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WORLD TELECOMMUNICATION DAY



KKR & KSR Institute of Technology & Sciences

(Approved by AICTE New Delhi, Affiliated to JNTU Kakinada, Accredited by NAAC with "A" Grade)



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VISION, MISSION & PEO'S

Vision

Developing highly Qualitative, Technically Competent and Socially Responsible Engineers.

Mission

To provide quality education in the domain of Electronics and Communication Engineering through

- Enriched curriculum for addressing the needs of Industry.
- Effective teaching learning processes through congenial environment.
- Gaining contemporary knowledge through research, development, curricular, co and extra-curricular.

ECE Program Educational Objectives

Graduates of Electronics & Communication Engineering Shall

PEO1: Develop a strong background in basic science and mathematics and ability to use these tools in their chosen fields of specialization.

PEO2: Have the ability to demonstrate technical competence in the fields of electronics and communication engineering and develop solutions to the problems.

PEO3: Attain professional competence through life-long learning such as advanced degrees, professional registration, and other professional activities.

PEO4: Function effectively in a multi-disciplinary environment and individually, within a global, societal, and environmental context.

PEO5: Take individual responsibility and to work as a part of a team towards the fulfillment of both individual and organizational goals.

The institute is a symbol of egalitarian outlook without discretions. KITS student activity council is organized exclusively by students with representatives from various disciplines stands for the advocacy of democracy and leadership opportunities provided by the institute. KITS student clubs enable all the students and staff mingle freely to express their views and share their talents and expertise. **KITS imparts Outcome Based Education (OBE)** which gives equal opportunities to teaching and learning curricular, co-curricular and extra-curricular activities.

KITS ACHIEVERS MEET - 2018

EARNEST EFFORTS BRING SUCCESS
WE PROVED IT YET AGAIN

“Our Journey of Producing Best Placements Continues”

Our College celebrated “*Achievers Meet-2018*” on 26th May 2018. It was conducted for congratulating the students who got placement in various Companies. This meet was organized in good atmosphere. All the achievers attended the meeting along with their parents. Some of the parents express their thanks to management and the faculty for their support in getting a placement.

The meet started at 7.00 PM with a welcome dance by a student. Then special av of college achievements was played. Then it was followed by delivering a few messages by the Training and placement Officer, HOD’s, in charge Principal, Secretary Sir and Chairman Sir. After that the all the dignitaries felicitate the TPO **Mr. Ch.ChandraShekar Reddy** with shalv and memento.

After the speeches of students and parents, a Token of achievement and appreciation (a memento) was given to the students by the management members. Finally meet was concluded with vote of thanks by Mr. Ch. Chandra Shekar Reddy.





NATIONAL TECHNOLOGY DAY

#SCIENCE AND TECHNOLOGY FOR A SUSTAINABLE FUTURE-2018 THEME



Every year, 'National Technology Day' is celebrated across India on May 11; being commemorated to memorize the anniversary of Shakti, the Pokhran nuclear test held on 11 May 1998. The day glorifies the importance of science in day to day life and motivates students to adopt science as the career option.

About "Shakti, the Pokhran Nuclear Test"

The first nuclear test Pokhran with a code named as 'Smiling Buddha' was carried out in May, 1974. The second test conducted was Pokhran II which was a series of five tests of nuclear bomb explosions, administered by India at the Pokhran Test Range of Indian Army in May, 1998. Pokhran II comprised of five detonations out of which the first one was a fusion bomb while the other four were fission bombs. These nuclear tests evolved various sanctions against India by many major states, including United States and Japan.

HISTORY OF NATIONAL TECHNOLOGY DAY

National Technology Day is observed to memorialize the nuclear test which was held in Pokhran on 11th of May, 1998. This was a matter of pride for all the citizens of India. The day also praises the significance of Science in our day to day lives. It was on the 11th as well as the 13th of May in 1998 when India conducted five nuclear tests at Pokhran, Rajasthan. The initial five tests were conducted on 11th May when three nuclear bombs were exploded while recording an earthquake of 5.3 Richter scale in the nearby seismic stations. Remaining of the two tests were carried out on 13th May, since then National Technology Day is celebrated in India.

Student Article :

DOUBLE INSULATION



Equipment such as hand-held domestic electric drilling machines has the additional safety precaution of double insulation. The aluminum housing is intertwined with an injection molded inner nylon core to combine the durability of an all metal body tool with the double insulation advantages of a tool with plastic housing. Double insulation is insulation that consists of both basic insulation and supplementary insulation.

There are some appliances which do NOT have an earth wire. They have another way to protect the user: double insulation. Double insulation protects the user of the appliance from an electrical shock by preventing any possibility of the external casing becoming live (the live wire can not touch the casing even if wires inside become loose), thus eliminating the need for an earth connection. The two layers of insulation are:

- **First insulation:** Insulating electrical cable from the internal component of the appliance.
- **Second insulation:** Insulating internal metal part which could become live from the external casing.

Advantages of double insulation?

When it comes to thermal insulation: Less heat transfer, so you do not have to expend as much energy to cool or heat the interior of a double insulated structure. When it comes to electrical insulation: If one insulator fails the next one might not and the conductor will not short out.

Why does double glazing provide better insulation than single glazing?

Double-glazing can reduce heat loss through windows by up to 50%. 20mm is the optimum space between the 2 panes of glass; less than this leads to increased heat loss; more than this makes little difference to the level of thermal insulation but does give improved sound insulation.

By/- Ms.B.SaiAnjani , III ECE

Faculty Article :

SOME SUPERCONDUCTORS CAN ALSO CARRY CURRENTS OF 'SPIN'

Researchers have shown that certain superconductors -- materials that carry electrical current with zero resistance at very low temperatures -- can also carry currents of 'spin'. The successful combination of superconductivity and spin could lead to a revolution in high-performance computing, by dramatically reducing energy consumption.

Spin is a particle's intrinsic angular momentum, and is normally carried in non-superconducting, non-magnetic materials by individual electrons. Spin can be 'up' or 'down', and for any given material, there is a maximum length that spin can be carried. In a conventional superconductor electrons with opposite spins are paired together so that a flow of electrons carries zero spin.

A few years ago, researchers from the University of Cambridge showed that it was possible to create electron pairs in which the spins are aligned: up-up or down-down. The spin current can be carried by up-up and down-down pairs moving in opposite directions with a net charge current of zero. The ability to create such a pure spin supercurrent is an important step towards the team's vision of creating a superconducting computing technology which could use massively less energy than the present silicon-based electronics. Although some aspects of normal state spin electronics, or spintronics, are more efficient than standard semiconductor electronics, the large-scale application has been prevented because the large charge currents required to generate spin currents waste too much energy," said Professor Mark Blamire of Cambridge's Department of Materials Science and Metallurgy, who led the research. "A fully-superconducting method of generating and controlling spin currents offers a way to improve on this.

In the current work, Blamire and his collaborators used a multi-layered stack of metal films in which each layer was only a few nanometres thick. They observed that when a microwave field was applied to the films, it caused the central magnetic layer to emit a spin current into the superconductor next to it. "If we used only a superconductor, the spin current is blocked once the system is cooled below the temperature when it becomes a superconductor," said Blamire. "The surprising result was that when we added a platinum layer to the superconductor, the spin current in the superconducting state was greater than in the normal state."

By /-T.Revathi, Asst. Prof

FACULTY ACHIEVEMENTS

The faculty of kits family are more enthusiastic in nature. The following faculty members shown their interest in various activities such as paper publishing, book publishing..... Their work in the research has a long term impact on not just the lives of the students they teach, but on society as a whole.



Prof. K.MadhuSudhana Rao, ECE dept published a paper on “ **Design And implimentation of Planar antenna techniques for commertila wireless applications**” in IJRDS, in Elsevier Publications.



Mr. Maduguri Sudhir Published a paper on “ **A MAT LAB based face recognition system using Eigenface**” in Vol. 03, Issue 04 (APRIL 2018) of Anveshana’s International Journal of reaserch in Engineering and Applied Sciences (ISSN 2455-6300 Online).

With his ineterst he send a paper on “ **Tri-Level MSG algorithm for detection of Brain Tumor**” to Journal of Multi Diciplinary Engineering , Which was accepted and ready for publication.



Mr. K.Raju Published a paper on “ **FACE RECOGNITION USING LOCAL BINARY PATTERN AND HISTOGRAM OF ORIENTED GRADIENTS**” in Vol. 03, Issue 04 (APRIL 2018) of Anveshana’s International Journal of reaserch in Engineering and Applied Sciences (ISSN 2455-6300 Online).

With His interest he published another paper on “**Real time Implementation of Face Recognition System on Raspberry Pi**” in Vol. 07 of International Journal of Engineering & Technology.



Mr. Eluri Venkata Narayana Published a paper on “ **A MAT LAB based face recognition system using Eigenface**” in Vol. 03, Issue 04 (APRIL 2018) of Anveshana’s International Journal of reaserch in Engineering and Applied Sciences .

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LEAP

LOOK FOR EMPLOYEES IN ANDHRA PRADESH



The poster features portraits of Sri N. Chandrababu Naidu and Sri N. Lokesh, the Hon'ble Chief Minister and Hon'ble Minister for I.T.E. & Govt. of Andhra Pradesh respectively. It includes the APITA logo and the text 'LOOK FOR EMPLOYEES IN ANDHRA PRADESH'. A map of Andhra Pradesh is shown with 13 districts highlighted in different colors, each with its name and coordinates. The text 'RECRUITMENT DRIVES' is prominently displayed, followed by '5000 Jobs in 100+ Companies across 13 Districts'. The dates '15th to 29th May, 2018' and 'SUPPORTED BY 2000+ VOLUNTEERS & 15 COLLEGES' are also present.

Sri N. Chandrababu Naidu
Hon'ble Chief Minister
Govt. of Andhra Pradesh

Sri N. Lokesh
Hon'ble Minister for I.T.E. &
Govt. of Andhra Pradesh

APITA
Andhra Pradesh
Information Technology Academy

LOOK FOR EMPLOYEES IN ANDHRA PRADESH

RECRUITMENT DRIVES

5000 Jobs in 100+
Companies across
13 Districts

15th to 29th May, 2018

SUPPORTED BY 2000+ VOLUNTEERS &
15 COLLEGES

Districts and Coordinates:
Vizianagaram 25° & 26° Srikakulam 21° & 22°
Tirumaluru 25° & 24°
East Godavari 20° & 20°
West Godavari 21° & 22°
Krishna 18° & 19°
Guntur 17° & 18°
Prakasam 28° & 29°
Anantapur 18° & 19°
Kadapa 15° & 20°
Nellore 15° & 16°
Chittoor 21° & 24°



On 15th and 16th May 2018, KKR & KSR Institute of Technology and Sciences hosted the “LEAP (Look for Employees in Andhra Pradesh)” recruitment drive which provides lot of job opportunities.

It was organized by the APITA (Andhra Pradesh Information Technology Academy). APITA is registered on 01-06-2016 at Vijayawada, Andhra Pradesh. Student training activities will be done in the name of “Amaravati Knowledge Center”. Over 1000+ people participated in the LEAP drive. APITA will provide opportunity to the trained students to participate in placement drives across organizations. APITA provides access to the industry to the pool of trained graduates for internships and placements.

The Main Objectives of APITA are

- Support capacity building initiatives of Information Technology, Electronics and Communications Department of Government of Andhra Pradesh.
- Develop and offer courses in IT, Electronics and Communications in collaboration with Industry and Academia.
- Bridge the urban rural divide in producing readily employable graduates.
- Provide conducive environment for learning through value addition programs.
- Promote a culture of Research and Development in IT, Electronics and Communications.
- Facilitate e-governance through oriented programs for state government employees.
- Offer consultancy support in Capacity Building Programs.

FACULTY RECRUITMENT

As per the advertisement given in the newspaper The KITS college conducted walk-in interviews for the faculty recruitment for the Department of Electronics and communication Engineering on **13th May 2018**. There are 60 people were appeared for the walk-in interview. Out of 60 members 23 members directly appeared for technical interview. Remaining 37 participants appeared for the written test. After the Written test 7 candidates shortlisted for the Technical interview. At the end of the technical interview 10 members were shortlisted for the demo. Finally 4 candidates were selected based on their performance in the interview and demo.



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Ms. LEELA RANI
Experience: Fresher
M.Tech :
Communication
Engineering and
signal Processing

ABOUT KITS EDUCATION:



Learning is certainly a powerful weapon and a continuous process. The learning source could be varied however: the impact remains the same changing the world. Its just about honest passion & dedication involved in one self. Every child aspires to conquer the

horizon of success but aspiration united with sincere efforts would only result in making the aspiration into reality. This is possible only if the education the person obtains from his academics and sorroundings make somw consciousness to him or her then ultimately they are able to bring out justification through their learning. KITS is place where we believe in this truth and inspire students not just to learn but involve them to elevate their inherent spirit into acsdemic prosperity





STUDENT PLACEMENTS

500+ Placements in College

110+ Placements in ECE

TOP COMPANIES FOR CAMPUS PLACEMENTS 2017-18

| | | | | | | | | |
|-----------------|---------------|-------------|-----------------------|--------------------|-------------------------|--------------|-------------|---------------------|
| INFOSYS | VIRTUSA | BROADCOM | MAQ SOFTWARE | LG | TECHASPECT | TECHNOVERT | DBS BANK | ofs |
| SMART DV | EPTRONICS | SUNERA TECH | GSK TECH | TOLL PLUS | MROADS | AD3i | FULL | JASMIN INFOTECH |
| CINP GLOBAL | MEDHA | DIXON | GLENWOOD | BHEA | TRADELEAVES | VASUDIKA | VIT | C3i SOLUTIONS |
| ACCEL FRONTLINE | FACE | VEDA IIT | INNOVATION | MULTIPLIER | MIRACLE | TUREL | PIVOX | SNAVAYS |
| LEAP | PARAGON | INDSTACK | SAVANITIS | NOMUS COMM SYSTEMS | WINDCARE | INTELLICRATS | VECTORWORKS | RODI PROJECTS |
| GEOJIT | BENZ | PILOG | WASSHTA CONSTRUCTIONS | ONEGENE | EAST INDIA TECHNOLOGIES | TEMO | GEO ADITYA | NEWTECH |
| AS | TECH TIMINDRA | RAMTECH | HGS | JK FENNER | GJS INFRA | GL SOLUTIONS | CORPONE | KARVY STOCK BROKING |