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INSTITUTE OF TECHNOLOGY

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Department of

Information Science & Engineering

SCIENTIA HUB
JUNE 2021

AN EPITOME OF KNOWLEDGE

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G PRINCIPAL,VEMANA IT

It gives us an immense pleasure to introduce this Newsletter of Information science Engineering Named “SCIENTIA” it is the Latin word for knowledge. By presenting this Newsletter we wish to provide you the same. The Department of Information Science & Engineeringi s composed of an Undergraduate program in Information Science & Engineering with an intake of 120.Our placement and result records are very impressive. The high quality research work being pursued by the faculty and students is very evident from the large number of research papers being published in referred journals. I thank all the students and faculties for their contribution.

RAJANNA M
HOD OF ISE

ABOUT THE DEPARTMENT

THE DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING (ISE) IS A CENTER OF EXCELLENCE PROVIDING IN-DEPTH TECHNICAL KNOWLEDGE AND IMPARTING GRASSROOTS THINKING IN THE FIELD OF INFORMATION TECHNOLOGY. THE DEPARTMENT CONSTANTLY THRIVES TO NOURISH THE TRUE SPIRIT & WISDOM OF INFORMATION TECHNOLOGY, INTO THE YOUNG ASPIRANTS. THE DEPARTMENT WITH ITS COHESIVE TEAM OF FACULTY MEMBERS, OFFERS A SOUND PROGRAM AT THE UG AND AIMS TO OUTPUT ENGINEERS OF INNOVATIVE TECHNOLOGY.

GUEST LECTURE DETAILS

DR. GUNJAN THAKUR, FREE LANCER
APPLICABILITY AND SIGNIFICANCE OF EMBEDDED SYSTEMS AND ARM PROCESSOR IN THE REAL WORLD
7/06/2021

MR. ADITHYA NAGARAJ H R
PRACTICALITIES OF NETWORK ADDRESSING
12/06/2021

MR. RAMAMOORTHY S, SENIOR PROJECT MANAGER,
TOSHIBA SOFTWARE INDIA PRIVATE LTD
IOT: OVERVIEW AND RECENT TRENDS
03/07/2021

MS. RAJESHWARI K & MS. PREETHA, ASSISTANT PROFESSOR, BMS COLLEGE OF ENGINEERING
LEARN C++: A WALK-THROUGH LINUX
24/06/2021

MR. MURALI SUNDARAM, TECHNOLOGY CONSULTANT NPEDIA TECHNOLOGIES
EMERGING TECHNOLOGIES INSPIRING STARTUPS DISRUPTIONS & INNOVATIONS 18/06/2021

FACULTY PAPER PUBLICATIONS

MRS. GAURI S RAPATE, HAS WON GOLD MEDAL IN FDP CONDUCTED BY NPTEL, SWAYAM COURSE, “PROGRAMMING IN JAVA”, JAN-2021

ANU JOSE, S. NANDAGOPALAN, “ARTIFICIAL INTELLIGENCE TECHNIQUES FOR AGRICULTURE REVOLUTION: A SURVEY”, MALAYSIAN JOURNAL OF COMPUTER SCIENCE, FEB 2021, ISSN 0127-9084 (COMMUNICATED.)

MR. SHUBHAM KUMAR, MR. SUJIT KUMAR TIWARI, MS. SHREENIDHI N HEGDE, MS. VARSHA AND DR. S NANDAGOPALAN FOR A PROJECT; “STANDARDIZED DIGITAL RAW MILK QUALITY ANALYZER” (RS.4500), KSCST, BENGALURU.

A MOU WAS SIGNED BETWEEN DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING, VEMANA INSTITUTE OF TECHNOLOGY AND KSNALABS FOR INTERNSHIP PROGRAM OF DEPARTMENT OF ISE, VEMANA IT STUDENTS.

PLACEMENT DETAIL

1VI17IS005 ANUSHA B COGNIZANT	1VI17IS023 GEENA M IBM	1VI17IS025 GOUTHAM YADAV R COGNIZANT	1VI17IS028 HARSHITH S COGNIZANT
1VI17IS035 JITENDRANATH BEHERA COGNIZANT	1VI17IS061 NIRANJAN K R INFOSYS	1VI17IS073 R RAHUL COGNIZANT	
1VI17IS074 RAHUL R TATA CONSULTANCY SERVICES	1VI17IS081 SANJANA S CAPGEMINI	1VI17IS082 SARAH ERUM KHAN COGNIZANT	1VI17IS116 YATISH K ACCENTURE
1VI17IS087 SHREENIDHI N HEGDE IMPELSYS	1VI17IS101 SURABHI H COGNIZANT	1VI17IS107 UPENDRA T INFOSYS	1VI17IS112 VIDYA J INFOSYS

TECHNICAL ARTICLES

Pixel Animation rgbw Tube

THESE ARE A RANGE OF WEATHERPROOF LED TUBES THAT GIVE YOU INDEPENDENT CONTROL OF UP TO 32 PIXELS WITHIN ONE TUBE. THIS ALLOWS YOU TO CREATE INTERESTING LIGHTING EFFECTS.

THE PERAGOS RGB PIXEL TUBES ARE THE 60C AND 120C. THEY ARE 2′ (62CM) AND 4′ (120CM) RESPECTIVELY.

THE PERAGOS TUBE 60C HAS 30W OF POWER AND THE PERAGOS TUBE 120C HAS 60W. A CONTINUOUS BOOST MODE ENABLES YOU TO INCREASE THE BRIGHTNESS TO 40W AND 80W WITHOUT ANY LIMITATIONS.

IN WHITE-LIGHT MODE THE PERAGOS TUBE HAS A KELVIN COLOR TEMPERATURE RANGE OF 2800K TO 13000K. ACCORDING TO VIBESTA, THE TUBES HAVE A CLAIMED TLCI OF 93+-1 AND A CRI OF 96+-2 THROUGHOUT THE FULL ADJUSTMENT RANGE.

Soleman Solar charging Backpack

SOLEMAN GIVES YOU 17,000 MAH POWERBANK THAT GETS IT CHARGING FROM THE SOLAR PANELS. WITH THIS BACKPACK YOU WILL NEVER RUN OUT OF JUICE. WITH CUSTOM DESIGNED PCB-A USING SOLAR PANELS HAS NEVER BEEN THIS SAFE. SOLEMAN IS PROTECTED FROM SHORT CIRCUITS. WITH SOLEMAN YOU ARE SAFE AND ALWAYS CHARGED.”

THE ERGONOMIC SOLAR CHARGING BACKPACK INCLUDE SPECIAL BACK SUPPORT TECHNOLOGY TO ENABLE A BACKPACK TO FEEL LIGHTER THAN IT ACTUALLY IS. SOLEMAN IS ALSO EQUIPPED WITH THE “MOST ADVANCED SECURITY SYSTEM” THAT YOU CAN FIND FOR A BACKPACK, SAY ITS CREATORS.

VISION OF THE INSTITUTE

TO BECOME A LEADING INSTITUTE FOR QUALITY TECHNICAL EDUCATION AND RESEARCH WITH ETHICAL VALUES.

MISSION OF THE INSTITUTE

M1: TO CONTINUALLY IMPROVE QUALITY EDUCATION SYSTEM THAT PRODUCES THINKING ENGINEERS HAVING GOOD TECHNICAL CAPABILITIES WITH HUMAN VALUES.
M2: TO NURTURE A GOOD ECO-SYSTEM THAT ENCOURAGES FACULTY AND STUDENTS TO ENGAGE IN MEANINGFUL RESEARCH AND DEVELOPMENT.
M3: TO STRENGTHEN INDUSTRY INSTITUTE INTERFACE FOR PROMOTING TEAMWORK, INTERNSHIP AND ENTREPRENEURSHIP.
M4: TO ENHANCE EDUCATIONAL OPPORTUNITIES TO THE RURAL AND WEAKER SECTIONS OF THE SOCIETY TO EQUIP WITH PRACTICAL SKILLS TO FACE THE CHALLENGES OF LIFE.

VISION OF THE DEPARTMENT

TO PRODUCE GRADUATES WITH STRONG FUNDAMENTALS IN INFORMATION TECHNOLOGY TO FACE CHALLENGES OF GLOBAL IT NEEDS WITH ETHICAL VALUES.

MISSION OF THE DEPARTMENT

M1: TO IMPART THEORETICAL FOUNDATION AND PROGRAMING SKILLS FOR THE DESIGN AND DEVELOPMENT OF SOFTWARE SYSTEMS.
M2: TO PRODUCE INFORMATION TECHNOLOGISTS TO EXCEL IN PROFESSIONAL CAREER, LEADERSHIP, AND ENTREPRENEURSHIP.
M3: TO INCULCATE MULTI-DISCIPLINARY RESEARCH AMBIENCE AMONG THEM TO TRANSFORM THEIR KNOWLEDGE USEFUL TO THE SOCIETY