

SKCT

DIGEST



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EDITOR - IN - CHIEF
Dr A BALAMURUGAN
PROFESSOR & HEAD, CSE

CO-EDITORS
Dr P Manju, ICE,
Dr T Rajesh Kumar, IT
Mr N Karthikeyan, SoM
Ms R Kalpanasonika, CSE



ACCOLADE

- We are happy to inform that we have received Rs. 9,20,000 as 1st installment of total grant-in-aid of Rs. 11,50,000 from AICTE under MODROB scheme on "Modernization of communication laboratory" in Department of ECE for Ambient Energy Scavenging using Rectenna. Co-ordinator of this project is Dr. R. Udaiyakumar, HoD/ECE, SKCT.
- We have also received Rs. 10,80,000/-as 1st installment of total grant-in-aid of Rs. 13,50,000 from AICTE under MODROB scheme on "Modernization of Structural Engineering laboratory for Seismic Analysis ", Department of CIVIL Engineering. Principal investigator of this project is Dr. V. Sreevidya, Associate Professor , Civil/ SKCT.
- We have also received 3,76,000 from AICTE AQIS scheme for the conduct of Faculty Development Program for MBA department. The coordinators are Dr.M.Padmavathi and Mrs.Y.Arul Sulochana.
- As a whole, we have received Rs. 23,76,000 as 1st installment and a total grant-in-aid of 28,76,000 from AICTE.

KNOWLEDGE UPDATE

Computer Science & Engineering -
Ms.E.Dhivyaprabha AP/ CSE-SKCT explained
OBE based course information format for the
CSE Department faculty Members



**Instrumentation & Control Engineering- Ms K
Shanthy and Mr S Dilip Kumar shared the
knowledge gained during Matlab Expo 2019
held at Radisson Blu, Bangalore**



Instrumentation & Control Engineering-
Faculty members of ICE attended a Webinar
on Calibration and inspection in hazardous
area. Mr Ned Espy Technical Director,
Beamex, Mr Roy Tomalino Calibration
Engineer, Beamex, Mr Cameron Kamrani
Commissioning Engineer, Beamex



**Mechanical department- Dr. P. Prathap HoD/ Mech attending workshop today
at VIT on “Quality enhancement in assessment and evaluation methodology of
learning in higher education institution “**

Mechanical department- Mr.K.Nirmal Kumar, Assistant professor conducted a
seminar about “Attainment Calculation“for faculty members of Mechanical
Engineering at CAD lab on 29.4.19

MEETINGS & DISCUSSIONS



CSE- R&D, Budget consolidation and OBE based course information was discussed among the faculty members



EEE- Head of the Department convened a meeting with the stock verification committee members.



Placement- Placement Officer convened a Meeting with Placement coordinators and Trainers to discuss about the placement progress and upcoming Training schedules.



IT - Ms. S. Muthulakshmi AP/IT-SKCT had a discussion about project implementation with The Team Atom of Smart India Hackathon 2019.



CSE - Wipro PRP assessment 2 - Faculty meeting was held at PG Lab, CSE Department.



RESEARCH

Science & Humanities - Ms. P. Sheeba Ranjini, AP, S&H Department, Published a paper in an UGC and ISSN approved International Journal- Journal of Emerging Technologies and Innovative Research (JETIR), April 2019 on the title Design of Tree Based Multiplier (TBM) for high speed application.



PLACEMENT

Aptitude Training - EEE Department- The students attended training in ES seminar Hall.

INTERESTING ENGINEERING

2

New Breed of Betavoltaics

In another project, Yee's group is using nuclear waste to produce electricity — minus the reactor and sans moving parts.

Funded by the Defense Advanced Research Projects Agency (DARPA) and working in collaboration with Stanford University, the researchers have developed a technology that is similar to photovoltaic devices with one big exception: Instead of using photons from the sun, it uses high-energy electrons emitted from nuclear byproducts.



Betavoltaic technology has been around since the 1950s, but researchers have focused on tritium or nickel-63 as beta emitters. "Our idea was to revisit the technology from a radiation transport perspective and use strontium-90, a prevalent isotope in nuclear waste," Yee said.

Strontium-90 is unique because it emits two high-energy electrons during its decay process. What's more, strontium-90's energy spectrum aligns well with design architecture already used in crystalline silicon solar cells, so it could yield highly efficient conversion devices.

In lab-scale tests with electron beam sources, the researchers have been achieving power conversion efficiencies of between 4 and 18 percent. With continued improvements, Yee believes the betavoltaic devices could ultimately generate about one watt of power continuously for 30 years — which would be 40,000 times more energy dense than current lithium ion batteries. Initial applications include military equipment that requires low-power energy for long periods of time or powering devices in remote locations where changing batteries is problematic.

PROJECT VIVA



Project Viva Voce for M.E. Structural Engineering Second Year & M.E Power systems was conducted



ALUMNI CORNER

EEE Dept - I thank the institute and the faculty for all the efforts put in by them. The perseverance and right moves have paid off finally. All my batch mates are doing well in their respective jobs which reflect the quality of the students the institute has produced

Ms. Arthini, IP Advisory, SAP, Bangalore



ALL IS WELL...

8 Amazing Uses Of BANANA PEELS

1. Teeth whitener
2. Wart remover
3. Effective pimple remedy
4. Anti-aging agent
5. Natural painkiller
6. Insect-bite soother
7. Shoe/silver polisher
8. Alternative treatment option for psoriasis



ACCOMPLISHMENTS

Mechanical department- We are glad to inform you that Mr. T.K.Naveen Assistant professor/Mech selected under the Summer Faculty Research Fellow Programme - 2019 Faculty Mentor is Prof./Dr. S K Tyagi, Department/Center/School of CES, IIT Delhi. The Summer Faculty Research Fellow Programme -2019 is for two months (approx.). It is expected that the Faculty Fellow spend minimum of six weeks at IIT Delhi during May 13, 2019 to July 14, 2019.

DID U KNOW???

MYTH



We only use 10% of our brain.

VIA 9GAG.COM

FACT



Most of the brain cortex works at full capacity even when we are asleep.

MYTH



Brain cells stop growing when you reach adulthood.

FACT



Neurons flourish and change throughout your entire life.



MYTH



Your sight deteriorates if you read in the dark or on a monitor.

FACT



Your eyes get tired quickly this way, but recover after rest.

BOOK REVIEW

Growing Influence: A Story of How to Lead with Character, Expertise, and Impact

by Ron Price and Stacy Ennis

Greenleaf Book Group Press

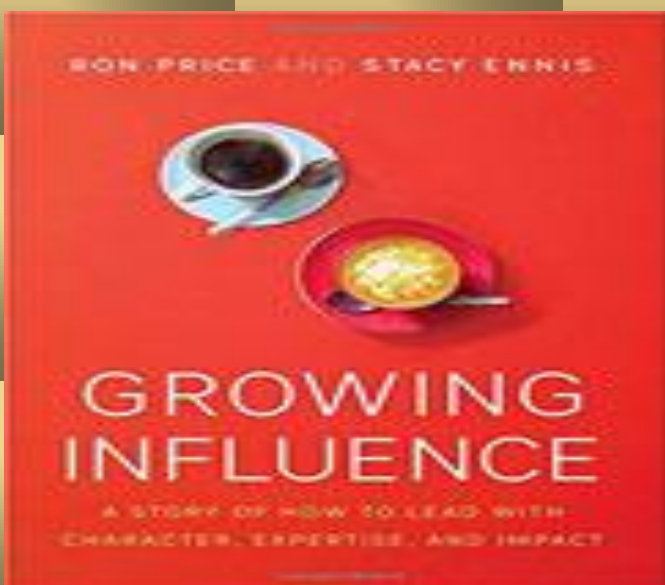
book review by Kat Kennedy

"Are you happy where you're at? Do you feel like you're fulfilling what you're meant to in life?' ... it was a question she knew she needed to answer..."

This leadership book isn't your common offering about building a great team, establishing good relationships, and building trust to bring out their best (not that you won't learn valuable information about those things). But as strong leaders know, delivery is everything, and this small offering delivers valuable insights and knowledge in a big way.

Using storytelling as their means, the authors develop a scenario around a chance encounter between frazzled and under-appreciated Emily and former CEO David to present a comprehensive and effective plan for becoming an effective and engaged leader. Through coffee shop talks between the two, Emily learns how to concentrate her efforts on becoming an influential and valuable team member—the springboard of good leadership. Each encounter between the two builds upon their narrative story, revealing more elements of great leadership based on self-governance and integrity, traits easily recognizable in the best of leaders. As Emily's knowledge grows throughout the narrative, so does the reader's. Within the few hours it takes to read this innovative book, there is a revolution—an "aha" moment of clarity in which one sees the brilliance of its simple principles and begins the journey of becoming an agent of change.

This book and its presentation style on leadership are as fresh as the advice it so compellingly presents. Using the narrative form, the character Emily as the vessel in which questions are presented, and David's character with his business and philosophical insights to provide answers is a brilliant strategy. Not only are the fundamental materials presented in an absorbing way, they are also easy comprehended and relatable. This important and timely book should be read and reread, not only by that in business but by those who deal with people in daily life.



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