridhar graced the occasion.	45 students
19.	04.04.16	165 Blood groupings were done at P.E.S College of Engineering, Mandya.	160 Students
20.	27..04.16	Dr. K.N. Umesh, Chairman, ISTE faculty Chapter conducted a Seminar on "Proverbs - A Path of Success & Personality development" for the high school students of the summer camp organized at P.E.S College of Engineering.	42 Students
21.	29.04.16	"Instructions on the Fighting Fire" programme was organized at P.E.S College of Engineering, Mandya.	370 Students
22.	29.04.16	"Demo on Fire Extinguishing" programme was organized at P.E.S College of Engineering, Mandya.	370 Students
23.	29.04.16	Dr. K.N.Umesh, Chairman, ISTE Faculty Chapter conducted a workshop on Robot Design the high school students of the summer camp organized at P.E.S College of Engineering for Anthakshari competitions.	37 Students
24.	03.05.16	Essay competition was organized on the topic "Exposing the secrets of Miracles" for the high school students of the summer camp organized at P.E.S College of Engineering.	42 Students
25.	04.05.16	Pick & Speak Competition was organized for the high school students of the summer camp organized at P.E.S College of Engineering, Mandya campus.	42 Students
26.	04.05.16	Drawing Competition was organized for the high school students of the summer camp organized at P.E.S College of Engineering, Mandya campus.	42 Students
27.	05.05.16	An "Anthakshari of Kannada Proverbs competition" was organized for the high school students of the summer camp. Winner and Runner groups were selected. Individual winner and Runner of the Anthakshari were identified.	42 Students
28.	06.05.16	Prizes were distributed for the winners of Essay, singing, Pick & Speak, Drawing and Anthakshari competitions organized for the high school students of the summer camp organized at P.E.S College of Engineering. at the valedictory function of the summer camp.	42 Students
29.	12.05.16	Chapters celebrated "ISTE day". Dr. T .M. Srinivasa, Principal, AMC College of Engineering, Bengaluru Member, Executive Committee, ISTE Karnataka Section spoke on role of ISTE in promoting Technical Education on the occasion.	85 Students & Faculty
30.	12.05.16	Chapter honored its Outstanding Student Members and Distinguished member Dr. H. V. Ravindra who has taken reigns of the college as principal on the occasion of "ISTE Day".	85 Students & Faculty
31.	12.05.16	Prizes were distributed for the winners of "Essay competition", "Impromptu speech", "Singing competitions", "Debate competition" and "Quiz competition" on the occasion of "ISTE Day".	80 Students and Faculty
32.	21.06.16	Yoga day was celebrated. Principal Dr. H. V. Ravindra and Director of P.E.T institutions Dr. Ramalingaiah inaugurated the celebrations by lighting the lamp. Kumari Archana Muralidhar and team demonstrated the various "Asanas" of the Yoga. They also narrated the significance and benefits of each "Asanas". Students and Staff of the college performed the "Yogasanas".	45 Students and Faculty

ISTE ENDOWMENT MEDAL -2016 WINNERS

Sl. No	Toppers in B.E	Endowment Medal	Name & Address of Donor	Details of Winner		
				Name	CGPA	Photos
1	Mechanical Engineering	Smt. T.H. Mala Srinivasan & Dr.K.S. Srinivasan Endowment Medal	Dr.K.S. Srinivasan	AKRAM JAVID	9.22	
			Bangaluru	4PS12ME007		
				8892561449		
2	Automobile Engineering	Dr.K.P.Srinivasa Setty Endowment Medal	Dr.K.P.Srinivasa Setty	ANAND RAJ .S	8.92	
			Bangalore	4PS12AU002		
				9341133007		
3	Civil Engineering	Smt. Nagamma & N.T. Cheluvegowda Endowment Medal	Dr. N.T. Cheluvegowda	MADAN GOWDA N	9.7	
			9448582590	4PS12CV047		
				7090446515		
4	Computer Science and Engineering	Sri. Puttaswamy Endowment Medal	Dr. P.Suresh	ABHISHEK N.C	9.41	
			Mysuru	4PS12CS002		
			9980823911	7760869076		
5	Industrial & Production	Sri. M.K. Ramaiah Endowment Medal	Sri. M.K. Ramaiah	LOKESH M.S	9.39	
			Mandya	4PS13IP402		
				9964131388		
6	Information Science & Engineering	Sri. Puttaswamy Endowment Medal	Dr. P.Suresh	VRUSCHITHA J.S	9.21	
			Mysuru	4PS12IS030		
			9980823911	8152934134		
7	Electrical Engineering	Sri. Mulemanchana Boregowda Kallahalli Endowment medal	Prof.K.B. Boraiah	LOHITH H	9.51	
			Mandya	4PS12EE022		
			9448383012	9071033299		
8	Electronics & Communication Engineering	Sri.Samartha Endowment Medal	Sri.Samartha	ANUSHAS	9.56	
			Bengaluru	4PS12EC013		
				9738968485		
9	Lady Topper in Electronics & Communication	Smt. N. Premalatha Endowment Medal	Sri.S. N. Narasimhamurty	ANUSHAS	9.56	
			Mandya	4PS12EC013		
				9738968485		
10	Overall Topper in Mechanical Engg. Science	Dr.K.P.Srinivasa Setty Endowment Medal	Dr.K.P.Srinivasa Setty	AKRAM JAVID	9.22	
			Bengaluru	4PS12ME007		
				8892561449		
11	Overall Topper in Civil Engg. Science	Sri. Chandrashekar Endowment Medal	Sri Prakashan	MADAN GOWDA N	9.7	
				4PS12CV047		
				7090446515		
12	Overall Topper in Computer Science & Engineering	Late.P.Srinivasaiah Endowment Medal	Dr Murali	ABHISHEK N.C	9.41	
			S2320,Sarvjna Road, Kuvempu nagar,Mysuru	4PS12CS002		
				7760869076		
13	Overall Topper in Surveying	Smt. Puttalingamma & Sri Honnegowda Endowment Medal	Sri M Shankaregowda	SUHAS GOWDA. C	191/200	
			Associate prof.	4PS14CV115		
			Civil Dept. PESCE Mandya			
14	Topper in Engineering Mathematics	Sri Anniganahally Thammaiahshetty Endowment Medal	Dr. A.T.Eswara	SPOORTHI M.N	396/400	
				4PS12EC102		
15	Topper in Work study & Ergonomics of B.E(I&P Engg)	Sri B.L Sathyanarayana Memorial Endowment Medal	Dr. B.S Shivakumara	MANJUSIMHA P.N	85/100	
			Professor, I&P Engg.Dept	4PS13IPO17		
			PESCE, Mandy			
16	Differently Abled Under Graduate Student	Dr. S.Venugopalachar Memorial Endowment Medal	Dr. V.Sridhar	Rekha .K	8.86	
				4PS12CS096		

Distinguished Members of ISTE

Outgoing Chairman

Dr. K. N. Umesh B.E., M.Tech.(IITM), Ph.D.(IITB), FIE., CE., MISTE., Former Dean (Academic Affairs) & Professor Mechanical Engg., P.E.S.College of Engg., MANDYA - 571 401 Karnataka (India)
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Dr. Umesh K.N, born in Tagadur, a village in Karnataka of the Indian subcontinent on 14th July 1956, in orthodox family. His proud parents are Sri K. R. Nagaraja Rao, (retired as Station Superintendent for Southern Railways) and Smt K. N. Anasuya (housewife). Although, he did primary education, in many schools across North and South Karnataka, he has been an alumnus prestigious PES Institutions such as, PES College of Science, Mandya (1974) and PES College of Engineering, Mandya (1980).

He is a Bachelor of Engineering from the University of Mysore, Mysore, Karnataka, India (1980), Master of Technology in Mechanical Engineering, from the Indian Institute of Technology, Chennai, Tamilnadu (1987) and Doctorate from Indian Institute of Technology, Bombay, Mumbai, Maharashtra, India (1995). His major field of study is Machine Design, Robotics.

He was formerly a Dean (Academic Affairs). He has been a Member, Coordinator, Chairman on panels of University/AICTE/Other Statutory Bodies and is a Certified Trainer of Industrial Automation from VTU-Bosch Rexroth Centre of Competence, Mysore, Visvesvaraya Technological University, Belagavi. He has headed the Department of Mechanical Engg., at PES College of Engineering, Mandya and other Institutions for over 15 years. He is presently working as Professor of Mechanical Engineering and Advisor to Library & Information Centre of PES College of Engineering, Mandya, Karnataka, India (PIN-571401) which is affiliated to Visvesvaraya Technological University, Belagavi.

He is a Co-Author of "A Primer on Computer Aided Engineering Drawing", Visvesvaraya Technological University, Belagavi, India, 2007 and Computer Aided Engineering Drawing, 2nd Ed, CBS Publishers, New Delhi, India 2015. He has authored "E-Book on Theory of Machines", Visvesvaraya Technological University, Belagavi.

His interests are Robotics and Condition Monitoring, Office and Campus Automation. He has published papers on Synthesis of Robotic Linkages and Condition Monitoring of Machines.

He is a Fellow of Institution Engineers (India) (1999) and Chartered Engineer (2012), a Senior Member of Indian Society for Technical Education (1989).

He is the first ever distinguished Awardee of ISTE-Stripes of Redeemer National Award for the Best ISTE Chapter Chairman (Engg. Colleges) (2013).

He will be retiring from Govt. Aided Service for PES College of Engineering after superannuation, on 31st July 2016. Let us wish him the best for his retired life.

VTU Vice-Chancellor

Dr. V.Sridhar, Vice Chancellor, VTU, Belagavi



We take this opportunity to Congratulate, Dr. V.Sridhar on his appointment as the In charge Vice Chancellor, VTU, Belagavi. Dr. V.Sridhar, born in Mysuru, Karnataka of the Indian Subcontinent on 10th August 1958. He did his B.E (Electronics and Communication Engineering) at PES College of Engineering, Mandya. He obtained his ME (Electronics and Telecommunication Engineering) from Jadavpur University. Later he got his PhD in Electronics and Telecommunication Engineering from Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi. He was awarded Post-Doctoral Research from Department of Electrical and Electronics Engineering, University of Tenaga Nasional, Kajang, Malaysia. His areas of academic interest are VLSI Design, Digital Signal Processing, Bio-medical Engineering and Instrumentation and Cognitive Studies, Telemedicine, Computer and Mobile Communications, Cryptography and Biometric.

He has 33 years teaching and research experience. He has handled several funded research projects, four under AICTE, One under S & T Mission mode and One under VGST. He has also guided more than 12 Ph.D's and more than 4 M.Sc (Engg). He is involved with professional bodies like IEEE, ISTE, FIETE and MBMSI.

He was served as HOD of E&C engineering and later as Principal PES College of Engg, Mandya during 2008-2016. He was on deputation to the post of Registrar (Evaluation) of the prestigious University VTU. His achievements are making VTU examination system as a Model for other universities in Karnataka, First in India he has successfully implemented online PG Examination System for M.Tech and MBA. He developed a modernized printing system for Confidential Work at University Campus. He established a Single Window for service to all stakeholders.

In recognition of his meritorious contributions, he was nominated as a member of Academic Senate at VTU by the Govt of Karnataka. He was Chairman, Member of Board of Studies, Board of Examinations (UG & PG) University of Mysuru, Member of Board of Studies at other Universities. He has been a Principal Investigator of AICTE funded projects, R & D Projects.

He was Designated as Officer on Special duty by the Vice Chancellor, VTU, Belagavi and PG Coordinator of VTU Extension Centre. In recognition of his honest, dedicated and fruitful services he was elevated to the post of Vice chancellor of VTU, Belagavi in the year 2016.

Incumbant Principal

Dr. H.V. Ravindra B.E., M.Tech., Ph D.

Principal

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Dr. H.V.Ravindra, born in Mandya, Karnataka of the Indian subcontinent on 13-04-1961. He is Bachelor of Engineering from the University of Mysuru, Karnataka, India (1983), Master of Technology in Production Engineering, from the Indian Institute of Technology, Madras, Tamilnadu (1987) and Doctorate from Indian Institute of Technology, Madras, Tamilnadu, India (1993). His major field of study is Condition Monitoring, Composite Materials, Non-traditional Machining Processes, Machine vision, Welding, etc., He has been member of National Board of Accreditation, Expert Committee for starting of New PG Courses, AICTE, New Delhi and Governing Body Member, Institute of Shipbuilding Technology, GOA. He has Membership in Academic Bodies of Board of Examination (UG & PG), VTU, Belgaum and Kuvempu University and Board of Studies (UG & PG) Kuvempu University and Board of Studies (M.Tech.), VTU Belgaum.

He has membership and fellowship of Professional bodies like Life member of Indian Society of Technical Education (ISTE), Fellow of Institute of Engineers(I) [FIE] and Fellow of Indian Institute of Production Engineering [IIPE]. His administrative positions held are Founder Secretary, ISTE Chapter, Coordinator, and PG in Computer Integrated Manufacturing (CIM), Secretary, Industry-Institute Partnership Cell (IIPC), Administrative Officer, P.E.T Sports Complex, Treasurer, Mandya District Badminton Association and Vice President of Alumni Association, P.E.S.C.E., Mandya. He has headed the Department of Mechanical Engg., at PES College of Engineering, Mandya. He was formerly a Dean (Academic Affairs). He is presently working as Principal and TEQIP Coordinator P.E.S. College of Engineering, Mandya, Karnataka, India which is affiliated to Visvesvaraya Technological University, Belagavi. He has 33 years of teaching experience and 26 years of Research Experience. He has handled several research projects worth more than one crore from various agencies like AICTE, DST, UGC, VTU, DRDO, Pune. He has published papers in International conferences 97, International journals 41, National Conferences 32 and National Journals one. He also guided 80 under graduate, 60 post graduate 4 Ph.D's. and guiding 9 Ph.D's and, one M.Sc. Engg., by Research.