MAR 2021, VOL. 3: ISSUE 1

KiTE Explorer

A WEEKLY E-MAGAZINE

Highlights :

1. Sports Quota Selection Trials for School Children
2. Late Founder Birth Anniversary
3. Smt Divyalakshmi Scholarship
4. <D/cipher>

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KGiSL Institute of Technology

Index

S.No	Description	Page. No
1	Commemoration and Birth Anniversary	1
2	Smt. Divyalakshmi Scholarship	2-4
3	D/Cipher	5-7
4	Sports Selection Trials 2021	8
5	Orphanage Home Visit (CSR Activity)	9
6	IDC Club Activity	9
7	Student In-Plant Training	10
8	Best Out of Waste	10
9	Guest Lecture	10
10	Thursday's Talk	11
11	Workshop on "Search Engine Optimization"	11
12	Photographic Club Activity	12
13	Guest Lecture on "μc & Applications"	12
14	Workshop on "Python" – 40 hours series	12
15	Guest Lecture by Faculty	13
16	Meetings & Discussions	13-14
17	ATAL FDP Proposal	14
18	Project Review	15
19	Faculty Participation	15-20
20	Student's Activity	20-22
21	Know About – "SoC Cores"	22-24
22	Title for the Picture	24
23	Top View – An Activity	24

Editor-in-Chief

Dr. V. Vijaya Chamundeeswari, Principal, KITE

Dr. S. Suresh Kumar, Vice Principal, KITE

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Editorial Team

Ms.Sruthi Mol P, Asst. Prof – IT,

Ms.A.Suganthi, Asst. Prof - CSE

Editorial Team

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Ms.Kanchana Menon – Digital Marketing

Commemoration and Birth Anniversary

Commemoration and Birth Anniversary of our Beloved and Late Founder Director KGiSL- Smt. Divyalakshmi Ashok at 11a.m on 03.03.2021 at KITE Admin Launch.

Smt. Divyalakshmi Scholarship

In the august presence of
Chairman KG Hospital
Managing Trustee KG
Time : 10
IIM Auditorium,

the august presence of
BAKTHAVATHSALAM
Trustee KGiSL Trust
Date :
10 AM
Venue : 5th Floor, IIM

BAKTHAVATHSALAM
Trustee KGiSL Trust
Date :
10 AM
Venue : 5th Floor, IIM
Coimbatore.

the august presence of
BAKTHAVATHSALAM
Trustee KGiSL Trust
Date :
10 AM
Venue : 5th Floor, III

august presence of
KG Hospital
Trustee KGiSL Tru
10 AM
Auditorium, KGiSL Ca

In the august presence of
KG Hospital
Trustee KGiSL Trust
place.
10 AM
Venue : 5th Floor, IIM
Saravanampatti, Coimbato

Smt. Divyalakshmi Scholarship was given to the following KiTE students on 05.03.2021.

1. Ajay Sasidharan (Mech)
2. Anjali Deepak Reddy (IV CSE)
3. Dharrshan Seshasthrri K S (I AI & DS)
4. Ilaya Bharathi M (IV CIVIL)
5. Keerthi M (IV ECE)
6. Prasanth M (IV CSE)
7. Rishi Arumugam (IV
8. Rithika S (IV CSE)
9. Sarani Priya (IV CSE)
10. Saranya S (IV CSE)
11. Siva Parvathi P (IV CSE)
12. Sri Ram B (IV ECE)
13. Vignesh B (IV CSE)

A hackathon to honour women – D/Cipher

To commemorate International Women's Day, KGiSL Educational Institutions and Eshikhya, the incubated startup from KGiSL Institute of Technology, conducted an inter-collegiate hackathon that addressed a few pressing issues faced by women in general. The 18-hour event took place on 1st and 2nd March in compliance with COVID-19 safety protocols, culminating in the award ceremony for winning innovations on the 5th. Mr. Yash Manivannan, founder and CEO of Watts and Joules Inc. graced the occasion as the guest of honour during the hackathon. Padma Shri Dr. G. Bakthavathsalam, Dr. Ashok Bakthavathsalam, and Ms. Avanthika Raghu, CEO – IT & Businesses Development presented the awards to the deserving winners.

Twenty-eight teams, all teeming with creativity from KGiSL Institute of Technology (KiTE), KG College of Arts and Science (KGCAS), Sri Krishna College of Engineering and Technology, and Sri Krishna College of Arts and Science participated in the contest.

Bias KiTE Techies from KGiSL Institute of Technology bagged the 1st prize and was awarded INR 2500 for presenting the most efficacious gadget. Signora, the prize-winning multi-faceted stun gun used for self-defense, features an electric taser, flashlight, pepper spray, power bank, Bluetooth, GPS, and a buzzer that sounds an alarm at around 40 decibels. The device was produced from the circuit board of a mosquito bat, helping increase the odds of administering a shock to the offender by affecting his neuromuscular activity.

I Prize was bagged by - **Bias Kite Techies (KiTE)** with **Rs. 2500/-** cash prize.

Team Members:

Bala B
Akshaya Kirthiga. P
Sreejith.R and
Isha N

II Prize was bagged by - **Core four (KiTE)** with **Rs. 2000/-** cash prize.

Team Members:

Naresh Chanthar G
Kousi Priya C
Anjana Sree A and
Mithelesh R

III Prize was bagged by - Virtual Schematics **(KGCAS)** with **Rs. 1500/-** cash prize.

Team Members:

Jayashree Chandrasekharan
Harshavarthini P
Sarath Bharathy B
Ashiqkhan.J

III Prize was bagged by - CYBER KNIGHTS **(SKCET)** with **Rs. 1500/-** cash prize.

Team Members:

Preethi G
Mohana Priya M
Deepak Kumar D
Pramesh Vinayak

III Prize was bagged by – **Positive Vibes (KGCAS)** with **Rs. 1500/-** cash prize.

Team Members:

Ruth
Harini.v
Samyuktha A
Ruban raghavendar K

Outstanding Idea was given to Mathaholics (KGCAS).

Team Members:

Prakash Raj
Srinithi

Outstanding Idea was given to Break A Lead (KGCAS).

Team Members:

L.Vaishnavi
V.Harini
S. Yashmitha
M.Poojapet

Sports Selection Trials 2021

Sports Selection Trials 2021 was conducted by KGiSL Institute of Technology and KG College of Arts & Science on 06.03.2021 & 07.03.2021 for the school students which was coordinated by **Mr.Raja.R** and **Ms.Jayashree.R**, Assistant Professor, Department of CSE and **Dr.Ananthi M** and **Mr.Sathish R**, Assistant Professor, Department of Information Technology. The students proactively participated in the event and the best Potential players were awarded with 50% to 100% Scholarships for their studies.

Orphanage Home Visit (CSR Activity)

Department of ECE visited the Orphanage "**Udavum Karangal**", Vadavalli, Coimbatore under **CSR activity,** to donate the groceries and cash on **27.02.2021.** Also, sweets were distributed to the children in the orphanage.

IDC Club Activity

The Innovation Design Club (IDC) Co-Ordinators, Remin Franklin E of II ECE**, Logesh Kumar .R** of II ECE**,** along with the Team of Mentors, **Dr.Jaikumar.R and Ms.Leena.B,** Department of ECE have designed a cost effective portable Pi-Projector.

Student In-Plant Training

Mr. K. Gowtham and Mr. Joseph Anand, 2nd year Mechanical students have attended **In-plant training** at **SONARAM ENGINEERING** from 22.01.2021 to 24.01.2021.

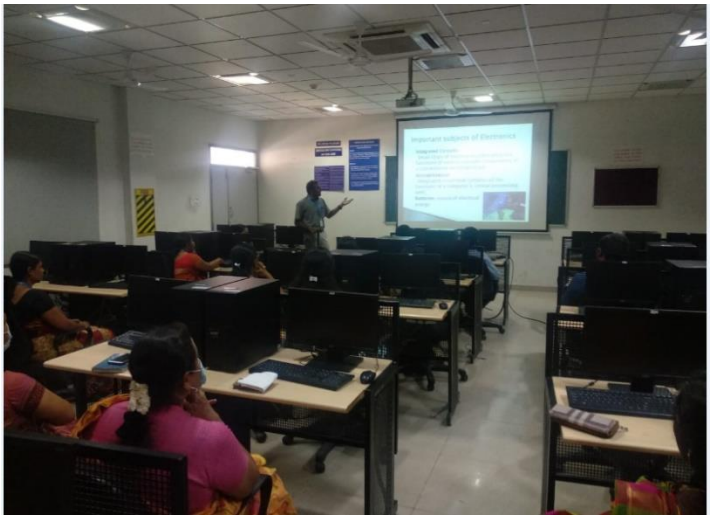
Best Out of Waste

The Department of Information Technology conducted a webinar on the topic "Best out of Waste" organized by Ms. Kalpana C on 06.03.2021. The aim of this session was to turn the waste into usable products. This was organized as a part of Environmental responsibilities. Ms. Anitha S, Dr. Arun M , Assistant Professor of ECE, were the Judges of the event.

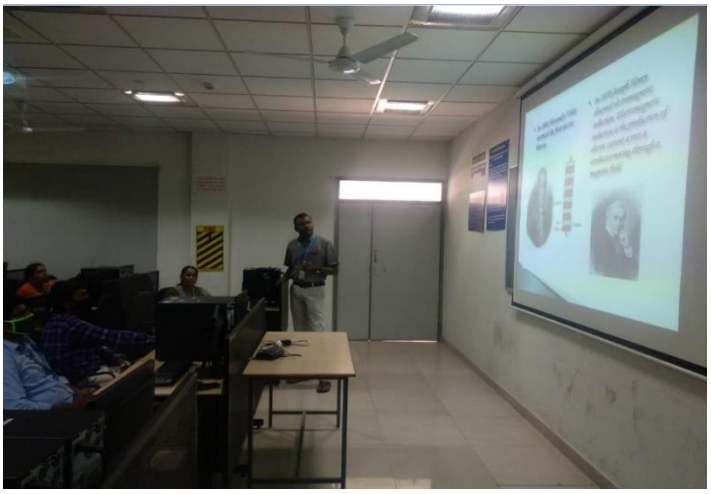
Guest Lecture

The Department of Information conducted a guest lecture on "Green Computing" on 02.03.2021, organized by Dr. Ananthi M. The session was handled for the IV B.Tech IT.

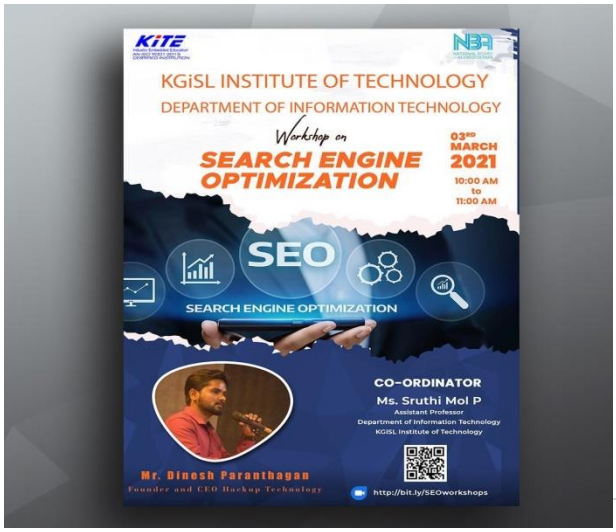
Thursday's Talk



Department of Computer Science and Engineering along with the **Department of Information Technology** are conducting a programme **"Thursday Talk" (Technical/Non-Technical)** every Thursday. In connection to this, Session –II was handled by **Dr.P.Rajkumar** on the topic **"The Past, Present and Future of Electronics" on** 04.03.2021.



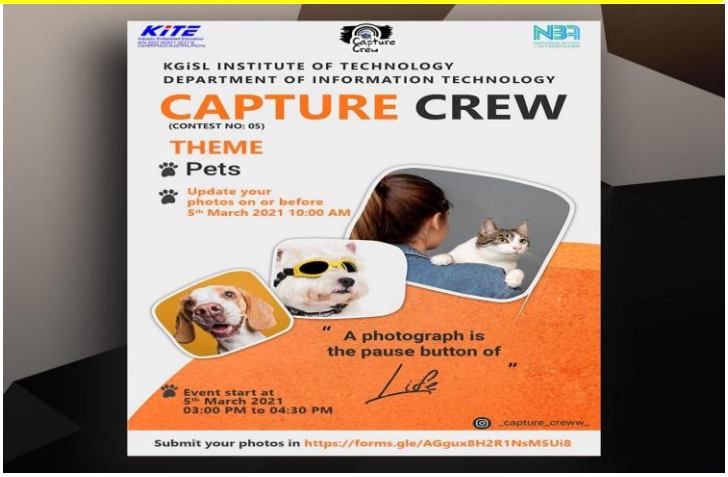
Workshop on "Search Engine Optimization"



Department of Information Technology conducted an online workshop on "Search Engine Optimization" on 3rd March 2021. The workshop was organized by Ms. Sruthi Mol P. The participants were from the II, III and IV year. The session was mind blowing as they were given the awareness towards SEO and its career opportunities.

Photographic Club Activity

Department of Information Technology conducted the photographic club activity for the students on 5th March 2021. The theme for the event was "PETS". Students actively participated and show cased their photographic skills on the theme. The event was organized by Dr. Mythili T.

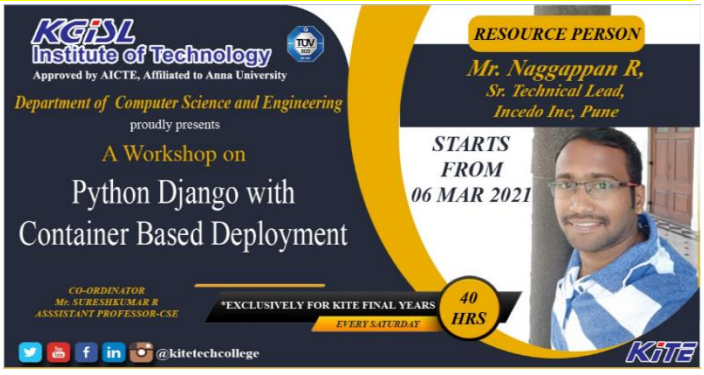


Guest Lecture on "µc & Applications"

Dr.J.Rejina Parvin & Mr.N.Jeeva, Department of ECE organized a Guest Lecture on **"Microcontroller and its Applications"** on 06.03.2021 through **Google meet**, presented by **Mr.Dinesh Ponnuswamy, Managing Partner , SAI Incubation Center, Coimbatore.**

Workshop on "Python" – 40 hours series

Department of Computer Science and Engineering organized a Workshop on "Python Django with Container Based Deployment". This workshop is planned as a series of 40 hours which will be conducted every Saturday. The interested final year students took part in this workshop and gained a very good experience.



Guest Lecture by Faculty

Prof. C. Narayanaswamy, Head of the Mechanical Engineering Department delivered a Guest lecture on "Industrial Expectations from Technical Graduates" at Sri Shakthi Institute of Engineering and Technology on 06.03.2021 through online pedagogy.

Meetings & Discussions

A Faculty Meeting was conducted by **the Department of Computing Science,** all the Faculties from Computer Science & Engineering, Information Technology, Artificial Intelligence & Data Science gathered in the meeting. **Dr.Venkateshwaran.L**, Dean of Computing Science addressed the meeting and appreciated the faculty members for their effective coordination, discussed about the subject allocations for the next semester and also asked to stick on with the Quality Objectives of the department.

Department Faculty Meeting was conducted on 05.03.2021 at 2.30 p.m. for discussing about the roles of mechanical faculty in conduct of SPORTS QUOTA ADMISSIONS SELECTION TRIALS to be held on 06.03.2021 and 07.03.2021.

Mechanical department Faculty Meeting was conducted on 01.03.2021 at 3.30 p.m. for discussing various activities such as Review of the previous meeting held on 22.02.2021, E-Magazine, Updating Faculty personal file, Lab maintenance report, Manual, Records and Ticket Status, Activities as per MOU, AQIS proposal, Updating of Quality objectives, Updating of Activity status report, Admission related activities, Placement oriented programme, New MOU, Consultancy, Internship, Anna University Online Exam, AU Affiliation related activities, Placement for Final Year Students and Academic activities.

Civil Department faculty meeting was conducted on 03.03.2021 in department HOD cabin at 1.30 p.m. The following points were discussed. A discussion is made with class advisor and subject handling faculties regarding: Payment of student's fee, Students online class attendance and also discussed about the actions to be taken for the regular absentees, Syllabus completion, Timetable to be followed for 2nd year offline classes, Overall department activities

The Department of Information Technology, conducted a faculty meeting on 04.03.2021. The agenda of the meeting are as follows: Students Profile update, Academic update, Conduct of the women's day

ATAL FDP Proposal

The Department of Information Technology has applied for the Faculty Development Program on ATAL, AICTE portal. Dr. Ananthi M and Mr. Sathish R has applied the proposal successfully.

Project Review

Project Review was conducted for the IV BE ECE students from 03.03.2021 to 05.03.2021 under the supervision of the Project coordinator, Ms.V.Rajeswari, Assistant Professor, Dr.J. Rejina Parvin, HoD-ECE and ECE faculty members. Faculty members gave their inputs and feedbacks for the successful completion of the project.

Faculty Participation

Mr. S.D.Nandakumar, Head, Department of AI and DS, has participated in AICTE sponsored Short Term Training Programme **on "Internet of Things (IoT)"** organized by SASTRA Deemed University, Thanjavur, from 23.02.2021 to 27.02.2021.

ATAL

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Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that NANDAKUMAR SD, Assistant Professor of KGiSL Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2021-2-23 to 2021-2-27 at SASTRA Deemed University.

Director ATAL Academies

Coordinator

Certificate

This is to certify that ***MR. ARUN T A*** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on ***"The Power of Teacher - Student Relationships in Determining Student Success"*** held during **01.02.2021** to **06.02.2021** organized by ***CIT Sandwich Polytechnic College, Coimbatore, Tamilnadu.***

Director (FDC) AICTE, ND

Executive Secretary ISTE, ND

Principal & Program Coordinator CITSPC, Coimbatore

Mr. T. A. Arun, faculty of Mechanical Engineering Department has completed the **AICTE-ISTE approved Orientation/ Refresher Programme** on **"The Power of Teacher – Student Relationships in Determining Student Success"** held from 01.02.2021 to 06.02.2021 organized by **CIT Sandwich Polytechnic College**, Coimbatore, Tamilnadu.

Mr. V. Chandra Bose, faculty of Mechanical Engineering Department completed the **AICTE-ISTE approved Orientation/ Refresher Programme** on **"The Power of Teacher – Student Relationships in Determining Student Success"** held from 01.02.2021 to 06.02.2021 organized by **CIT Sandwich Polytechnic College**, Coimbatore, Tamilnadu.

Certificate

This is to certify that *MR. V CHANDRA BOSE* has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on *"The Power of Teacher - Student Relationships in Determining Student Success"* held during 01.02.2021 to 06.02.2021 organized by *CIT Sandwich Polytechnic College, Coimbatore, Tamilnadu.*

Director (FDC) AICTE, ND | Executive Secretary ISTE, ND | Principal & Program Coordinator CITSPC, Coimbatore

No:ATAL/2021/1613538291

ATAL

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AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that Chandra Bose V, Assistant Professor of KGiSL Institute of Technlogy participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sustainability Engineering" from 2021-2-22 to 2021-2-26 at Canara Engineering College.

Director ATAL Academies | Coordinator

Mr. V. Chandra Bose, faculty of the Mechanical Engineering Department participated and completed **AICTE Training and Learning (ATAL) Academy** an online **FDP** on **"Sustainability Engineering"** from 22.02.2021 to 26.02.2021 organized by **Canara Engineering college**.

Prof. C. Narayanaswamy, Head of the Mechanical Engineering Department participated in a **Webinar** on **"Overview on advancements in Renewable Energy – A Fundamental Numerical talk"** organized by **Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam** on 27.02.2021 through online pedagogy.

EI9EMI-CE000090

ARASU ENGINEERING COLLEGE

Approved by AICTE - Affiliated to Anna University - Accredited by NAAC - Accredited by NBA - Recognised by UGC under 2(f) & 12(B)
Chennai Main Road, Kumbakonam - 612 501, Tamil Nadu, India.

CERTIFICATE OF APPRECIATION

This is to certify that Narayanaswamy C has actively participated in the Guest Lecture on "Overview on Advancements in Renewable Energy - A Fundamental Numerical Talk" organised by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 27.02.2021 through online pedagogy.

Dr. T. Balamurugan,
Principal, Arasu Engineering College

Made for free with Certify'em

Dr. N. G. P. INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Recognized by UGC & Accredited by NAAC with A+& NBA (BME,CSE, ECE, EEE & MECH)
Dr. N.G.P. Kalapatti Road, Coimbatore- 641 048.

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF PARTICIPATION

S.PREETHIJOHNEVELIN

HOD/CIVIL, KGISL Institute of Technology

has participated in the webinar on "Safe and Clean Environment for Healthy Living" held on March 2nd, 2021 organized by the Department of Civil Engineering, Dr.N.G.P. Institute of Technology, Coimbatore.

Dr.P.Muthupriya
Convenor, HoD/ Civil

Dr.K.Porkumaran
Principal

Dr. N. G. P. INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Recognized by UGC & Accredited by NAAC with A+& NBA (BME,CSE, ECE, EEE & MECH)
Dr. N.G.P. Kalapatti Road, Coimbatore- 641 048.

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE OF PARTICIPATION

R.JAGEDESWARI

ASSISTANT PROFESSOR, KGISL Institute of Technology

has participated in the webinar on "Safe and Clean Environment for Healthy Living" held on March 2nd, 2021 organized by the Department of Civil Engineering, Dr.N.G.P. Institute of Technology, Coimbatore.

Dr.P.Muthupriya
Convenor, HoD/ Civil

Dr.K.Porkumaran
Principal

Mrs.R.Jagedeswari/AP & Ms.Preethiohnevelin /AP attended a webinar on **"Safe and Clean Environment for Healthy Living"** held on 02.03.2021 organized by the Department of Civil Engineering, Dr.N.G.P. Institute of Technology, Coimbatore.

No:ATAL/2021/1613542185

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

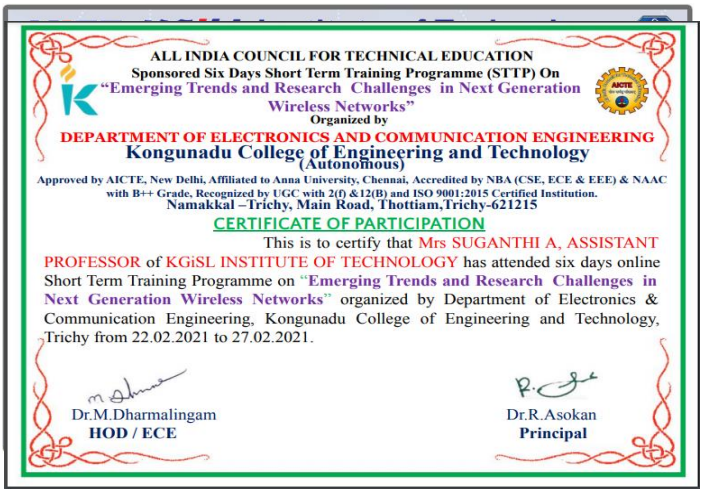
This is certified that S.K.MYDHILI, Professor of KGiSL INSTITUTE OF TECHNOLOGY participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Electrical & Computer Engineering" from 2021-2-22 to 2021-2-26 at MAHENDRA ENGINEERING COLLEGE AUTONOMOUS.

Director ATAL Academies

Coordinator

Dr.S.K.Mydhili, Professor, Department of Computer Science and Engineering participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on "**Electrical & Computer Engineering**" from 22.02.2021 to 26.02.2021 at Mahendra Engineering College.

Ms.Suganthi A, Assistant Professor, Department of Computer Science and Engineering participated in **Short Term Training Programme (STTP)** on **"Emerging Trends and Research Challenges in Next Generation Wireless Networks"** Organized by Department of ECE, Kongunadu College of Engineering and Technology, from 22.02.2021 to 27.02.2021.


ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Sponsored Six Days Short Term Training Programme (STTP) On
"Emerging Trends and Research Challenges in Next Generation Wireless Networks"
Organized by
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Kongunadu College of Engineering and Technology
(Autonomous)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA (CSE, ECE & EEE) & NAAC with B++ Grade, Recognized by UGC with 2(f) &12(B) and ISO 9001:2015 Certified Institution.
Namakkal –Trichy, Main Road, Thottiam,Trichy-621215

CERTIFICATE OF PARTICIPATION

This is to certify that Mrs SUGANTHI A, ASSISTANT PROFESSOR of KGiSL INSTITUTE OF TECHNOLOGY has attended six days online Short Term Training Programme on "Emerging Trends and Research Challenges in Next Generation Wireless Networks" organized by Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy from 22.02.2021 to 27.02.2021.

Dr.M.Dharmalingam
HOD / ECE

Dr.R.Asokan
Principal

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
(An Autonomous Institute under Kakatiya University, Warangal)
KITSW

No:AICTE/STTP/2021/CSE1569

AICTE Sponsored Short Term Training Program (STTP) on
"IoT Simulation by Fog Computing and Edge Computing using Open-source Tools"

Certificate of Participation

This is to certify that Mr/Ms/Dr./Prof/ *VIVEKANANDAN V* of *KGISL INSTITUTE OF TECHNOLOGY* has actively participated and completed successfully AICTE Sponsored Short Term Training Program (STTP) on "IoT Simulation by Fog Computing and Edge Computing using Open-source Tools" Organized by Department of Computer Science & Engineering from 15th to 20th February, 2021 at Kakatiya Institute of Technology and Science, Warangal.

Co-Coordinator Dr.V.Chandra Shekhar Rao, Associate Professor, Dept. of CSE
Coordinator Prof. P.Niranjan, Dean R&D, Dept. of CSE
Convenor Prof. V. Shankar, Professor & Head, Dept. of CSE
Chairman Prof. K. Ashoka Reddy, Principal, KITSW

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
(An Autonomous Institute under Kakatiya University, Warangal)
KITSW

No:AICTE/STTP/2021/CSE1568

AICTE Sponsored Short Term Training Program (STTP) on
"IoT Simulation by Fog Computing and Edge Computing using Open-source Tools"

Certificate of Participation

This is to certify that Mr/Ms/Dr./Prof/ *SURESHKUMAR R* of *KGISL INSTITUTE OF TECHNOLOGY* has actively participated and completed successfully AICTE Sponsored Short Term Training Program (STTP) on "IoT Simulation by Fog Computing and Edge Computing using Open-source Tools" Organized by Department of Computer Science & Engineering from 15th to 20th February, 2021 at Kakatiya Institute of Technology and Science, Warangal.

Co-Coordinator Dr.V.Chandra Shekhar Rao, Associate Professor, Dept. of CSE
Coordinator Prof. P.Niranjan, Dean R&D, Dept. of CSE
Convenor Prof. V. Shankar, Professor & Head, Dept. of CSE
Chairman Prof. K. Ashoka Reddy, Principal, KITSW

Mr.V.Vivekanandan & Mr.R.Suresh Kumar, Assistant Professor, Department of Computer Science and Engineering attended a Sponsored Short Term Training Program (STTP) on **"IoT Simulation by Fog Computing and Edge Computing using Open Source Tools"** organized by Kakatiya Institute of Technology and Science, Warangal, from 15.02.2021 to 20.02.2021.

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Industry Embedded Education
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Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Aruna T N, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P, Professor / CSE
Dr. Venkateshwaran Loganathan, Dean of Computing Sciences / HoD -CSE
Dr. Vijaya Chamundeeswari V, Principal

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Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Shanthini M, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P, Professor / CSE
Dr. Venkateshwaran Loganathan, Dean of Computing Sciences / HoD -CSE
Dr. Vijaya Chamundeeswari V, Principal

KiTE KGiSL Institute of Technology
Industry Embedded Education
Approved by AICTE | Affiliated to Anna University
Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Rajan R, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P, Professor / CSE
Dr. Venkateshwaran Loganathan, Dean of Computing Sciences / HoD -CSE
Dr. Vijaya Chamundeeswari V, Principal

KiTE KGiSL Institute of Technology
Industry Embedded Education
Approved by AICTE | Affiliated to Anna University
Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Karunambiga K, Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P, Professor / CSE
Dr. Venkateshwaran Loganathan, Dean of Computing Sciences / HoD -CSE
Dr. Vijaya Chamundeeswari V, Principal

Ms.T.N.Aruna & Ms.M.Shanthini, Mr.Rajan R Assistant Professor and **Dr.Karunambiga K,** Professor, Department of Computer Science and Engineering participated in **Two days International Faculty Development Programme on "FOG Computing"** organized by Department of CSE, KGiSL Institute of Technology, from 12.02.2021 to 13.02.2021.

Ms.C.Sangeetha, Assistant Professor, Department of Computer Science and Engineering participated in an **AICTE sponsored six days STTP on "Exploring Real World Applications of Block Chain Technology with Machine Learning Models"** Organized by K.L.N College of Engineering, Sivgangai, from 22.02.2021 to 27.02.2021.

KLN-AICTE-STTP-SI-47

K.L.N. COLLEGE OF ENGINEERING

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(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
DEPARTMENT OF INFORMATION TECHNOLOGY
Accredited by NBA, New Delhi

Certificate of Participation

This is to certify that

C.SANGEETHA

KGiSL INSTITUTE OF TECHNOLOGY

has participated in the AICTE Sponsored Six Day STTP (Online) on "Exploring Real World Applications of Blockchain Technology with Machine Learning Models (SERIES-1)", organized by Department of Information Technology, K.L.N. College of Engineering, Pottapalayam, Sivgangai District, Tamilnadu, during 22-27, February 2021

DR.R.ALAGESWARAN
COORDINATOR & HEAD / IT

DR.A.V. RAM PRASAD
PRINCIPAL

KiTE KGiSL Institute of Technology
Industry Embedded Education
Approved by AICTE | Affiliated to Anna University
Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Prashanthini K, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P
Professor / CSE

Dr. Venkateshwaran Loganathan
Dean of Computing Sciences / HoD -CSE

Dr. Vijaya Chamundeeswari V
Principal

KiTE KGiSL Institute of Technology
Industry Embedded Education
Approved by AICTE | Affiliated to Anna University
Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Sangeetha C, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

Dr. Rajkumar P
Professor / CSE

Dr. Venkateshwaran Loganathan
Dean of Computing Sciences / HoD -CSE

Dr. Vijaya Chamundeeswari V
Principal

KiTE KGiSL Institute of Technology
Industry Embedded Education
Approved by AICTE | Affiliated to Anna University
Department of Computer Science and Engineering

This is to certify that

Dr./Mr./Ms. Kamala V, Assistant Professor of KGiSL Institute of Technology has participated and successfully completed The International FDP on "Fog Computing" from 12/02/2021 to 13/02/2021 at KGiSL Institute of Technology.

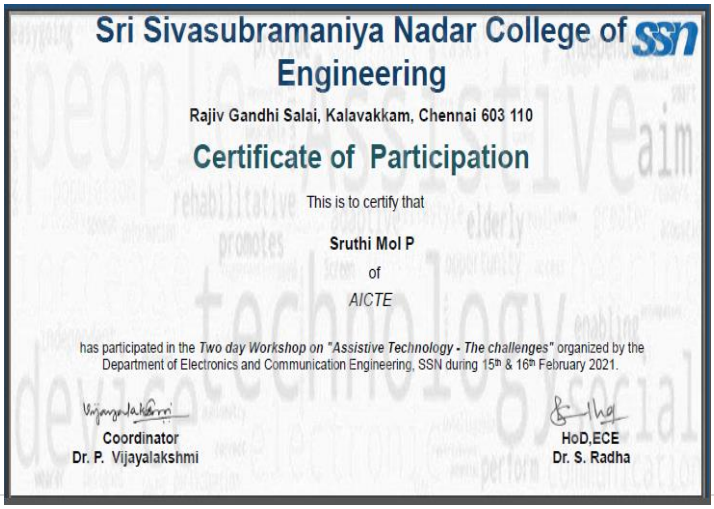
Dr. Rajkumar P
Professor / CSE

Dr. Venkateshwaran Loganathan
Dean of Computing Sciences / HoD -CSE

Dr. Vijaya Chamundeeswari V
Principal

Ms.Prashanthini K, Ms.C.Sangeetha & Ms.V.Kamala Assistant Professor, Department of Computer Science and Engineering participated in **Two days International Faculty Development Programme** on **"FOG Computing"** Organized by Department of CSE, KGiSL Institute of Technology, from 12.02.2021 to 13.02.2021.

Ms. Sruthi Mol P participated in Two day Workshop on "Assistive Technology - The challenges" organized by the Department of Electronics and Communication Engineering, SSN during 15.02.2021 & 16.02.2021 by Sri Sivasubramaniya Nadar College of Engineering, Rajiv Gandhi Salai, Kalavakkam, Chennai.


Sri Sivasubramaniya Nadar College of Engineering

Rajiv Gandhi Salai, Kalavakkam, Chennai 603 110

Certificate of Participation

This is to certify that

Sruthi Mol P

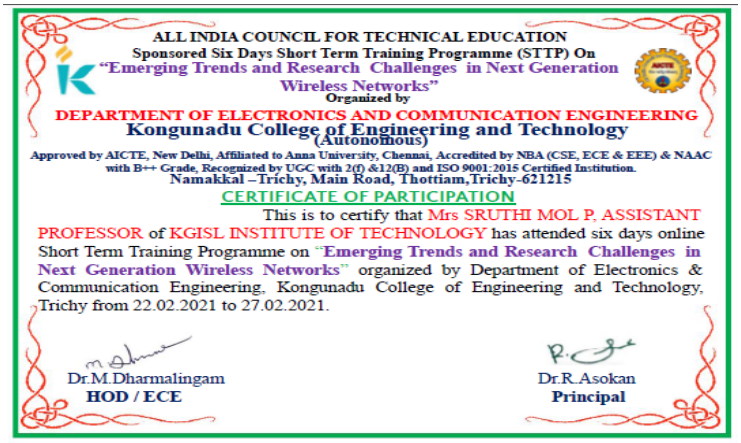
of

AICTE

has participated in the Two day Workshop on "Assistive Technology - The challenges" organized by the Department of Electronics and Communication Engineering, SSN during 15th & 16th February 2021.

Coordinator
Dr. P. Vijayalakshmi

HoD,ECE
Dr. S. Radha



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Sponsored Six Days Short Term Training Programme (STTP) On
"Emerging Trends and Research Challenges in Next Generation Wireless Networks"
Organized by
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Kongunadu College of Engineering and Technology
(Autonomous)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA (CSE, ECE & EEE) & NAAC with B++ Grade, Recognized by UGC with 2(f) &12(B) and ISO 9001:2015 Certified Institution.
Namakkal – Trichy, Main Road, Thottiam, Trichy-621215

CERTIFICATE OF PARTICIPATION

This is to certify that Mrs SRUTHI MOL P, ASSISTANT PROFESSOR of KGISL INSTITUTE OF TECHNOLOGY has attended six days online Short Term Training Programme on "Emerging Trends and Research Challenges in Next Generation Wireless Networks" organized by Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy from 22.02.2021 to 27.02.2021.

Dr.M.Dharmalingam
HOD / ECE

Dr.R.Asokan
Principal

Ms. Sruthi Mol P, Assistant Professor of KGiSL Institute of Technology attended Two weeks online Faculty Development Programme on "Emerging Trends and Challenges in VLSI Mixed-Signal Processing for Fourth Industrial Revolution" organized by Department of ECE, Kongunadu College of Engineering and Technology, Trichy.

Dr. Arun Chakravarthy R participated in the 6 days AICTE sponsored STTP from 15.02.2021 to 20.02.2021 on "Industrial Robots" conducted by Rajagopal Polytechnic College, Vellore.

Certificate No : RPCG/AICTE-STTP/IR4042
AICTE REF No : 34-66/280/FDC/STTP/POLICY-1/2019-20

RAJAGOPAL POLYTECHNIC COLLEGE
Government Aided *AICTE Approved *
NBA Accredited: (Mech, EEE, Civil & ECE)
Gandhi Nagar, Gudiyattam - 632 602
Vellore District, Tamil Nadu.

AICTE Sponsored One Week STTP

CERTIFICATE

This certificate is awarded to
Dr/ ~~Shri/Smt/Miss.~~ R ARUN CHAKRAVARTHY,
Associate Prof/ Information Technology, KGiSL Institute Of Technology,
Saravanampatti, Coimbatore, Tamil Nadu - 641 035
for the Successful participation in the AICTE sponsored one week Short Term Training Programme (STTP) on

"INDUSTRIAL ROBOTICS"

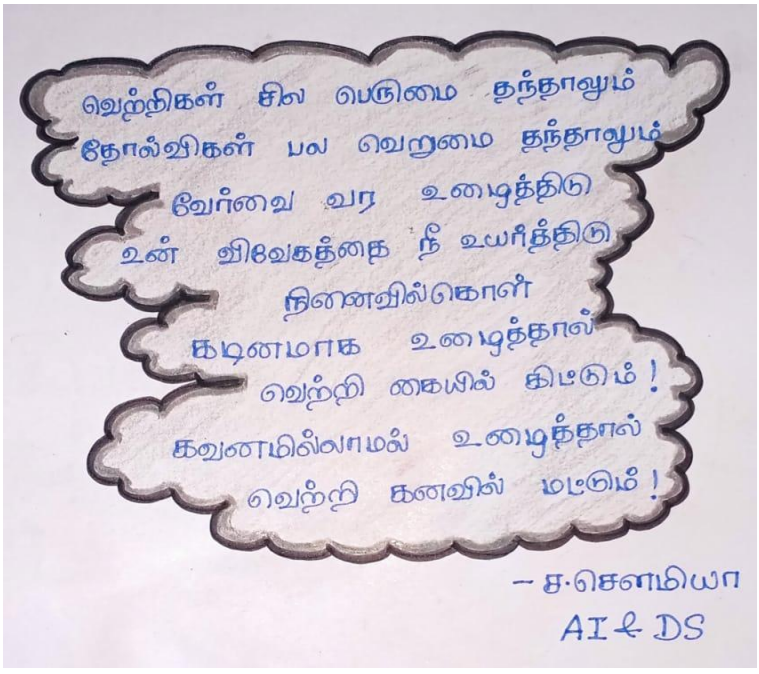
Conducted by the Department of Mechanical Engineering, Rajagopal Polytechnic College from 15.02.2021 to 20.02.2021 (6 days).

The major topics covered being :
- Overview of Robotics, End Effectors & Applications.
- Robot Fundamentals and Robot Kinematics.
- Sensors for Robotics.
- Role of A.I in Robotics & Robot Programming.
- Service Robotics & Advanced Mobile Robotics.
- Unmanned Climbing Vehicle & Autonomous Mobile Robots.
- Vision Guided Robotics.
- Embedded based Internet of Things.

Dr. C. Dhandapani
Co-ordinator-STTP

Dr. R. Amutha
Principal

Student's Activity



வெற்றிகள் சில பெருமை தந்தாலும்
தோல்விகள் பல வெறுமை தந்தாலும்
வேர்வை வர உழைத்திடு
உன் விவேகத்தை நீ உயர்த்திடு
நினைவில்கொள்
கடினமாக உழைத்தால்
வெற்றி கையில் கிடைக்கும்!
கவனமில்லாமல் உழைத்தால்
வெற்றி கனவில் மட்டும்!

– ச.சௌமியா
AI & DS

Poem by Sowmiya – I AI & DS

Mr.Ramkumar M of III CSE A , completed a course in **"Node.js"** provided by **"Codecademy"** on 19.02.2021, completed **"Learn react"** course provided by **"Codecademy"** on 21.02.2021 and also he completed **"Learn Vue.js"** course provided by **"Codecademy"** on 21.02.2021.

Ms.Suveksha A of II CSE B successfully completed eight weeks online training on **"Ethical Hacking"** provided by **Internshala**. Also she completed four weeks online training on **"Internship and Job Preparation"** provided by **Internshala**.

Ms.Suveksha A of II CSE B participated in **Newton's coding challenge** February 2021 conducted by **Newton School**.

Ms.Reeshma R of II CSE B successfully completed a certification exam on **"The Fundamentals of Digital Marketing"** by **Google Digital on 13.02.2021**.

Know About – "SoC Cores"

Dr.RajkumarP, Professor, Department of Computer Science and Engineering has shared few points on the Technical topic "**System on a chip (SoC) Cores".**

System on a chip (SoC) Cores

One solution to the design productivity gap is to make ASIC designs more standardized by reusing segments of previously manufactured chips. These segments are known as "blocks", "macros", "cores" or "cells".

The blocks can either be developed in-house or licensed from an IP company. These Cores are the basic building blocks for System on Chip.

There are three different form of blocks or macros of System on Chip cores which are described below:

- **Soft Macro**
  - ✓ Reusable synthesizable RTL or net list of generic library elements.
  - ✓ User of the core is responsible for the implementation and layout.

- **Firm Macro**
  - ✓ Structurally and topologically optimized for performance and area through floor planning and placement
  - ✓ Exist as synthesized code or as a net list of generic library elements
- **Hard Macro**
  - ✓ Reusable blocks optimized for performance, power, size and mapped to a specific process technology
  - ✓ Exist as fully placed and routed net list and as a fixed layout such as in GDSII format.

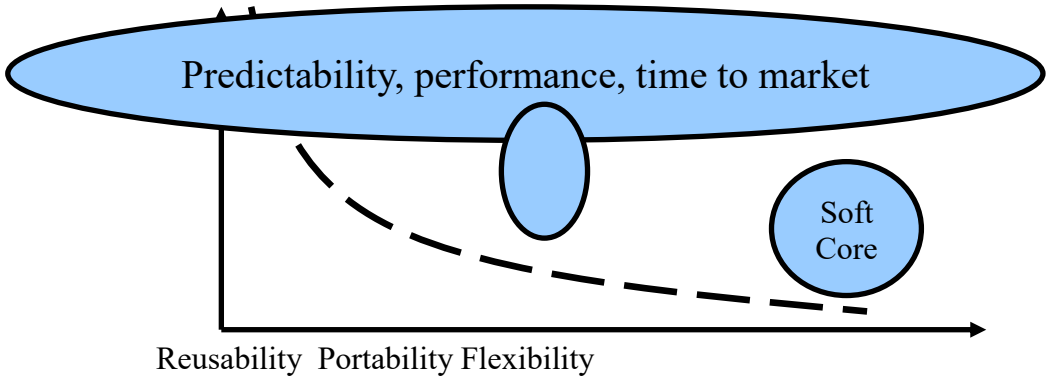


Figure: Graph showing variations in different cores

• Locating the required cores and associated contract discussions can be a lengthy process
  – Identification of IP vendors and Evaluation criteria
  – Comparative evaluation exercise
  – Choice of core
  – Contract negotiations
    • *Reuse restrictions*
    • *Costs: license, royalty, tool costs*
  – Core integration, simulation and verification

Solution is Design Re-use

To overcome complexity and verification issues by designing Intellectual Property (IP) to be re-usable .This is done on such a scale that a new industry has been developed. The Design activity is split into two groups:

- IP Authors – producers.
- IP Integrators – consumers.

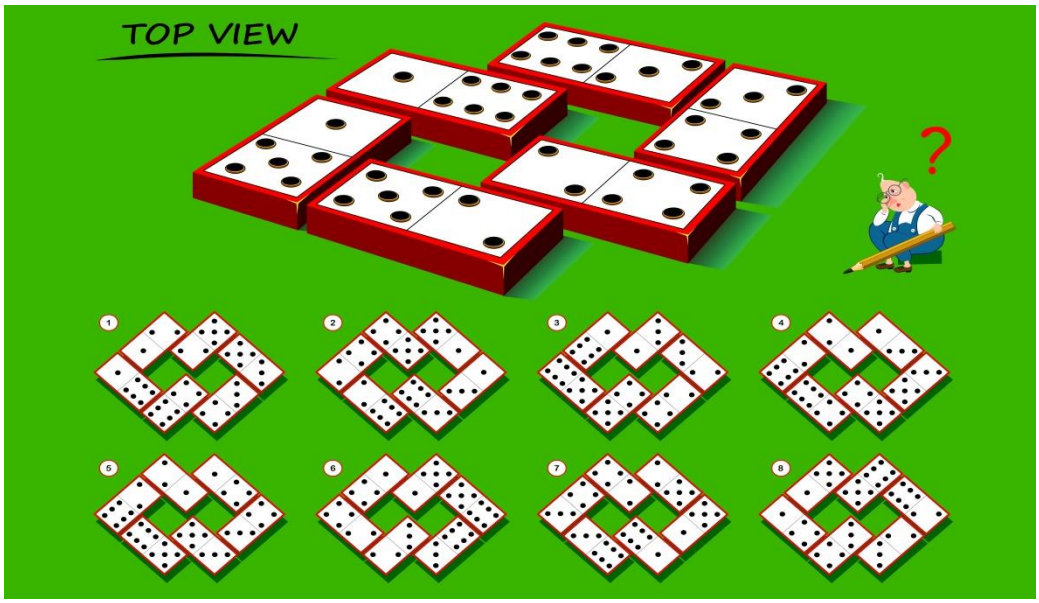
IP Authors produce fully verified IP libraries and thus making overall verification task more manageable.

IP Integrators select, evaluate, and integrate IP from multiple vendors. IP integrated onto Integration Platform designed with specific application in mind.

Title for the Picture- "Eternal Stare"

Adhwaith Chandran
II BE CSE A

Find out the one which resembles 'Top View'



Send your answer to me along with your Name & Class/ Designation to my mail ID rejinaparvin.j@kgkite.ac.in. The one who solve it at the earliest will be appreciated in the next issue. Happy Solving!!!! Enjoy Reading KiTE Explorer.

THANK YOU