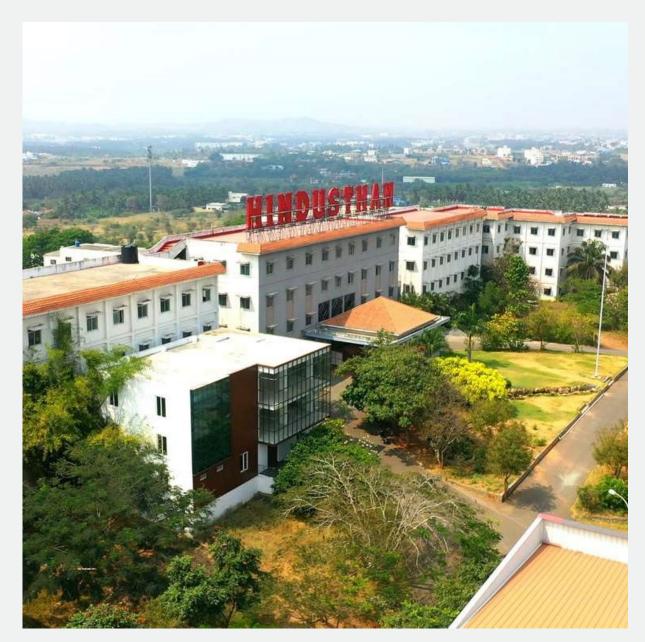
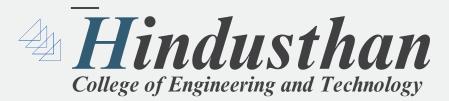


Vol. 19, No. 2 2019 - 2020

HINEWS

NEWSLETTER





 Othakkalmandapam post, Coimbatore, Tamilnadu, India
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Vol. 19, No. 2 2019 - 2020

Vision Mission quality Policy

HINEWS

Get The Best In Everything Education | Ethics | Excellence



VISION

To become a premier institution by producing professionals with strong technical knowledge, innovative research skills and high ethical values.

MISSION

- IMI: To provide academic excellence in technical education through novel teaching methods.
- IM2: To empower students with creative skills and leadership qualities.
- IM3: To produce dedicated professionals with social responsibility.

QUALITY POLICY

Hindusthan College of Engineering and Technology (HiCET) aims at providing the best education which will mould the students as the right characters, who will cater to the needs of the society. While providing various inputs for the best education, HiCET constantly thrives upon continual improvement with the utmost commitment for the complete satisfaction of the stakeholder

2019 - 2020







About Us

Hindusthan College of Engineering and Technology (HiCET) Coimbatore, established in the year 2000 by the great Industrialist and Philanthropist, Kongu Rathinam Thiru.T.S.R.Khannaiyann of Hindusthan Educational Trust whose determination and dynamism made possible the realization of this institution of excellence. Surrounded with natures pristine beauty and an excellent infrastructure coupled with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HiCET is one of the premier technological institutions inculcating guality and value based education through innovative teaching learning process for holistic development of the Students. The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC) and is an autonomous institution affiliated to Anna University, Chennai with permanent affiliation for most of the programmes, approved by the AICTE and the Government of India. Accredited by the National Assessment and Accreditation Council (NAAC) with 'A' grade, National Board of Accreditation (NBA).

HiCET conducts seminars and also invites companies to give presentations that will help our students to choose a right career for themselves and has hence contributed to the industry by successfully delivering fresh recruits who have contributed continuously to the growth of the industry by being a part of the top-notch organizations. For all these reasons HiCET has been a preferred institute for recruiting young minds.

Currently, there are around 5000+ students pursuing various Undergraduate programs (B.E./B.Tech.), Postgraduate programs (M.E./M.Tech, MBA & MCA) and Ph.D. research programs in the Institution and are mentored by above 400 well qualified and experienced faculty members. HiCET nurtures future global leaders by imparting knowledge, skills and building attitudes among students to face the world in a fresh, energetic and unrestrictive work environment.





Dr. Annadurai S Advisor

Message

I am thrilled to present the release of the "HiNEWS" Newsletter for the 2019-2020 EVEN Semester. This publication showcases the incredible achievements and progress made by our students and faculty during this academic year.

The newsletter captures the essence of our institution's ethos and the relentless pursuit of knowledge and innovation. It is a testament to the hard work, dedication, and passion exhibited by each member of our college family.

I extend my heartfelt gratitude to the editorial team and contributors for their exceptional work in putting together this informative and inspiring newsletter.

Let us celebrate our collective accomplishments and continue striving for excellence in all our endeavours.

Dr. Annadurai S Advisor



Dr. Kannadasan T Principal



Message

I am thrilled to present the release of the "HiNEWS" Newsletter for the 2019-2020 EVEN Semester at Hindusthan College of Engineering and Technology, Coimbatore.

This publication reflects the collective efforts of our talented students and dedicated faculty members. "HiNEWS" embodies our commitment to fostering academic excellence, innovation, and a vibrant campus community.

Through this platform, we aim to showcase our achievements, events, and initiatives that have shaped the semester. I extend my heartfelt appreciation to all contributors and the editorial team for their hard work in bringing this edition to life.

Let us continue to embrace knowledge and progress as we march towards an inspiring future. Congratulations to all involved!

> Dr. Kannadasan T Principal



IQAC

Institutional activities

- Won First Place in hardware edition of Smart India Hackathon (SfH 2019).
- Established Institution Innovation Council (llC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with live star.
- Decentralized the academic and administrative responsibilities for students through various committees and clubs.
- Energy audit is carried out in the institution to monitor the energy requirements.
- Industry Partnered CenLres
 - IBMSoftware Lab
- Hosted National Level SAUR URJA Vehicle Challenge (SUVC 2020).
- Secured top positions in EFFICYCLE 2019 organized at LPU, Punjab
- Secured top positions in Rally Car Design Technology event (RCDC), 2019 organized in Thar Deset, Bi kaner, Rajasthan..
- Participated in SAE SUPRA and E-BAJA.
- The College has set up various cells and clubs for students and faculty members. Entrepreneurship development cell (EDC), English Language and Oratorical Club (ELOC), Tamil Mandrarn, Yoga club, NSS, Rotract club, Red ribbon club, Youth Red Cross, ECO club, Science Club are providing the right ambience and opportunity of getting developed into all rounded personalities.
- Established Center of Excellence in Automobile Engineering

Academic Innovations, Teaching and Learning

- IBM in tegrated courses mapped with curricu lum offered for the branches of B. E (CSE), B.Tech (11'1 and B. E (ECE).
- Participated in the MoE's NIRF.
- Funding received from AICTE under MODROBS scheme.
- Skill enhancement training provided to SC/ ST students through AICTE PRERANA scheme.
- Entrepreneurial attitude promoted among the student community though activities organized with funding from DST-NIMA.

Research and Development

- HICET has organized many Conferences/ workshops/seminars sponsored by outside agencies like CSI, AJCTE, DRDO and ISRO.
- Research Seed Money is awarded to promote Inter disciplinary Research in thrust areas. Separate budget is allocated every year to strengthen the Research facilities.1.24 Lakhs seed money is provided for this academic year
- The faculty members are encouraged with incentives for reseasch activities for this academic year with outcome of 22 patents and 132 research papers were published ln this academic year.
- HiCET has entered into 50+ functional MoUs with various organizations Lo enhance its students learning experiences with wide opportunities for skill development and career advancement.

Faculty Enrichment

- In this academic year more than 127 faculties are provided with financial support to attend conference, workshops, seminars and members in various professional bodies,
- Nearly 34 programs were organized by the institution for faculty development, professional development.
- Almost 287 faculties are benefited by attending online FDPs, professional development courses

Placement and Entrepreneurship

- Placement enhancement training provided MAC Private Limited, Singapore for MBA students.
- 752 students were placed in different industries, MNCs in this academic year.
- En trepreneurship awareness seminars, workshops are organized.



Extension activities

- Received approval for NCC Air Wing by 2(TN) AIRSQN.
- Swach Pakhwada (tree planttion, helmet awareness/clean india) awareness mass rally was conducted.
- Advanced leadership camp was arranged by NCC Airwing
- Environmental awareness Trekking programme has been organized at Nilagiri bio sphere park, Anaikally.
- Jal sakthi abiya.n Rain water harvesting awareness programme was conducted at Othakalmandapam, Panchayath
- Nea.rly 34 outreach activities were carried out in this academic year.



AERONAUTICAL ENGINEERING

TOPGUN Competition

Our club members have participated in TOPGUN Competition, (National level fixed wing Aircraft building and flying competition) organized by NITTE Meenakshi Institute of Technology, Yelahan-ka, Bengaluru, held during 4th and 5th March 2020 and secured 8th place.





Memorandum of Understanding with TASS Academy

Our Faculty Mr. Saravana Kumar V visited Barolo Technologies, Chennai on February 14th 2020 as a part of Institute and Industry Interaction. During the visit latest developments in the field of UAS, like Mind control Drones and Gesture control drones where demonstrated. Barolo Technologies are ready to support our students in all the possible ways.



SHOCKAERONZ_2020

11th national-level technical symposium "SHOCKAERONZ 2020" was held on 28th of FEB. Mr. M. SENTHIL PRASAD (Principal engineer, Quest Global Engineering Ser-vices Pt. Ltd, Bangalore) was the chief guest for the event. In this events student had participated and learned about water rocket, glider, paper presentation, and 3D Modelling etc



HIPPHERICHAN

Two days' Workshop on Drone Technology on 07th and 08th FEB

A two days work-shop on drone technology was conducted to involve the students in the drone technology. Students made little aircrafts with balsa wood. Also assembled various drone configurations to students the drones and its components.



Basic UAV Course (Design, Development and Flying) 20th to 24th JAN





The use of drones to improve public safety, Agriculture and other uses will only increase.



Women safety and awareness on Kavalan app on 07 March

Though there are many safety apps for women this study focuses on Kavalan app which was launched in 2018 by Tamil Nadu police to ensure women safety. Girls' studentswere made aware of the app and made to install it and advised to use it properly.

EXPLORING CAREER OPPORTUNITIES AND CHALLENGES IN CFD/CAE PROFESSION ON 16TH JUNE

Mr. JOVIN JOSE (Sr. CFD Thermal De- sign Engineer for GM Powertrain at Tata Consultancy Service, Hyderabad) was the resource person for the webinar. The out- come of the event is Students are very excited to learned importance of CFD and its applications, many students are learned various tools used in CFD, Various job opportunities in CFD domain.

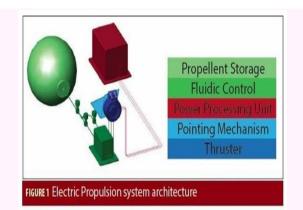


ADVANCES IN SPACECRAFT PROPULSION AND CAREER ASPECTS



Mr Rohan Ganapathy (CEO Bellatrix Aerospace, Bengaluru) was the resource person of the event and this event is conducted on 14th Oct. The outcome of the event is Students are able to understand the Importance of spacecraft propulsion

NICET .	Department of A	i Highway, Coimbatore – A eronautical Eng resents	641 032	
Partners	Chief Guest Mr. Rohan M Ganapathy, CEO, Bellatrix Ae Bengaluru. (Our Prestigious abu	Little Alt	Ordine Flavors Google Meet Live streaming You Tube	
Guest L	ecture on : Advances i	n Spacecraft propu	ulsion and career aspects	
	Date : 14/10/202	0 Time	: 11.00 a.m	
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CAREER PROSPECTS ENGINEERING

AERONAUTICAL/MECHANICAL

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This webinar was conducted on 06th June through online the outcome of the webinar is that to make students get motivated by listening to the speech of successful Alumni, to create knowledge about online courses to opt and learn, to analyse the risk factors while searching for jobs, to make the students get connected with Alumni to clear up the doubts regarding the placement recruitment, to encourage the young engineers to enhance their technical skills to getplaced in companies.



ONLINE WEBINAR SERIES ON UAV ON 26/07/2020

The outcome of the event is that the students gained knowledge on Design of a drone for specific applications, implementation of Autonomous system in drones, About Electronic components selection and usage and On World's largest Drone Manufacturer DJI and its products Remarks and Feedback on the Event is that the Students Requested Training program/workshops on Flight controller and Programming in DRONES.

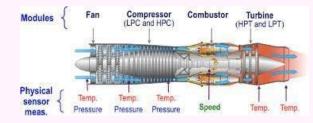






ONLINE LECTURE SERIES ON AIRCRAFT PROPULSION

Mr. Suresh C (AP/Aero, HiCET) was the resource person of the event. This event is organize conducted on 31th July to 02nd August. The outcome of the event is that the students are able to understand the aircraft propulsion.



INTERVIEWS DO'S AND DON'TS 14TH JUNE

Mr. Sridhar K, Head, Campus To Corporate KNCET Groups was the speaker of the event. The outcome of the event is that the Participants gained knowledge on basis of Interview tips and tricks.

2019 - 2020 EVEN SEMESTER NEWSLETTER

HINEWS AUTOMOBILE ENGINEERING

ROAD SAFETY AWARENESS PROGRAMME AT POLLACHI

In Pollachi, instructors and students from the Department of AutomobileEngineering held an awareness event with the Tamilnadu Traffic Police.



AUTOMOBILE STUDENTS WITH TAMILNADU TRAFFIC POLICE

26th of January, The Automobile students organized a road safety awareness event for the public at 12:00 Noon. The event takes place at the Gandhi Statue signal in Pollachi.

Finally, the student's valuable contribution to society is recognized by the general public and the Tamil Nadu Traffic Police.

PRANA – E BIKE LAUNCH EVENT



HAP HOR HAS

On February 06, the Department of Automobile Engineering arranged a great session with the chief guests, Mr. C. Vijaya Kumar and Mr. M. Santhosh Kumar, to discuss the PRANA in the Era of Electric Mobility with the students.

A session starts with a welcome address from Dr. Sabari Nathan, HOD Sir. After that,Mr. Vijaya Kumar took over the session by sharing the future technology of Prana. The session lasted 2 hours.

After the session, our chief guests planted a plant in the garden. which makes it a memorable moment for them. Finally, the PRANA is getting ready to launch at the Hindusthan Campus.



EICHER ON WHEEL - BS VI

HINDUSTHAN, On February 24th, 2020, the Volvo Eicher Centre of Excellence and Competence Development Centre organized a trainer programme for Automobile students and faculty members.

VOLV O EICHER CENTRE sent an Eicher truck which is full of BS VI technology engines.

The BS6 vehicles are over 50% less polluting than the BS4 vehicles. With the BS6 standards, the NOx emission rate can come down by approximately 25% in the case of petrol engines and 70% in the case of diesel engines. The cancer-causing particulate matter emissions from the diesel engines will also come down by 80%.

The Eicher truck is placed in front of the Hindusthan main block for student training. The students are scheduled by the HOD sir to visit the Eicher truck at acertain time.

TECHNOLOGY ADOPTED IN BS VI VECHICLE - ONLINE EVENT

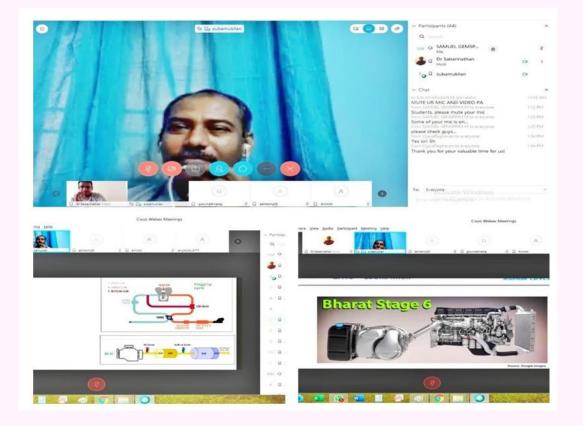
During the pandemic situation, our automobile department conducted a three-day online event [webinar] which was about the technology behind the BS VI AUTOMOTIVE ENGINE and commercial vehicle engines, which technology was adopted in BS VI vehicles.

The first day of the event was conducted on April 27, 2020, with the expert B. LAKSHMIKANTH. [Deputy Manager, Vehicle Assembly: Ashok Leyland]

He had talked about the technology that was adopted in the BS VI vehicle. His speech about technology was really unbelievable and impressive.

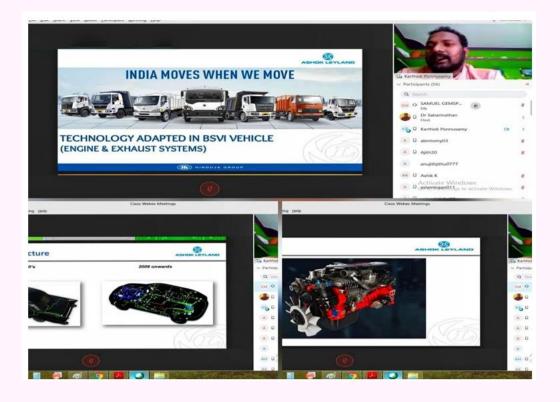
With the help of a catalyst, the Selective Catalytic Reduction (SCR) unit convertsnitrogen oxide (NOx) into diatomic nitrogen and water (both harmless products) with the help of a catalyst. The SCR unit uses AdBlue, or diesel exhaust fluid, toreduce NOx emissions.

The 2Nd day of the event was conducted on April 28th, 2020, with the expert G. SARAVANAN [MANAGER ENGINE MANUFACTURING ASHOK LEYLAND].



He had talked about the technology behind the BS VI automotive engine.

The 3rd day of the event was conducted on April 29th, 2020, with the expert P.Karthick [DEPUTY MANAGER CHASSIS ASSEMBLY MANUFACTURING OF ASHOK LEYLAND].



He talked about the technology behind BS VI commercial vehicle engine.

WEBINAR ON ROLE OF CFD IN AUTOMOTIVE INDUSTRIES AND ITS APPLICATION

On May 22, 2020, the Department of Automobile Engineering (HICET) conducted a webinar on the "Role of CFD in Automotive Industries and its Applications." Themajor purpose of this webinar is to make the students familiar with computational fluid dynamics and its applications in the automotive industry. The session was handled by Mr. Sri Vaishnav S, CAE/CFD Simulation specialist, Renault Nissan Techno center Chennai. He has a wide experience in the field as he completed his graduation in CFD at IIPM Dehradun.







The welcome address was given by our beloved HOD, Dr.C.Sabarinathan, and the session was handed over to the resource person. The event started around 04.00 pm

and ended by 05.00 pm. As an outcome, the participants were able to know the various simulation techniques that are used in CFD analysis and their applications invarious systems of automobiles. Mr. Samuel Gemsprim M, Assistant Professor, delivered the vote of thanks to the resource person, HOD, faculties, and participants for gracing the event.

WEBINAR ON ELECTRIC VEHICLE BATTERY TECHNOLOGY & BMS

On May 14, 2020, the Department of Automobile Engineering (HICET) conducted a webinar on "Electric Vehicle Battery Technology & BMS." The major motive of this webinar is to make the students become enlightened by the emerging electric vehicle technology and battery management systems. The session was handled by Mr. Santosh Kumar Manickam, R & D – Design Lead at Srivaru Motors Pvt. Ltd., Coimbatore.

The welcome address was given by our beloved HOD, Dr.C.Sabarinathan, and the session was handed over to the resource person. The event started around 04.30 pm and ended by 05.30 pm.





As an outcome, the participants were able to explore the recent advancements that are taking place in electric vehicle technology and how those vehicles are replacing conventional IC engine vehicles. The resource person was kind enough to answer the queries and doubts of the participants. Mr. Naresh Mallireddy, Assistant Professor, delivered the vote of thanks to the resource person,HoD, faculties, and participants for gracing the event.

WEBINAR ON ROLE OF SUPPLY CHAIN MANAGEMENT IN AUTOMOTIVE

INDUSTRY

On May 8, 2020, the Department of Automobile Engineering (HICET) conducted a webinar on "Role of Supply Chain Management in the Automotive Industry." The major motive of this webinar is to make the students become enlightened about supply chain management and its applications in the automotive industry. The session was handled by our department's renowned alumnus, Mr. Karivaradharaj R, Master's graduate from Kedge Business School, France.

The welcome address was given by our beloved HOD, Dr.C.Sabarinathan, and the session was handed over to the resource person. The event started around 05.00 pm and ended by 06.00 pm.





As an outcome, the participants were able to understand the tools involved in supply chain management and their effectiveness in theautomotive industry. The students also had a good interaction with him regarding the higher studies opportunities and gateways to getting admissions into foreign universities. Mr.Yogaraja J, Assistant Professor, delivered the vote of thanks to the resource person, HoD, faculties, and participants for gracing the event.

EXPERT VISIT FROM DAIMLER

(BHARAT BENZ)

Our college conducts a program named HI-FUSE every year for the students to get motivated and inspired speakers from various industries and companies related to all the departments to share the brief moment and give us a oral tour about experiences they came across. For automobile department **Mr. Chandra Mohan, Divisional Manager, Finance and Control, Daimler India Pvt. Ltd** had visited our college on the same day he visited our karting lab. He gave his valuable suggestions to improve our kart's performance. He also gave new ideas and methods to be used in our karts.





EXPERT VISIT FROM VOLVO EICHER and ROYAL ENFIELD

We are very proud to say that **VOLVO EICHER** and **ROYAL ENFIELD** officials have visited our department for establishing a center of excellence in our department laboratory.



E-BAJA 2019



In the E Baja competition organized by Mahindra SAE India, held at ARAI's NATRAX Pithampur, Indore on January 20th, 2020, the participating team demonstrated their engineering skills and off-road vehicle capabilities. Among numerous teams from across India, they secured an impressive 45th rank with a total score of 1231 points. Their vehicle's design, performance, and innovations contributed to their success in the challenging competition. The event provided an excellent opportunity for students to showcase their expertise in designing and manufacturing all-terrain vehicles, fostering a spirit of innovation and competitiveness among the participants. The team's achievement in the E Baja competition marks a significant milestone in their engineering journey and serves as a testament to their dedication and hard work.





Solar Vehicle Design Championship SUVC 2020



The Solar Vehicle Championship SUVC 2020, hosted by Hindusthan College of Engineering and Technology, took place on February 27th, 2020. The event brought together talented students from various institutions to showcase their solar-powered vehicle designs. Among the competing teams from across India, the participating team from Hindusthan College of Engineering and Technology achieved a commendable 12th rank overall. Their solar vehicle demonstrated impressive engineering and innovation, earning them recognition and one award. Notably, they were honored with the RSTE Visionary Award, which highlights their dedication to sustainable and eco-friendly mobility solutions. The competition fostered a spirit of environmental consciousness and technological advancement, promoting solar energy's potential in the automotive industry. The team's success in the Solar Vehicle Championship SUVC 2020 reflects their commitment to creating a greener and cleaner future for transportation.

FUNDS APPLIED AND RECEIVED

<u>S.No</u>	Date	Name of the Faculty	Nature of Work	Name of the Company	Consultancy charge	Total Amount
			Academic Year: 2019 -	2020		
1.	14.12.2019	Dr Sabarinathan C Dr Jayalakshmi P Mr. Samuel Gemsprim M	Two-Wheeler Test Rig	Sri Varu Motors Private Limited, Coimbatore	453250.00 + 18% GST	534835.00

BIOMEDICAL ENGINEERING

Students Events

NCC AIRWING cadets Mr. Dharshan and Mr. Pankaj has done along with NCC members conducted "Swachh Bharath" mission for clean environment and also "Bike rally" for the awareness of helmet wearing. They got selection for "Rifle firing" in PSG college of arts & science.

Mr. Hariharan R the cadet of "NCC ARMYWING" had attended "Combined annual training camp" in PSG Institution of Technology and made a "cycle rally" for "Swachh Bharath & Swachh Pakwada" for clean India scheme. He made a trekking in Nilgiris's Biosphere.





Internal hackathon in our college **"Smart India Hackathon"** was held on 21-01-2020 and students from our department were divided in to two groups.

First group present the topic on *"IoT based smart bottles"* and second group present the topic on *"smart jackets for security forces"*.





R. Sanjay Kumar, Povesh, K. Dinesh won the *"Park Alumni Trophy 2020"* on the date 08-02-20 to13-02-2020 at Park college of engineering & technology.



And also won 3rd place in "Anna university zonal & Sri Ramakrishna Trophy"



NSS candidates from our department attended village camp at otthakkalmandapam for the welfare of the society



Ms. Mano Ranjitham R from our department had participated quiz in the *"Biomimicry" event* of YUGAM2019at kumaraguru intuition and became runner up.







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Mr. Mohammed Fawaz had successfully launched a website based on scholarship for all category students, *"Cores garage"* along with his colleagues from other department.

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CIVIL ENGINEERING

EVENTS ORGANIZED

Training program was conducted on "Introduction to CAD" on 13.07.2019 by CADD CENTRE, COIMBATORE. Mr. Santhosh Kumar, Centre Manager and Ms. Nisha, Design Engineer of CADD, Coimbatore addressed the participants and gave a brief talk on how to use CAD software for effective planning of the buildings. They gave a detailed introduction about the CAD software for drafting of building plans to second year students. Students were also exposed to basic planning of structures using CAD software with hands on training in the software.



A Special Lecture was organized on "Non-Destructive Testing of Concrete" on 17.08.2019. Mr.D. Lawrence, CEO, A+ NDT Ltd, Coimbatore addressed the participants and gave excellent lectures on various methods of Non- Destructive Testing of Concrete. He gave an excellent session on non-destructive testing of concrete. He discussed about the techniques of Rebound Hammer test, Ultra-sonic pulse wave test, Pull Out test, Penetration test, Radio-active method for Non-destructive testing of concrete.







The student chapter of Indian Concrete Institute (ICI) was inaugurated on 04.10.2019. Dr.A. Sudhakar, Secretary, ICI Coimbatore Centre &CEO, Dimensions Structural Design, Coimbatore Inaugurated the local chapter and addressed the students. He gave an innovative session about Concrete mix design, sustainability in concrete production, alternative concrete methods, Economics in Concrete. And gave an idea about



earning effectively by proper Mix Design of Concrete.

FACULTY ACHIEVEMENT

Mr. Vivek S, published a paper "Rainfall Variation And Frequency Analysis of Thirippur District For Crop Planning" journal in Indian Journal of ecology- ISSN: 0304-5250.Mr. Vivek S, presented paper on "Biogas production from sugarcane by- product in co-Digestion with vegetable wastes" on "International Conference on Sustainable Technologies for Industrial Hazardous Waste Management and Bioenergy" organized by SRM Institute of Science and Technology, Chennai from 07.08.2019 to 09.08.2019. Mr. Vivek S, presented paper on "Identification of suitable artificial recharge Structures for groundwater development using remote sensing and GIS technique" on "National Level Conference on River Basin and Flood Risk Management" organized by Dr. NGP Institute of Technology, Coimbatore from 05.09.2019 to 06.09.2019.



COMPUTER SCIENCE ENGINEERING

Seminar on Digital Marketing

One day Seminar on Digital Marketing was conducted on 4th of January 2020. It was inaugurated by Dr.S.Shankar, Head of the Department. Digital marketing is the component of marketing that utilizes internet and online based digital technologies such as desktop computers, mobile phones and other digital media and platforms to promote products and services.





A party of around 158 students from second year CSE have benefited through this program. The event was organized by Mr Vignesh Kumar, CEO, Thiranz Tech Solutions, Coimbatore.

Seminar on" Professional Communication"

One day Seminar on "Professional Communication " was conducted on 25th of January 2020. It was inaugurated by Dr.S.Shankar, Head of the Department. A party of around 159 students from CSE have benefited through this program.





The event was organized by Mr Prabhu, Executive Manager, Careershapers, Coimbatore.



Seminar on Cyber Security

One day Seminar on Cyber Security was conducted on 1st of February 2020. It was inaugurated by Dr.S.Shankar, Head of the Department. Cyber security or information technology security are the techniques of protecting computers, networks, programs and data from unauthorized access or attacks the are aimed for exploitation.



A party of around 110 students from CSE have benefited through this program. The event was organized Mr Vasanth and Mr Arun Lal, Technology and Learning Associates, GTech, Chennai



Seminar-Computer Graphics and Virtual Reality

One day Seminar on Computer Graphics and Virtual Reality was conducted on the 12th of February 2020. It was inaugurated by Dr.S.Shankar, Head of the Department. A party of around 140 students from CSE have benefited through this program. The event was organized by Dr Syed Ali Fathima, Associate Professor, Kumaraguru College of Technology, Coimbatore.



Computer Graphics and Virtual Reality





Seminar on SAP and RPA

One day Seminar on SAP and RPA was conducted on 29th of February 2020. It was inaugurated by Dr.S.Shankar, Head of the Department.SAP stands for systems applications and products in data processing. SAP system consists of a number of fully integrated modules, which covers virtually every aspect of business management



A party of around 110 students from CSE have benefited through this program. The event was organized by Mr.Irfan Ahamed, Executive Director, Atominousconsulting, UAE.

International Conference on GREEN, INTELLIGENT COMPUTING AND COMMUNICATION SYSTEMS - ICGICCS'20

Two days International Conference on GREEN, INTELLIGENT COMPUTING AND COMMUNICATION SYSTEMS - ICGICCS'20 was organized on 05-06, March 2020. The chief guest for the day was **Dr. A Sivathanu Pillai** (PhD, D.Sc), DRDO Dr.DS Kothari Chair, Research & Innovation Centre, IIT Madras. **Dr.S.Annadurai**, Advisor of Hindusthan Group of Institutions presided over the inaugural programme. **Dr.S.J.K.Jagadeesh Kumar**, Vice Principal felicitated the Conference and addressed the researchers and mentioned that innovation is the differentiator and that makes a researcher distinct and **Dr. N. Rajkumar**, Professor and Head, Department of Information Technology welcomed the gathering and he mentioned about improving efficiency and productivity in all spheres of engineering.

Dr.S.Shankar, Professor and Head of Department of CSE, in his address, lauded the conference theme and mentioned the relevance of Green and Intelligent technologies in

today's context. **Dr.A.R. Jayasudha**, Professor and Head of the Department of MCA, delivered vote of thanks after the inaugural session



Dr.A SivathanuPillai(DRDO)Dr.DSKothariChair,Research & Innovation Centre, IIT Madras addressing the gathering



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Valedictory function along with the award ceremony was held on 06th March 2020 headed by **Dr.T.Kannadasan**, Principal, Hindusthan College of Engineering and Technology. He addressed the gathering and congratulated all the prize winners





Workshop on Coding Competition

One day **Workshop** on **Coding Competition** was conducted on 28th of April 2020. It was inaugurated by Dr.S.Shankar, Head of the Department.A party of around 110 students from CSE have benefited through this program.

<u>H i N E W S</u>

One day online Webinar on Office 365 was conducted on 2nd of May 2020. It was inaugurated by Dr.S.Shankar, Head of the Department.A party of around 80 students from CSE have

benefited through this program. The event was organized by Mr. Babu, CEO, LogEsys, Bangalore.

Webniar on Machine Learning

One day online Webinar on Machine Learning was conducted on 30th of April 2020. It was inaugurated by Dr.S.Shankar, Head of the Department.Machine learning is the study of computer algorithms that improve automatically through experience. It is seen as a part of artificial intelligence. A party of around 110 students from CSE have benefited through this program. The event was organized by Mr Ahmed, Chief Learning Officer, Imarticus, India.

Webinar on Full Stack Development

One day online Webinar on Full Stack Development was conducted on 17th of April 2020. It was inaugurated by Dr.S.Shankar, Head of the Department.





ELECTRONICS AND INSTRUMENTATION ENGINEERING

Events Organised

Dr. R.MadhuSudhanan, Associate Professor / EIE and Mr. D.Deivasigamani AP/EIE organised an one day seminar on "E-Waste and its Management and its Oppurtunities" on 22nd February,2020



Dr.B.Anand, Head of the Department /EIE, welcomed the gathering. The resource personMr.Prasanth Omanakuttan,Managing Partner, Green Era Recyclers, Coimbatore has delivered the lecture.

Dr.M.Karpagam, Associate Professor/EIE organised a webinar on "Industrial 2nd may,2020.A welcome address was delivered Engineering Trends" on bvDr.B.Anand. Head the Department /EIE.The resource of per-Sales,SEW sonMr.J.Vijayakumar,Executive Technical Eurodrives India Pvt.Ltd., Chennai has delivered the lecture.

Mr.E.Gowthaman AP/EIE and Mr.R.Vinoth Kumar AP/EIE organised and delivered a webinar on "Important Concepts in CLAD Exam" on 10th May,2020.Dr.B.Anand, Head of the Department /EIE, welcomed the gathering.

Mrs.N.Kavitha AP/EIE and Mrs.P.Shakthipriya AP/EIE organised a webinar on "Insights on IoT in Industrial Automation" on 19th June 2020. A welcome address was delivered by Dr.B.Anand, Head of the Department /EIE. The resource personMr.V.Manoj,IoT Technical Lead, Pinesphere Solutions Private Limited, Coimbatore has delivered the lecture.

Mrs.P.Shakthipriya AP/EIE and Mrs.N.Kavitha AP/EIE organised a webinar on "Challenges and Oppurtunities fpr Automation Engineers in Industries" on 28th June 2020.

Dr.B.Anand, Head of the Department /EIEwelcomed the gathering. The resource personMr.K.Poomalairaj, Automation Engineer, Raison Automation, Coimbatore has delivered the webinar.

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Mr.D.Deivasigamani AP/EIE and Mr.R.Vinoth Kumar AP/EIE organised a webinar on "Demystifying Data Acquisition :Access Data through Lab-VIEW,MATLAB and Simulink" on 30th June,2020. Dr.B.Anand, Head of the Department /EIE delivered the welcome address. The resource personDr.S.Meenatchisundaram,Associate Professor Senior Scale,Department of Instrumentation and Control Engineering, Manipal Institute of Technology,Manipal has delivered the lecture.

Dr.M.Karpagam,Associate Professor / EIE and Mrs.N.Kavitha AP / EIE organised a webinar on "Education after Covid 19" on 21st July 2020. Dr.B.Anand, Head of the Department /EIEwelcomed the gathering. The resource personMr.B.karthikeyan,Director,My Plus Point, Coimbatore has delivered the webinar.

Dr.M.Karpagam, Associate Professor / EIE and Mrs.P.ShakthipriyaAP / EIE organised a webinar on "Power Quality analysis using ETAP" in association with department of electrical and electronics engineering on 23rd July 2020. Dr.B.Anand, Head of the Department /EIEwelcomed the gathering. The resource personMr.L.Bala Kumar, Senior Power System and Microgrid Engineer, Power Projects, Chennai has delivered the webinar.

Dr.B.Anand, Head of the Department /EIE, Mr.R.Vinoth Kumar AP/EIE andMrs.N.Kavitha AP / EIE organised a Three days International Technical Talk on "Applications of AI in Core Engineering" from 28th July to 30th July,2020.A welcome address was delivered by Dr.B.Anand, Head of the Department /EIE.The resource persons Dr.Kanendra Naidu,Head of Electrical Section,University of Kuala Lumpur,Malaysia has delivered the talk on 28th July,2020. Dr,Mufti Mahmud,Senior Lecturer at Nottingham Trent University,UK delivered the lecture on 29th July,2020. Dr.Catarina Moreira,Science and Engineering Faculty,Queensland University of Technology,Brisbane,Australia has delivered the lecture on 30th July,2020.



Students Participation in Seminar/Webinar/Workshop/Events/ Training

1.Third Year students M.Arun Kumar, B.Chandran, M.G.Chandrasekar and D.Hariharan has participated in student development program on "Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E Vehicles at Bapatla Engineering College, Bapatla from 01.06.2020 to 05.06.2020.

2. Third Year student N.Asupathi and M.Vishnu Vardhan has successfully completed the Quiz on "Microcontroller and Embedded Systems-2020" with passing percentage of 87% organised by Indian Aviation Trade, Bangalore.

3. Third Year student M.Vishnu Vardhan and B.Chandran has participated in the student development program on "Arduino and Outline Line Follower Robot" at St.Josephs College of Engineering, Chennai on 15.06.2020

4. Third Year student B.Chandran and M.Vishnu Vardhan has participated in Online Quiz on "Preparatory Quiz for CLAD Exam 2020" at Karpagam College of Engineering, Coimbatore on 02.06.2020

5. Third Year student D.Hariharan has completed e-learning course on "CCP146 Studio 5000 Logix Designer Level 1:Control Logix Logix 5000 System Fundamentals " conducted by Rockwell Automation on 14.06.2020.

6.Second year students Divinesh T,Karthick Raja S,Matesh G,Mohamed Arshath Refai A,Naveev R,Raswanth TR,Sakthivel B and Sathya B attended a Virtua; Power Seminar on "Sky is not the Limit" conducted by Sky Campus,ICT Academy on 04.06.2020.



INFORMATION TECHNOLOGY

HINEWS

Seminar on "Recent Trends on Blockchain Technology for Healthcare: Facilitating the Transition to Patient - Driven Interoperability" sponsored by CSIR was conducted on 7th & 8th February 2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The sessions were handled by Mr.G.Lakshmanan Project Engineer Pantech Solutions, Coimbatore, Mr.A.Bharanidharan Assistant Professor (S1.Grade) SREC, Coimbatore and Dr.S.Harihara Gopalan Associate Professor SREC, Coimbatore. The seminar focused onhow blockchain technology might facilitate the Transition to Patient-Driven Interoperability through the mechanisms -digital access rules, data aggregation, data liquidity, patient identity and data immutability. More than 100 students were enlightened with the knowledge of blockchain technology.



National Level Seminar on "Machine Learning Applications to Clinical Decision Support in Neurosurgery: an Artificial Intelligence" was conducted on 17th & 18th February 2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. Thesessions were handled byDr.R.Anuradha, Associate Professor - SREC, Coimbatore, Dr. Ganesh Neelakanta Iyer Associate Professor – CSE, School of Engineering, Mr. A.Bharanidharan Assistant Professor (Sl.Grade) SREC, Coimbatore. The motive of this seminar is to explore machine Learning algorithms and the substantial improvements in Neurosurgery. The current state of neurosurgical ML applications and the performance of algorithms applied in this field were discussed. More than 80 students and 50 faculty members were benefited from this seminar.



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Seminar on "Robotic Process Automation" was conducted on 6th March 2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. Dr. Rajalakshmi, Associate Professor, Department of CSE & IT (PG), Sri Ramakrishna College of Arts and Science, Coimbatore handled the session on RPA. The main objective of this seminar is to know about one of the emerging technology - Robotics Process Automation (RPA) and its utilization of sophisticated computer software to automate manual tasks, saving time and money, increasing quality of performance, streamlining processes and freeing up human workers for more knowledge based and higher value work. Around 90 students gained knowledge on RPA.

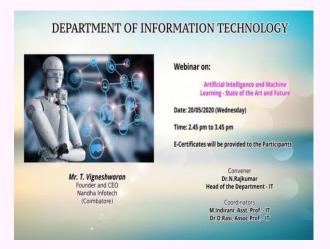


Fourth International Conference on "Green, Intelligent Computing and Communication Systems-ICGICCS'20" - AICTE Sponsored Two days Fourth International Conference of "Green, Intelligent Computing and Communication Systems" was conducted on 5th & 6th March 2020. The conference witnessed atotal of 150 research papers presented in various domains. The chief guest for the day was Dr.A.Sivathanu Pillai (PhD, D.Sc.), DRDO, Dr.DS Kothari Chair, Research & Innovation Centre, IIT Madras. In his address, he spoke about the Changing Dimensions of the War Theatre, Emerging Battlefield Scenario, Network Centric Warfare, Integration of Command Control, Communication and Computing for Effective Deployment, Space and Cyber War, Agni Programme, Akash Weapon Systems, Brahmos Supersonic cruise missile, ISRO's Manned Space Missions-Moon Mission–Chandrayaan - I.



He also spoke about relevance of Artificial Intelligence, Machine Learning, Internet of Things, Machine Learning and Robotics in Defence and in General. Valedictory function along with the award ceremony was held on 06th March 2020 headed by Dr.T.Kannadasan, Principal, Hindusthan College of Engineering and Technology. He addressed the gathering and congratulated all the prize winners.

Webinar on "Artificial Intelligence and Machine Learning-State of Art and Future" - The webinar was conducted on 20th May 2020. Itwas inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The Session was handled by Mr.T.Vigneshwaran, CEO of Nandha Infotech, Coimbatore. The main objective of this webinar is to understand the technology to create intelligent systems that can simulate human intelligence. Also discussed the applications of machine learning like Online recommender system, Google search algorithms, Facebook auto friend tagging suggestions. More than 80 students gained knowledge about AI & ML and its future scope.



Webinar on "Artificial Intelligence Chatbot: Hands on Session" was conducted on 22nd May2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The Session was handled by Mr.Sobin Sunny, Trainer & Consultant Intent India. More than 100 students participated and had a Hands on Training in developing AI Chatbot.

Webinar on "Edge Computing" was conducted on 30th May 2020. Dr.N.Rajkumar - Head of the Department of Information Technology inaugurated the webinar. The Session was handled by Dr.K.Anitha Kumari, Associate Professor, Department of Information Technology, PSG College of Technology. More than 90 students have attended and know about the concept of Edge Computing andits Applications.



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PAPER PUBLICATIONS BY FACULTY MEMBERS

S.No	Name of the Author Title of the paper		Name of the Journal, Volume No, Issue No,
			Page No, Month and Year
1	Dr Rajkumar N Professor & Head	International Journal of Neural Processing Letters (Springer)	Lung Cancer Prediction Using Stochastic Diffusion Search (SDS) Based Feature Selection and Machine Learning Methods, https://doi.org/10.1007/s11063-020- 10192-0, pp 1-14, Jan 2020.
2	Dr Rajkumar N Professor & Head	International Journal of Multimedia Tool sApplications (Springer)	Optimal Feed Forward Neural Network based automatic moving Vehicle Detection System inTraffic S pp. 18591–18610, March 2020.
3	Dr Rajkumar N, Professor & Head	International Journal of Ambient Intelligence and Humanized Computing (Springer)	Multiclass Normalized Clustering and Classification Model for Electricity Consumption Data Analysis in Machine Learning Tec hniques, https://doi.org/10.1007/s12652-020- 01960-
4	Mr Sudhakar K Assistant Professor	International Journal of (Springer) Ambient Intelligence and Humanized Computing	w, pp. 1-11, April 2020. A Hybrid swarm Intelligent Framework to support efficient Military Communication in MANET,Vol.12, pp. 5215–5223, April 2020.



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PATENTS FILED/PUBLISHED/GRANTED BY FACULTY MEMBERS

S.No	Name of the Authors	Title of Invention	Application No	Status	Date of Published/ Filed
1	Dr Rajkumar N Professor & Head	Hybrid Method for Detecting the Chronological Age of Humans	202041005008	Filed	05/02/202 0







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Mr.K.Praveenkumar and Team won in Gold in Hockey



Ms.S.Sindhuja has won First Prize in Basketball





Mr.A.Sanjayraj and Team won third prize in Cricket

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MECHATRONICS ENGINEERING



Department of Mechatronics Engineering conducted its 6th National Level Technical Symposium "Min-enthra2k20" on 8th February 2020.

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ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

The orientation programme for first year students was conducted on August 5th ,with the strength of more than thousand students. The occasion was graced by the presence of our secretary Tmt. Saraswathi kannaiyan and joint secretary Mrs.Priya Sathish. The programme was started blissfully with lightening of lamp. When our Secretary was addressing the gathering ,she assured the parents that she would look after their wards as her own children. The principal introduced the Head of various Departments to first year students and he briefed the facilities available in the campus and appealed to the students to make use of them appropriately. The Advisor Dr.S.Annadurai welcomed all first year students and advised them to follow the rules and regulations of this college ,and instructed them to understand their values and responsibilities. The Dean Academics Dr.P.N.Magudeeswaran delivered vote of thanks.





ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS



GUEST LECTURE ON "ENERGY SRORAGE MATERIALS" CONDUCTED BY SCIENCE CLUB

HINEWS

The Department of Science and Humanities conducted A SPECIAL GUEST LECTURE ON "ENERGY SRORAGE MATERIALS" on

24/01/2020. The chief guest of the programme was Dr.N.VIJAYAN who was excellently handled the session. He rendered his expertise to the betterment of student community. The programme was highly motivating and impressive to students and to their studies. This programme motives the students to do research on science activities. The programme was inaugurated by our eminent Advisor Dr. S.Annadurai. All the faculty members, Hods and students of various departments were invited to attend the programme. The Head of the Department of Science and Humanities welcomed all the gathering and delivered a speech on importance science and she thanked the students for their performance and participation in the event. Dr. S. Balamurali Dept. of Physics coordinator of the programme delivered vote of thanks. The programme is being celebrated with great enthusiasm and passion by the students. The programme was successful with the hardwork of students' volunteers, team members as well as students and faculty community. It was a real platform for the students to make their career bright in the scientific profession.









GUEST LECTURE ON ETHICAL HACKING CONDUCTED BY SCIENCE CLUB

The Department of Science and Humanities conducted A SPECIAL GUEST LECTURE ON 'EHICAL HACKING" on 07/02/2020.The chief

guest of the programme was Mr.N.GOWTHAM Prof at VIT who was excellently handled the session. He rendered his expertise to the betterment of student community. This programme made the students to understand the disadvantages of media and right usage of it. This made to know hacking in social media and made us to be protective and awared. The programme was inaugurated by our eminent Advisor Dr. S.Annadurai. All the faculty members, Hods and students of various departments were invited to attend the programme. The Head of the Department of Science and Humanities welcomed all the gathering and delivered a speech on importance science and she thanked the students for their performance and participation in the event. Dr. S. Balamurali Dept. of Physics coordinator of the programme delivered vote of thanks. The programme is being celebrated with great enthusiasm and passion by the students. The programme was successful with the hardwork of students' volunteers, team members as well as students and faculty community. It was a real platform for the students to make their career bright in the scientific profession.





WOMEN'S DAY CELEBRATION

HINEWS

As a part of this management and faculties from various departments shared their views and wishes to all the women faculty and girl students of the college. A women is a symbol of love God's finest and beautiful creation this is what we celebrate womens day each and every year. In order to motivate and create awareness among all girl students we celebrate this day on March 8 th every year. The programme began with an invocation- seeking god's blessings through a prayer song. The Head of Department of Science and Humanities welcomed all the girl students and faculty members from varioudepartments. Our Principal Dr. K. Kannadasan felicitated all the female community on the day and he highlighted the importance of women. our advisor felicitated all the girl students and lady faculty Dr. S. Annadurai, members on this special occasion. Vote of Thanks was delivered by Prof Narmadha dept. of Mathematics.





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2019 - 2020 EVEN SEMESTER NEWSLETTER

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VARIOUS EVENTS LIKE SLOGAN CONTEST ETC., CONDUCTEDBY SCIENCE AND HUMANITIES DEPARTMENT





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MINUTES OF WOMEN REDRESSAL CELL

Women Redressal Cell meeting was held on 05.08.2018 for the Academic year 2018-19. This committee is compressing of three faculty members of S&H Department. The Head of the department of Science and Humanities inaugurated the meeting .Ms.Nirmala, dept of MCA who is the warden of Girls Hostel, was invited to this meeting to address the first year students. The Girl Students got awareness of this women redressal cell, which is active in our campus. The members of this cell gave many informations to girl students reg

,safety,harassment ,decipline etc. The girl students are educated in all aspects as they are freshers to our campus. Their dress code is strictly followed by all lady faculty in the campus and even in Hostel. Many issues heve been discussed in this meeting. The girl students are advised to be punctual & amp; alert in every situations . They are advised not to indulge themselves in any kind of Malpractices. The girl students are asked to maintain discipline even in Hostel & amp; to avoid bunking classes. Incase of emergency they are allowed to avail leave with the permission of their class Advisor. They are strictly warned to loiter with boys inside the campus. If the girl students are having any personal issues, they can meet the cell members at any time.









Basketball Women Team



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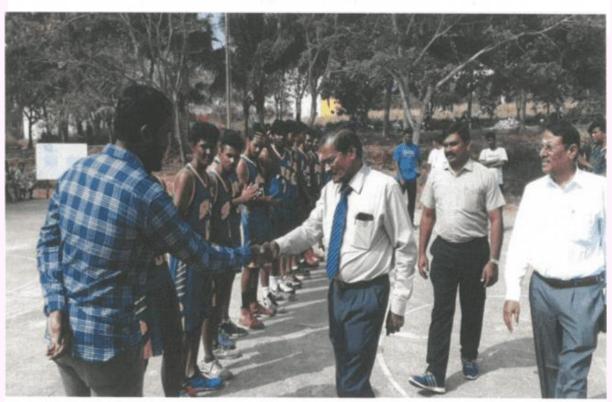
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Volleyball Men team



Basketball Men Team

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Vol.19,No. 2

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My job is not to be easy on people. My job is to take these great people we have and to push them and make them even better.

- Steve Jobs

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