



**JAI SHRIRAM ENGINEERING COLLEGE**  
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,  
Accredited by NAAC)  
Dharapuram Road, Avinashipalayam, Tirupur – 638 660.

**7.3.1 Institutional Distinctiveness**

S. No	Index	Page No.
1	Communication Training	2
2	Value added Courses	5
3	ICT Based Teaching	8
4	Coaching Classes for Slow Learners	20
5	Signing of MOUs	34
6	Sports	36
7	Placement Training	47
8	Project Expo	48
9	Institute Innovation Council	52
10	Hackathon	53
11	AICTE Vishwakarma Awards	54

Dr. C. RAMESHKUMAR  
Principal  
Jai Shriram Engineering College  
Dharapuram Road,  
Avinashipalayam, Tirupur-638660

## 1. Communication Training

### Circular

**Ref: JSRGI/S&H /19-20/1**

**Date: 23.07.2019**

This is to inform that Bridge course for first year engineering students in the title of “Basic Sciences” will be conducted from 30.07.2019 to 01.08.2019 (3 Days). All students are asked to utilize this course in useful Manner to add value for career.



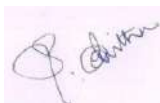
HOD/S&H

**Copy to:**

1. The Management for information please
2. Office
3. File
4. To circulate among students

**First Year Orientation Schedule (2019-2020)**  
**LIST OF FACULTY MEMBERS HANDLING SESSIONS**

Section	SESSION 1	SESSION 2	SESSION 3	SESSION 4
<b>30.07.2019</b>				
Section-A	M. Janani	J.Parvathavardhini	N.Meenalochini	R. Vetriselvi
Section-B	M.Sasirekha	N. Manoj	N.Lakshmi Priya	P. Shivakumar
Section-C	P.R. Bijisha	R.Priyanka	R. Kumaresan	J. Kavitha
<b>31.07.2019</b>				
Section-A	R. Priyanka	R.Kumaresan	M. Janani	T.Sathananthan
Section-B	S. Kavitha	G.Kousalya	P.R. Bijisha	N. Manoj
Section-C	N.Jeevitha	N.Premalatha	M.Sasirekha	J. Kavitha
<b>01.08.2019</b>				
Section-A	C.Chelladurai	J.Parvathavardhini	R.Gopinath	P.Baskar
Section-B	S. Kavitha	N.Lakshmipriya	R.Vetriselvi	G.Kousalya
Section-C	R.Priyanka	S.Gokulnath	P.Loganayaki	Meenalochini
<b>2.08.2019 &amp; 3.08.2019</b>				
Section-A, B & C	Industrial Visit Barani Hydraulics India Pvt. Ltd. & Regional Science Centre, Coimbatore			



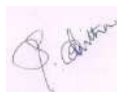
**Co-ordinator**



**HOD**

**First Year Orientation Schedule**  
**LIST OF ACTIVITIES**

DATE	SESSION 1	SESSION 2	SESSION 3	SESSION 4
<b>30.07.2019</b>	Make Sentences by using the Pictures & Motivational Video	Lexical Words & Hints development	Paper Shuffling Tongue Twister Listening Video	General Game & Feedback
<b>31.07.2019</b>	Word Marathon & Listening videos	Situational Conversation	Creative images Parts of Speech (collection of action words)	General Game & Feedback
<b>01.08.2019</b>	Self- Intro - Listening Skill test (chain link method)	PPT Product Launching (on the spot explanation)	Word Game & Vocabulary test Story making with their vocabulary	General Game & Feedback



**Co-ordinator**



**HOD**

## 2. Value added Courses

S.No	Year	Particulars
1	2015-2016	MS Project
2	2015-2016	C# and .Net Programming
3	2015-2016	Web Designing
4	2015-2016	PCB Designing Using Or CAD
5	2015-2016	Lab VIEW
6	2015-2016	PLC & SCADA
7	2015-2016	Embedded System
8	2015-2016	Solid works
9	2015-2016	Tally with ERP
10	2015-2016	Personality Development
11	2016-2017	Auto CADD
12	2016-2017	Stadd PRO
13	2016-2017	Advanced Java Programming
14	2016-2017	C++
15	2016-2017	Robotics and Automation
16	2016-2017	Optimization Techniques in Engineering
17	2016-2017	Introduction to Arduino
18	2016-2017	Embedded Systems
19	2016-2017	CATIA V5
20	2016-2017	Tally with ERP
21	2016-2017	Personality Development
22	2017-2018	Auto CADD (3D)
23	2017-2018	MS Project
24	2017-2018	Python Programming

25	2017-2018	Photoshop and Animation
26	2017-2018	HTML
27	2017-2018	C Programming
28	2017-2018	Embedded C
29	2017-2018	Electrical CAD
30	2017-2018	Importance of PLC in Industries
31	2017-2018	CATIA V5
32	2017-2018	ANSYS
33	2017-2018	Tally with ERP
34	2017-2018	Personality Development
35	2018-2019	Auto CADD (3D)
36	2018-2019	Google Sketch Up
37	2018-2019	Python Programming
38	2018-2019	PHP and Mysql
39	2018-2019	Printed Circuit Board (PCB) Designing
40	2018-2019	Hands on Training MATLAB
41	2018-2019	Android mobile phone troubleshooting and servicing
42	2018-2019	Introduction to Mat lab
43	2018-2019	ANSYS
44	2018-2019	Solid Works
45	2018-2019	Tally with ERP
46	2018-2019	Personality Development
47	2019-2020	Revit Architecture
48	2019-2020	Auto CADD (3D)
49	2019-2020	Fundamentals of C# and .Net Programming
50	2019-2020	Fundamentals of R Programming
51	2019-2020	Printed Circuit Board (PCB) Designing

52	2019-2020	ANFIS and Adaptive Neural Networks
53	2019-2020	Embedded Systems and IoT
54	2019-2020	Robotics and Automation
55	2019-2020	ANSYS
56	2019-2020	Solid works
57	2019-2020	Tally with ERP
58	2019-2020	Personality Development
59	2019-2020	Fundamentals of supply chain and logistics Management

#### **Reference Link for Value added courses**

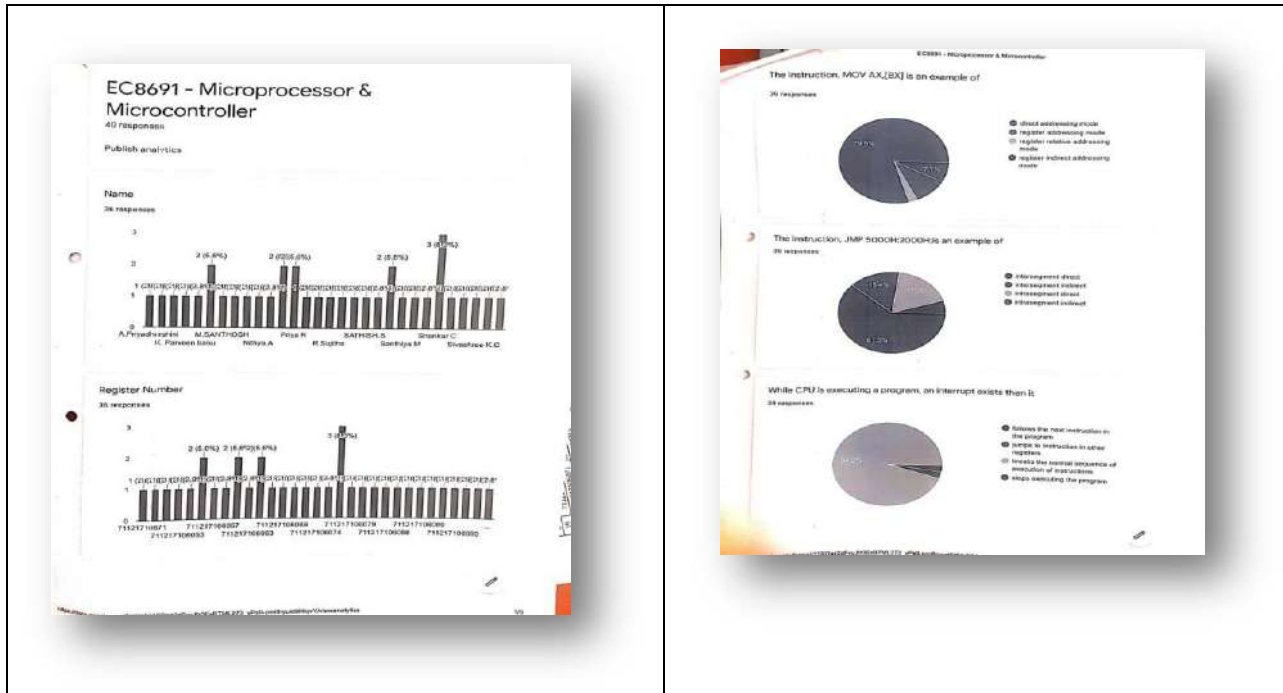
<http://www.jayshriram.edu.in/wp-content/uploads/2021/09/1.2.2and1.2.3.pdf>

### 3. ICT Based Teaching

#### ICT – Online Quiz – Microprocessor & Microcontroller

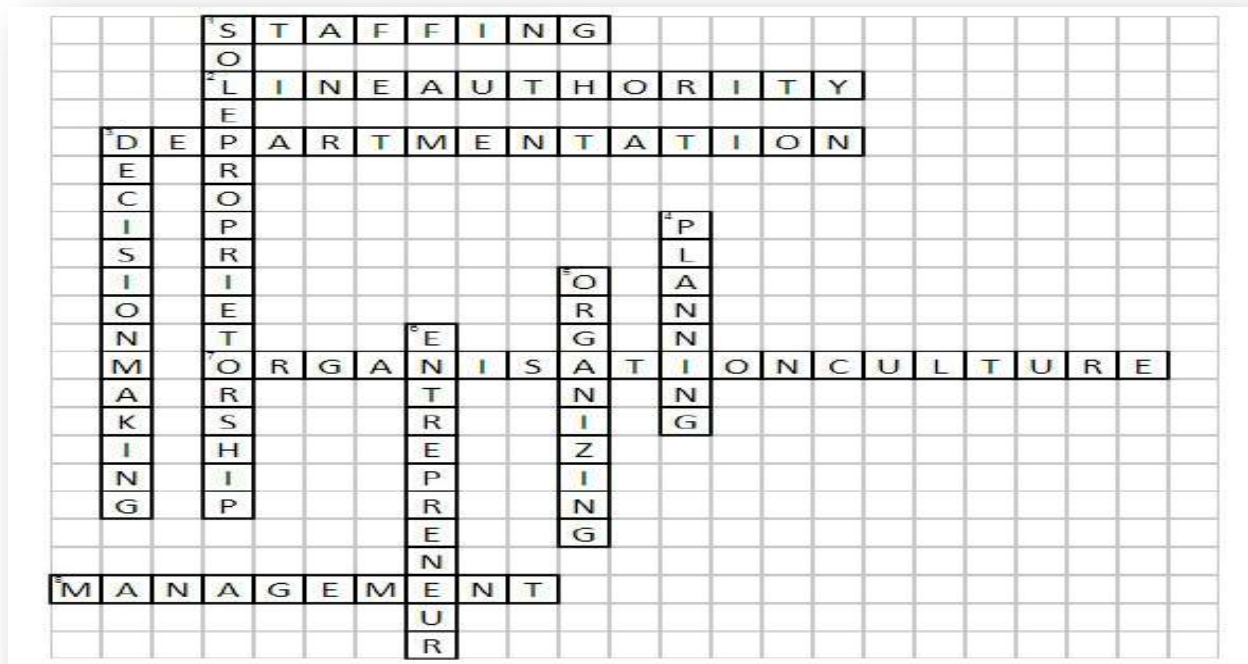
EC8691 - Microprocessor & Microcontroller		
<b>EC8691 - Microprocessor &amp; Microcontroller</b> 8086 Microprocessor * Required		
1. Name *		
2. Register Number *		
3. Speed of the microprocessor depends on Mark only one oval.	1 point	
<input type="radio"/> clock speed <input type="radio"/> instruction per speed <input type="radio"/> both a and b <input type="radio"/> none of the above		
4. Microprocessor differs from Microcontroller for the following reasons Mark only one oval.	1 point	
<input type="radio"/> Timers, A/D converters <input type="radio"/> On chip memory <input type="radio"/> On chip oscillator <input type="radio"/> all the above		
5. The instruction, CMP to compare source and destination operands it performs Mark only one oval.		1 point
<input type="radio"/> Addition <input type="radio"/> Subtraction <input type="radio"/> Multiplication <input type="radio"/> Division		
6. The instruction, MOV AX,[BX] is an example of Mark only one oval.		1 point
<input type="radio"/> direct addressing mode <input type="radio"/> register addressing mode <input type="radio"/> register relative addressing mode <input type="radio"/> register indirect addressing mode		
7. The instruction, JMP 5000H:2000H is an example of Mark only one oval.		1 point
<input type="radio"/> intersegment direct <input type="radio"/> intersegment indirect <input type="radio"/> intrasegment direct <input type="radio"/> intrasegment indirect		





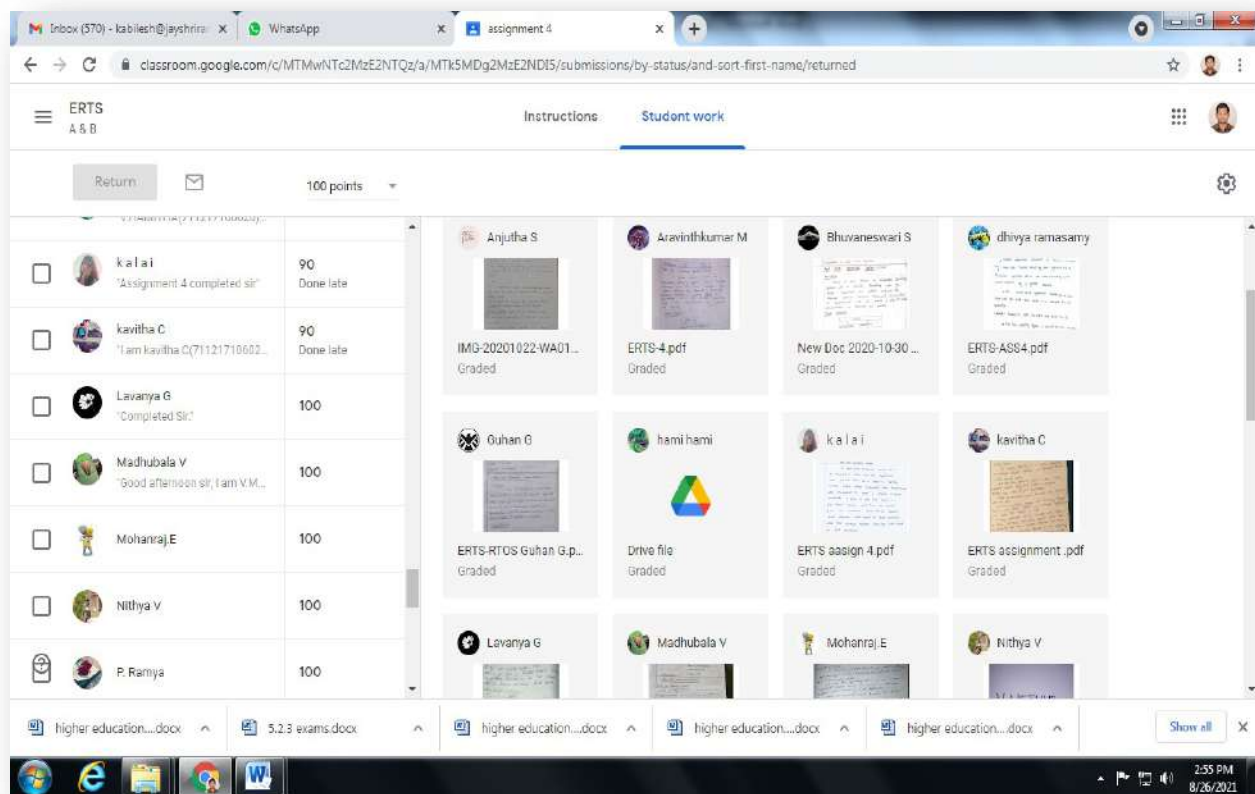
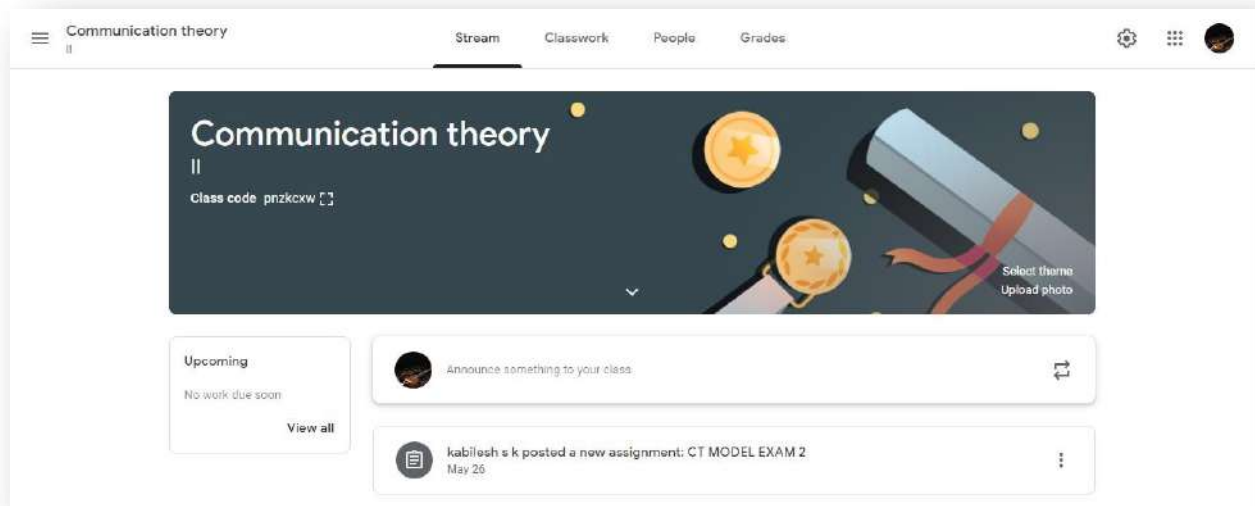
## Puzzles

### MG8591 – PRINCIPLES OF MANAGEMENT PUZZLES - DEFINITIONS OF MANAGEMENT TERMS



**CLUES:**

Across	Down
1 One of the management function	1 Form own bussiness, managed and controlled by individual
2 A type of authority example military, traditional	3 Selection based on some criteria from two or more possible alternatives
3 A process of dividing the large monolithic functional organization into small and flexible administrative units	4 Deciding in advance what to do, how to do, when to do and who is to do
7 System of shared beliefs and attitudes that develop within organisation and guides the behaviour of its member	5 The process of defining and grouping the activities of the enterprise and establish the authority relationship among them
8 The art of knowing what you want to do and then seeing that it is done in the best and cheapest way	6 Owner of enterprise



**Kahoot – Online Competition using mobile phones**

Kahoot! Home Discover Kahoots Reports Groups Upgrade now Create

## Practice makes perfect!

49% correct

Play again and let the same group improve their score or see if new players can beat this result.

Play again

Players: 36

Questions: 60

Time: 34 min

View podium

Difficult questions 17

35 - Quiz  
Which Flynn's classification has one control unit?

+16  
[See all \(17\)](#)

Need help 2

Didn't finish 24

selvapriya 0%

Deepak deepz 35%

selvapriya 60

selvapriya 8

Estherani S-Intern...pdf Dhiya\_internal\_3.pdf internal 3.pdf Show all

12:18 PM 3/15/2021

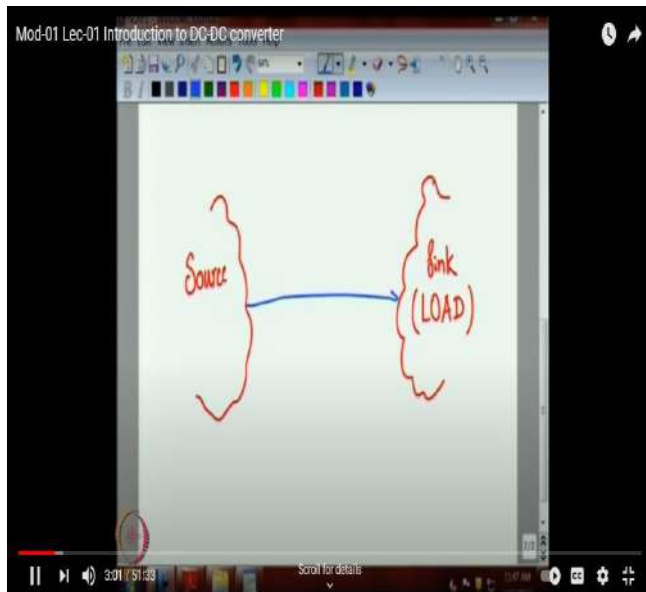
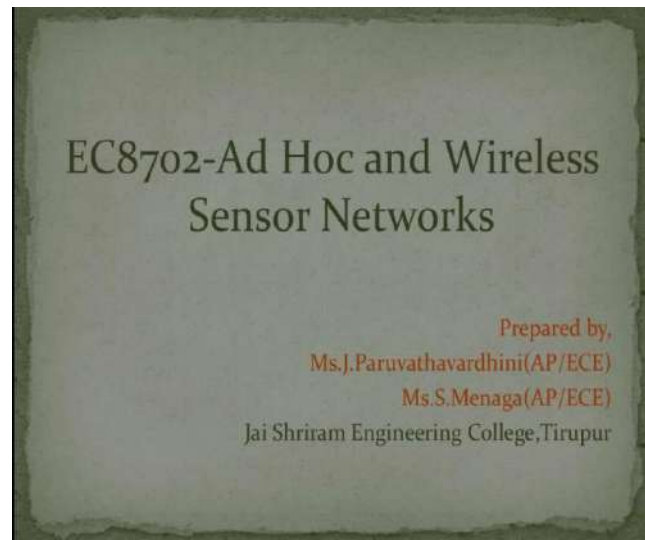
Kahoot! Home Discover Kahoots Reports Groups Upgrade now Create

Nickname	Rank	Correct answers	Unanswered	Final score
kanjana	1	65%	—	37 534
kowsalya	2	65%	—	37 503
Dhanalakshmi	3	57%	—	35 043
bijith	4	57%	1	34 780
jp	5	58%	—	33 864
S.Sasikumar	6	60%	1	33 393
Aravind	7	58%	1	33 160
Sachin Albert	8	53%	—	32 609
Surya mol	9	53%	—	31 141
nisha	10	55%	1	30 927

Estherani S-Intern...pdf Dhiya\_internal\_3.pdf internal 3.pdf Show all

12:19 PM 3/15/2021

## Lecture with presentation, Videos and Animation



Lecture with Videos



Lecture with Animation



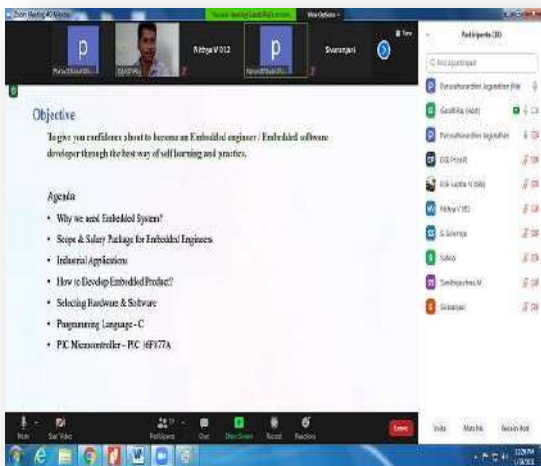
## Webinars



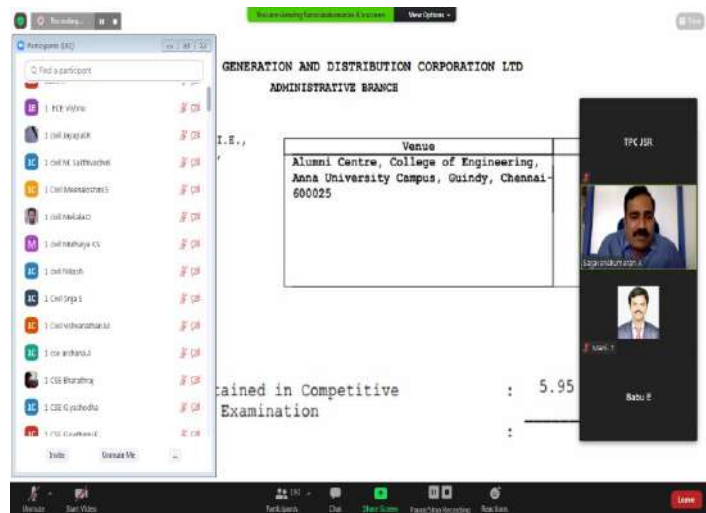
## Webinar on Self help Habit for Success



## Webinar on How to get employed successfully



## Webinar on “Scope of Embedded C in Industrial Application”



## Webinar on “GATE Way to Excellent Career Opportunities”

# TCP over 2.5/3G Wireless Networks

- Fine tuning today's TCP
- Learn to live with
  - Data rates: 64 kbit/s up, 115-384 kbit/s down; asymmetry: 3-6, but also up to 1000 (broadcast systems), periodic allocation/release of channels
  - High latency, high jitter, packet loss
- Suggestions
  - Large (initial) sending windows, large maximum transfer unit, selective acknowledgement, explicit congestion notification, time stamp, no header compression
- Widespread use
  - i-mode running over FOMA



## JAI SHRIRAM ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)  
Dharapuram Road, Avinashipalayam, Tirupur - 638 650.

Programme: Electronics and Communication Engineering	Degree: B.E
Course: Microprocessor and Microcontroller	Semester: 06
Course Code: E C 8 6 9 1	Credits: 3
Regulation: 2017	Course Type: Core / Elective

Sl. No.	Methodology	Topics
1.	Student Assignment	<ul style="list-style-type: none"> <li>▪ Interrupts and Interrupt Service Routines</li> <li>▪ Timer 8253</li> </ul>
2.	NPTEL/Videos	<ul style="list-style-type: none"> <li>▪ Real Time application of processor</li> <li>▪ Working of 8086 microprocessor</li> </ul>
3.	ICT methods	<ul style="list-style-type: none"> <li>▪ 8086 instruction set</li> <li>▪ Keyboard and Display controller</li> </ul>
4.	Student Seminar	<ul style="list-style-type: none"> <li>▪ 8086 Microprocessor operating modes</li> </ul>
5.	Hardware Demonstration	<ul style="list-style-type: none"> <li>▪ Traffic Light Controller</li> </ul>
6.	Mind Mapping	<ul style="list-style-type: none"> <li>▪ 8051 Timer Programming</li> </ul>
7.	Online Quiz	<ul style="list-style-type: none"> <li>▪ Instruction set of 8086</li> </ul>

*Mohy.*  
FACULTY IN-CHARGE

*22/01/20*

Inbox (470) x Classwork for E... x content beyon... x Content Beyon... x Microsoft Wor... x nptel videos fo... x NPTEL : Cours... x NPTEL : Electri... x

npTEL.ac.in/courses/117/102/117102062/

**NPTEL** About us Courses Contact us

Courses Electronics & Communication Engineering Wireless Communication (Video) Syllabus Co-ordinated by : IIT Delhi

Available from : 2009-12-31 Lec :36

**Modules / Lectures**

Wireless Communication

- Motivation and Introduction
- Types of Wireless communication
- The modern wireless Communication Systems
- The cellular concept - System Design issues
- Cell capacity and reuse
- Interference and System capacity
- Improving coverage and system capacity

**Watch on YouTube** Assignments Transcripts Books

**Lecture - 37 Wireless Networks** Watch later Share

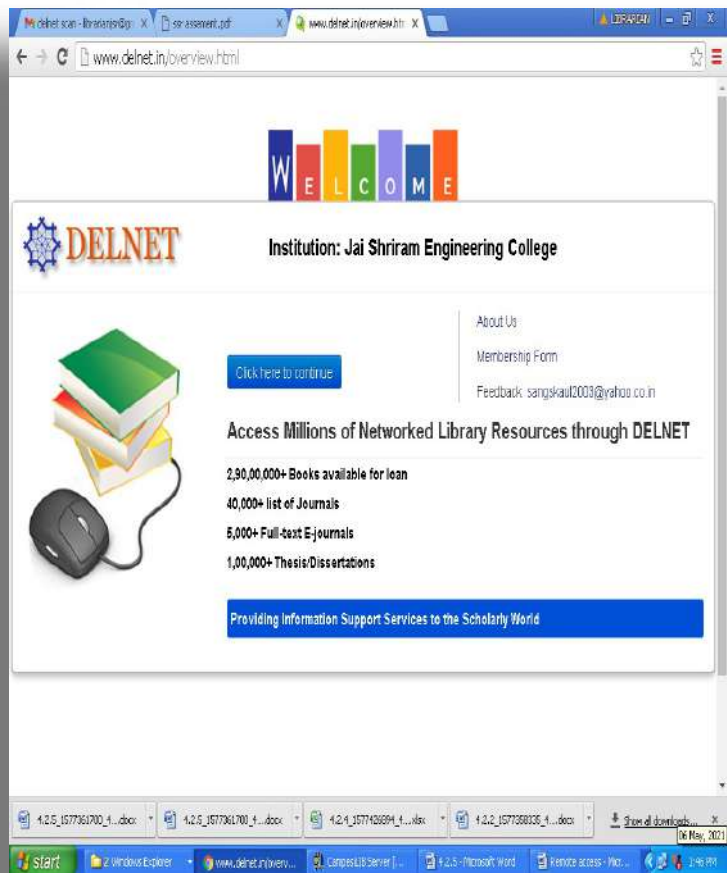
- **Mobility:** It can provide the users with access to time information. This mobility supports productivity not possible with wired networks
- **Installation Speed:** Installing such a system is very easy as it does not require pulling of wires or cables
- **Installation Flexibility:** Wireless technology allows the network to extend where you can't reach or go
- **Reduced Cost of Ownership:** Overall investments and life-cycle costs are significantly lower than the wired networks
- **Scalability:** Wireless LAN systems can be configured in a variety of topologies to meet the needs of specific applications and installations

Indian Institute of Technology Delhi Prayansh Bora Department of Electrical Engineering

Ad-hoc Sensor Net...pdf Show all X

12:04 PM 12/26/2020





## NATIONAL DIGITAL LIBRARY OF INDIA

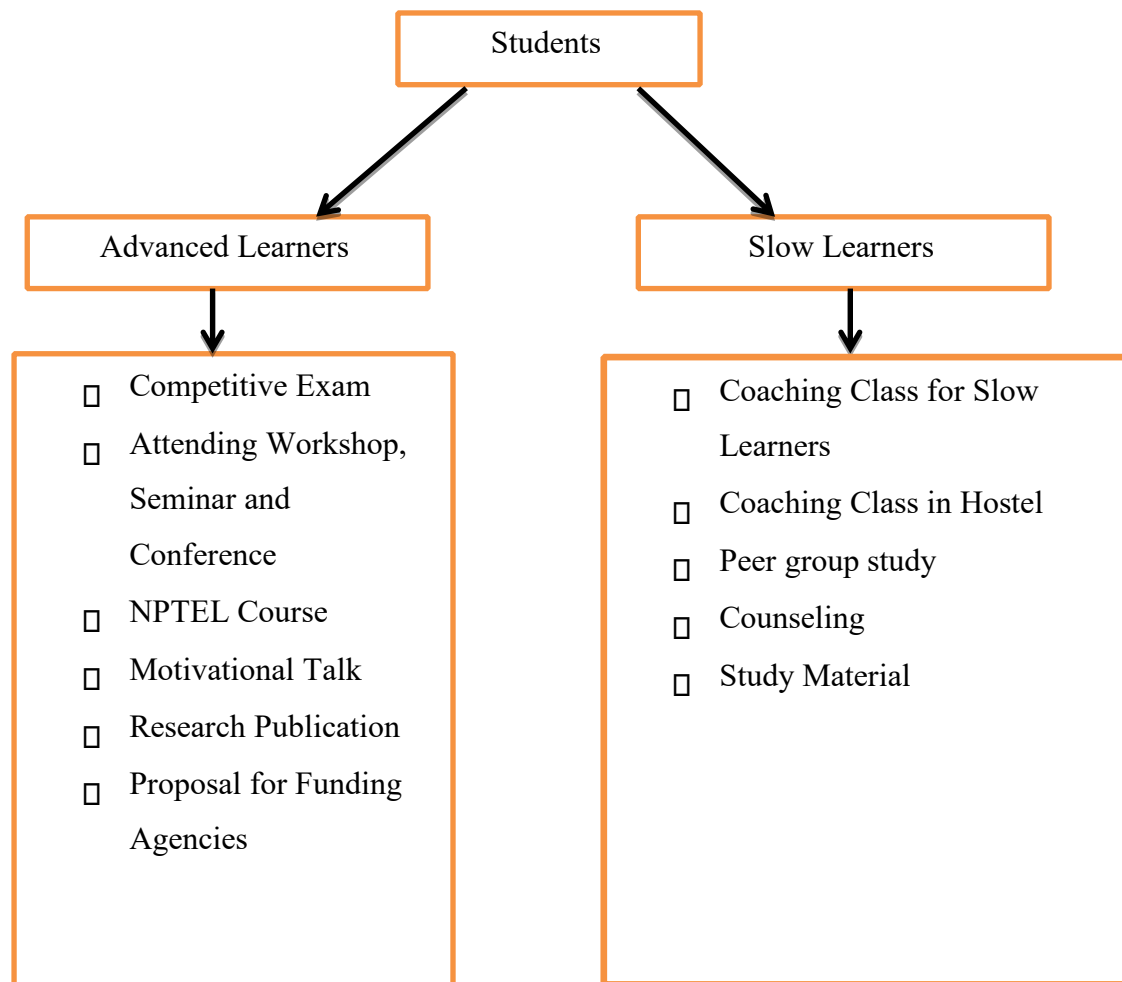
S.	Name of the Faculty	Department	Title of the video	Video Link
1.	S.K.Kabilesh	ECE	EPROM Interface With LPC2148	<a href="https://www.youtube.com/watch?v=Z5vWSGpPejY&amp;ab_channel=TECHTRENDSTAMIL">https://www.youtube.com/watch?v=Z5vWSGpPejY&amp;ab_channel=TECHTRENDSTAMIL</a>
2.	S.K.Kabilesh	ECE	REAL TIME CLOCK INTERFACING	<a href="https://www.youtube.com/watch?v=H5XNRJrMaAY&amp;ab_channel=TECHTRENDSTAMIL">https://www.youtube.com/watch?v=H5XNRJrMaAY&amp;ab_channel=TECHTRENDSTAMIL</a>
3.	A.StephenSagayaraj	ECE	INTRODUCTION TO MATLAB	<a href="https://www.youtube.com/watch?v=FkujvcM3ewU&amp;ab_channel=TECHTRENDSTAMIL">https://www.youtube.com/watch?v=FkujvcM3ewU&amp;ab_channel=TECHTRENDSTAMIL</a>
4.	J.Paruvathavardhini	ECE	SR LATCH USING NOR LOGIC	<a href="https://www.youtube.com/watch?v=fF80Q0YTVyY&amp;t=335s&amp;ab_channel=paruvathavardhiniaganathan">https://www.youtube.com/watch?v=fF80Q0YTVyY&amp;t=335s&amp;ab_channel=paruvathavardhiniaganathan</a>
5.	J.Paruvathavardhini	ECE	COMPARISON OF COMBINATIONAL CIRCUIT AND SEQUENTIAL CIRCUIT	<a href="https://www.youtube.com/watch?v=zaqIvAEj8Uc&amp;ab_channel=paruvathavardhiniaganathan">https://www.youtube.com/watch?v=zaqIvAEj8Uc&amp;ab_channel=paruvathavardhiniaganathan</a>
6.	J.Paruvathavardhini	ECE	CAPACITY OF FADING AND NON FADING CHANNELS IN MIMO	<a href="https://www.youtube.com/watch?v=ee9xBX4Tpn0&amp;ab_channel=paruvathavardhiniaganathan">https://www.youtube.com/watch?v=ee9xBX4Tpn0&amp;ab_channel=paruvathavardhiniaganathan</a>
7.	J.Ashok	CIVIL	QUANTITY OF BUILDING MATERIAL FOR BUILDING   QUANTITY OF CEMENT   QUANTITY OF BRICK CALCULATION	<a href="https://www.youtube.com/watch?v=WbddS5YGWac&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=WbddS5YGWac&amp;ab_channel=CivilEngineersGuide</a>
8.	J.Ashok	CIVIL	HOW TO CALCULATE WEIGHT OF STEEL IN KG PER FEET/ PER METER/ PER BAR / PER BUNDLE.	<a href="https://www.youtube.com/watch?v=hAGtCR4LYYA&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=hAGtCR4LYYA&amp;ab_channel=CivilEngineersGuide</a>
9.	J.Ashok	CIVIL	EARTHWORK ESTIMATION - COST PER CFT IN TAMIL	<a href="https://www.youtube.com/watch?v=jzluSbdHIN8&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=jzluSbdHIN8&amp;ab_channel=CivilEngineersGuide</a>
10.	J.Ashok	CIVIL	BASEMENT (SOIL FILLING AND CONSOLIDATION)	<a href="https://www.youtube.com/watch?v=YT1JIYNwYc&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=YT1JIYNwYc&amp;ab_channel=CivilEngineersGuide</a>
11.	J.Ashok	CIVIL	STRUCTURAL INSULATED PANELS (SIP)   QUALITY PANELS FOR WALLS, ROOF AND FLOORS   SIP COST   EPS	<a href="https://www.youtube.com/watch?v=AYb0xT9u3Tw&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=AYb0xT9u3Tw&amp;ab_channel=CivilEngineersGuide</a>

12.	J.Ashok	CIVIL	WATER CEMENT RATIO IN CONCRETE	<a href="https://www.youtube.com/watch?v=F6Op2Kr_XfA&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=F6Op2Kr_XfA&amp;ab_channel=CivilEngineersGuide</a>
13.	J.Ashok	CIVIL	CEMENT MORTAR RATIO AND USAGE	<a href="https://www.youtube.com/watch?v=rCyqNTV2AoY&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=rCyqNTV2AoY&amp;ab_channel=CivilEngineersGuide</a>
14.	T.Sadhanandham	CIVIL	CAN WE CONSTRUCT NEW HOUSE OVER 20 YEARS OLD BUILDING	<a href="https://www.youtube.com/watch?v=JmiCgYKdHY&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=JmiCgYKdHY&amp;ab_channel=CivilEngineersGuide</a>
15.	T.Sadhanandham	CIVIL	CUTTING LENGTH OF CHAIR BAR IN SLAB & FOOTINGS - BBS (BAR BENDING SCHEDULE)	<a href="https://www.youtube.com/watch?v=iT7w7umG72c&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=iT7w7umG72c&amp;ab_channel=CivilEngineersGuide</a>
16.	T.Sadhanandham	CIVIL	HOW TO CALCULATE LAND AREA IN AUTO CADD   HOW TO CALCULATE AREA OF IRREGULAR SHAPE   AREA COMMAND	<a href="https://www.youtube.com/watch?v=lfudAOZ7rdU&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=lfudAOZ7rdU&amp;ab_channel=CivilEngineersGuide</a>
17.	T.Sadhanandham	CIVIL	HOW TO CALCULATE LAND AREA IN AUTO CADD   HOW TO CALCULATE AREA OF IRREGULAR SHAPE   AREA COMMAND	<a href="https://www.youtube.com/watch?v=lfudAOZ7rdU&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=lfudAOZ7rdU&amp;ab_channel=CivilEngineersGuide</a>
18.	T.Sadhanandham	CIVIL	HOW LOAD TRANSFER FROM SLAB TO FOUNDATION    LOAD PATH OF BUILDING	<a href="https://www.youtube.com/watch?v=lxqghk96K0&amp;ab_channel=CivilEngineersGuide">https://www.youtube.com/watch?v=lxqghk96K0&amp;ab_channel=CivilEngineersGuide</a>
19.	S.Menaga	ECE	VOLTAGE, CURRENT, RESISTANCE, POWER	<a href="https://www.youtube.com/watch?v=PFOL7waFhbE&amp;ab_channel=MenagaS">https://www.youtube.com/watch?v=PFOL7waFhbE&amp;ab_channel=MenagaS</a>
20	S.Menaga	ECE	PLC PROGRAMMING FOR CAR PARKING AT BASEMENT.	<a href="https://www.youtube.com/watch?v=NCdpsxJzCYI&amp;ab_channel=MenagaS">https://www.youtube.com/watch?v=NCdpsxJzCYI&amp;ab_channel=MenagaS</a>
21	S.Menaga	ECE	PLC PROGRAMMING FOR MATHEMATICAL FUNCTION.	<a href="https://www.youtube.com/watch?v=IPtHyK7dWF0&amp;ab_channel=MenagaS">https://www.youtube.com/watch?v=IPtHyK7dWF0&amp;ab_channel=MenagaS</a>
22	S.Menaga	ECE	AUTOMATIC CAR PARKING USING PLC	<a href="https://www.youtube.com/watch?v=7yVUBG1po78&amp;ab_channel=MenagaS">https://www.youtube.com/watch?v=7yVUBG1po78&amp;ab_channel=MenagaS</a>

#### 4. Coaching Classes for Slow Learners

##### PROCESS FLOW CHART

##### METHODOLOGIES TO SUPPORT ADVANCED LEARNERS AND SLOW LEARNERS



## Induction Programme



**Chief Guest**  
M.RajaShanmugham  
President,  
Tirupur Exporters Association



## Advanced Learners – Motivational Activities for Advanced Learners



**Motivation Talk by Dr.C.SylendraBabu IPS,  
DGP ...in online mode.**



**HR Conclave (You 2.0) to motivate students in  
Placement activities**



**Motivational Talk in the topic of “Welcome to  
players with right attitude”**

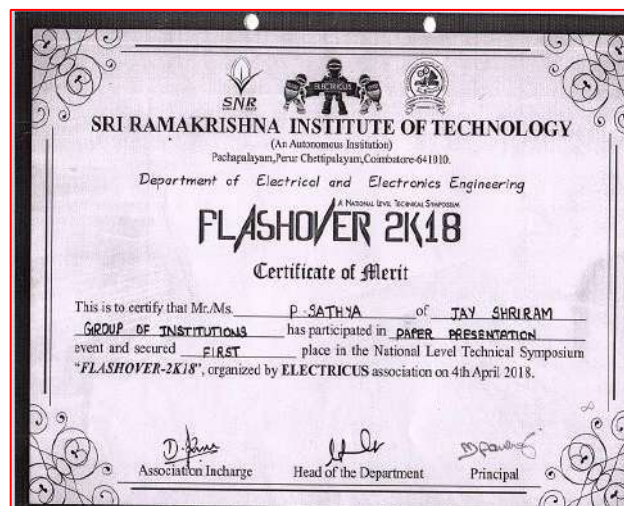


**Motivational Speech by Dr.G.S.Ayyappan-  
Scientist- CSIR**

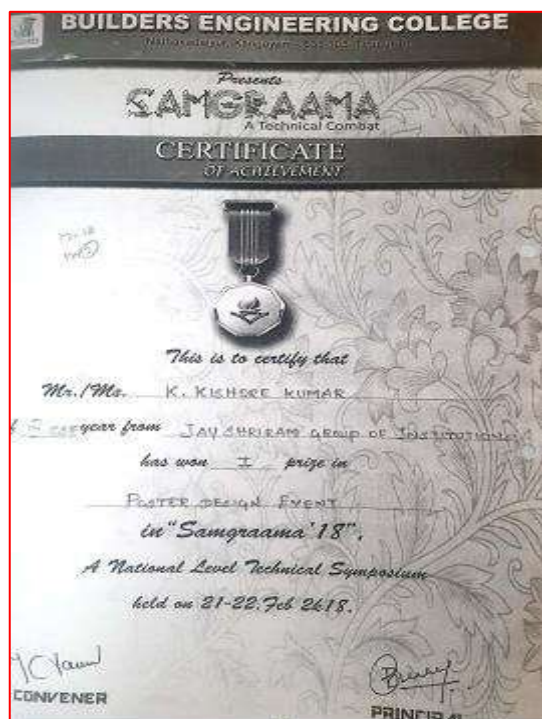
## Participation of workshop, Seminar, Conference



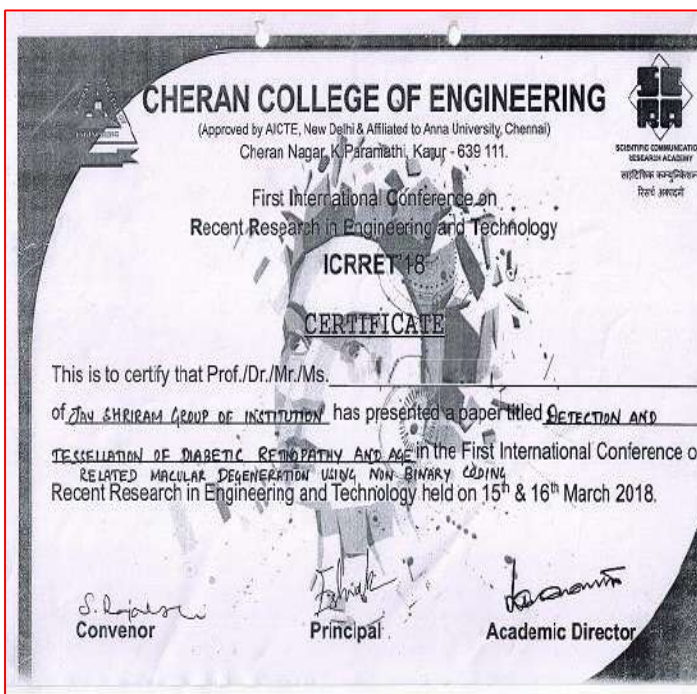
Participation in Workshop to improve the technical skill



Participation in paper presentation



Participation in Poster Design



Participation of students in Conference



### *An Experimental Investigation of Water Quality in Mooli Lake*

*D. Ashokkumar \*, T. Sathanandham \*, A. Shajahan, E. Mathiarasan, B. Suresh Kumar*

*Assistant Professor\*, Student*

*Department of Civil Engineering*

*Jai Shriram Engineering College*

*Corresponding Author's email id: ashokkumar@live.in*

#### **Abstract**

Tirupur is one of the rapid urbanization and industrialization some percentage of water is been polluted due to chemical waste distributed out in the lake. The paper studies about lake Mooli kulam in the Tirupur city. The study analysis the physical and chemical parameters of lakes and evaluate the water quality parameters. The pH of pure water is 7. In general, water with a pH lower than 7 is considered acidic, and with a pH greater than 7 is considered basic. The normal range for pH in surface water systems is 6.5 to 8.5, and the pH range for lake water systems is 8. Living organisms, especially aquatic life, function best in a pH range of 6 to 9. The various parameters are investigated in lake of Mooli kulam for period of four months and seasonal fluctuations are considered for the physical and chemical characteristics are considered separately. The lakes area slowly turning into disposal site. The results are revealed with presence of heavy metals, low dissolved oxygen (DO) all over the lakes. The main problem in both lakes has arisen due to discharge sewage of domestic sewage effluents from upstream and surrounding residential areas, the lakes fall under hard water category. The various parameters are investigated in lake of Mooli Kulam for a period of 4 months and hence identified whether the water is suitable for agricultural or any other purpose.

**Keywords:** Mooli kulam, Domestic sewage effluents, Aquatic plants



Innovative Infrastructure Solutions (2018) 3:59  
<https://doi.org/10.1007/s41862-018-0157-0>

## TECHNICAL NOTE



## Beneficiated pozzolans as cement replacement in bamboo-reinforced concrete: the intrinsic characteristics

Shanmugam Karthik<sup>1</sup> · Ram Mohan Rao<sup>1</sup> · Paul Awoyera<sup>2</sup> · Isaac Akinwumi<sup>3</sup> · Tani Karthikeyan<sup>1</sup> · Appukutty Revathi<sup>2</sup> · Jothilharathi Mathivanan<sup>1</sup> · Volamani Manikandan<sup>3</sup> · Subramaniyan Saravanan<sup>1</sup>

Received: 27 March 2018 / Accepted: 22 May 2018  
 © Springer International Publishing AG, part of Springer Nature 2018

### Abstract

The use of concrete containing supplementary cementitious materials has gained popularity as an eco-efficient and sustainable alternative to a number of concrete applications. In this study, beneficiated pozzolans, ground granulated blast furnace slag (GGBS) and metakaolin (MK), were used as partial replacement of ordinary Portland cement in bamboo-reinforced concrete. In the mixtures, river sand and granite were used as fine and coarse aggregates, respectively. The compressive strength of concrete cubes, split-tensile strength of concrete cylinders, and flexural strength of reinforced concrete beams were determined after stipulated curing regimes. The morphology and mineralogy of bamboo and selected concrete mixtures were obtained using scanning electron microscope and X-ray diffraction, respectively. The concrete samples having blended cement were found to have better compressive and split-tensile strength than those made with conventional binder. Also, the mechanical characteristics of the samples improved up to 40% GGBS substitution. However, steel-reinforced concrete developed better flexural strength than the bamboo-reinforced concrete (BRC). The study recommends pretreatment of bamboo to ensure its adequate bonding with the cement paste, so as to achieve optimum performance of BRC.

**Keywords** Bamboo reinforcement · Metakaolin · Steel reinforcement · Steel slag · Strength properties

### Introduction

The rate of concrete consumption all over the world is expected to increase in the coming years; this is due to the rapid growth in population, urbanization and changing life-style. Thus, there is currently a growing demand for concrete to be produced using alternative materials, which are sustainable and environmental friendly. Concrete is the most used construction material, and its high consumption rate has retrospectively influenced its cost of production. The continual reliance on the conventional materials is resulting into depletion and scarcity of materials, and as a result, other

alternative materials, having similar characteristics as the natural materials, are being proposed.

Previous studies [1–7] have investigated various alternative materials, such as fly ash, ground granulated blast furnace slag (GGBS), *Cordia alliodora* ash, and rice husk ash, as admixtures or partial replacement for OPC. Thus, it has been revealed that these alternative materials are suitable for making blended cement for the production of normal weight concrete. Aside binders, alternative aggregates such as ceramic tiles [8–10], and steel slag [11–13] have been suggested as alternatives to fine and coarse natural aggregates. The aforementioned studies have revealed that the alternative aggregates showed similar characteristics as the conventional materials.

Steel reinforcement is the most used in concrete for construction of load-bearing structures. Steel is required for reinforcing concrete in order to take care of weak tensile strength of concrete. However, steel is exorbitant in price and non-renewable [14]. Therefore, alternative materials such as bamboo have recently been used as a low cost and sustainable alternative for steel, generally because of its good ductility and tensile strength. According to

Paul Awoyera  
 paul.awoyera@cosensatuniversity.edu.ng

<sup>1</sup> Center for Disaster and Mitigation and Management, VIT University, Vellore 632 014, India

<sup>2</sup> Department of Civil Engineering, Cosensat University, PMB 1023, Ota, Nigeria

<sup>3</sup> Jay Shrinani Group of Institutions, Tirupur 638 660, India



International Journal for Research in Applied Science & Engineering Technology (IJRASET)  
ISSN: 2321-9633, IC Value: 45.98, SJ Impact Factor: 7.177  
Volume 8 Issue 02 Feb 2020- Available at www.ijraset.com

## Automatic Plant Irrigation System using Arduino

S. Dharam<sup>1</sup>, P. Gayathri<sup>2</sup>, M. Muthukumar<sup>1</sup>, A. Stephen Sagayaras<sup>4</sup>

<sup>1,2,3</sup>Student, Department of Electronics and Communication Engineering, Jalalabram Engineering College, Arivankuppalam,  
Tirupur, Tamilnadu.

<sup>4</sup>Assistant Professor, Department of Electronics and Communication Engineering, Jalalabram Engineering College,  
Arivankuppalam, Tirupur, Tamilnadu

**Abstract:** Water plays an important role not only for human beings but also for plants and animals. The world today faces a common problem of water inadequacy. The agricultural sector faces more water loss due to denuding of water through excess irrigation. Hence we are in need to develop an automatic irrigation system that would sense the moisture content of the soil and would automatically irrigates the plants accordingly. This could be made possible by using a soil moisture sensor, arduino, LCD display, and a motor pump. If the moisture of the soil is less, the percentage of moisture content will be displayed on the LCD screen and according to the predefined level, water will be irrigated to the soil. The major application of using this methodology is, it can be effectively used to reduce water loss and save your time in all major scopes of agriculture.

**Keywords:** Arduino, Soil moisture sensor, LCD display, Motor pump, Automatic irrigation system.

### I. INTRODUCTION

The ultimate aim of proposing this methodology is to irrigate water to the plants automatically according to the dryness of the soil. Considering the scenario of being out of home for several days, our plants would become dry without water. Unless, the scope for rain in this situation, there would be no other way to supply water without human hands. But if an automatic irrigation system is installed in our agricultural field, the system will spontaneously supply water according to the moisture content of the crop. Nowadays a lot of new emerging technologies reduced this risk in agricultural field. The wireless sensor can be used to supply water based on specific irrigation techniques [1]. A low cost microcontroller might be used to monitor the temperature of our field crops [2]. Enrichment of water in the land can assist in the growth of plants [3]. Real-time online soil water monitoring is also made possible through advancement in Research and technology [4]. Greenhouse management could be accomplished using wireless network infrastructure [5]. Theoretical and practical aspects of military wireless sensor networks could effectively be used in horticulture and in any fields of agricultural surveillance [7]. Sensors always gives output in analog nature. But the results what we expect is needed to be in digital form. The analog to digital converter pin which is embedded in the controller will transform this analog signal into a digital output [8]. Considering a variety of irrigation techniques, sprinkler irrigation methods have a sprinkler at the top of the setup [9] but this method of irrigation tends to quite large loss of water in consideration with drip irrigation. The controller present in the system of automatic irrigation decides when the motor should be turned OFF or ON according to the moisture content displayed by the LCD screen [10]. The automatic irrigating methodology is more reliable when compared to other systems and also has a lot of advantages. For instance, this system saves time, saves labor costs, saves water, covers whole area of the field, and it is easy to control.

### II. BLOCK DIAGRAM

The block for automatic irrigation system consists of power supply, arduino UNO, a motor pump (DC), a soil moisture sensor, and a power supply.

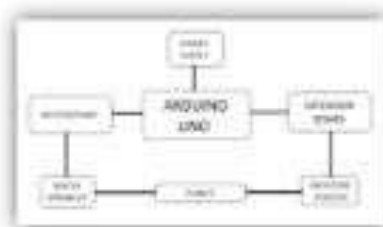


Figure 1 – Block diagram

## Proposal for Funding Agencies

தமிழ்நாடு அறிவியல் தொழில்நுட்ப மந்திரி மன்றம்  
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
(Established by Government of Tamilnadu)  
Directorate of Technical Education Campus, Chennai – 600 025.  
Ph : 044-22301426, Telefax : 044-22301552 www.tanscat.nic.in

Dr.R.SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S.(USA),  
Member Secretary

Lr.No TNSCST/SPS/AR/2019-2020 18.03.2020

To  
The Principal  
Jai Shriram Engineering College  
Tirupur - 638 660

Sir/Madam,


Sub: TNSCST – Student Project Scheme – 2019-2020 – approval  
intimation-grant release- reg.

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and Seminar Paper in Time.

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest


Kindly send the utilisation certificate (format enclosed) and seminar paper (ref.T&C-no.5&6) on completion of the project.

Thanking you,

Yours faithfully,  
  
Member Secretary.

Encl: a) Terms & Conditions (T&C)  
b) Format of Utilisation Certificate (UC)  
c) Cheque for Rs.15000/- No: 852947 dt:18.03.2020

Copy to: Individual Guides

 **इंडियन बैंक**  
**Indian Bank**

Branch : DOTE CAMPUS  
DOTE OFFICE BUILDINGS  
GUINDY, CHENNAI  
IFS Code : IDIB000D050

A/c. Payee Only

VALID FOR THREE MONTHS ONLY  
18 03 20 20  
D D M M Y Y Y Y

PAY The Principal, Jai Shriram Engineering College, Tirupur

या धारक को OR BEARER

RUPEES रुपये Fifteen Thousand only

अदा करें ₹ 15,000/-


खा.स.  
A/c No. SB 479135159

FOR MEMBER SECRETARY TN STATE COUNCIL SCIENCE AND TE

CBS Code: 01636

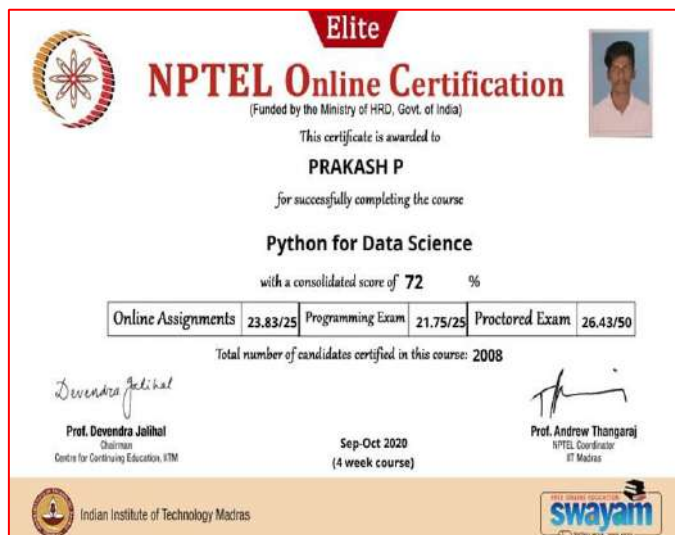
992000075

PAYABLE AT PAR AT ALL OUR BRANCHES

  
AUTHORISED SIGNATORY  
Please sign above

⑈852947⑈ 6000191191 135159⑈ 31





Secured 72% in Nptel Online Certification  
 Name: PPrakash  
 Dept: ECE  
 Subject: Python for Data Science  
 Percentage: 72

Secured 57% in Nptel Online Certification  
 Name: SBhagavathi  
 Dept: CSE  
 Subject: Joy of Computing using Python  
 Percentage: 57

### Competitive Exam

### GATE Exam admit card

S5 (FN)	Admit Card		GATE 2021
	Registration Number	CS21S57319174	Date
	Name	SUNISH MADHU	Day
	GATE 2021 Paper	CS: Computer Science and Information Technology	Time
	Date: 13 February 2021		
Photo ID: PAN Card		Examination Centre:	
ID: EJLPM9234A		Centre Code: 7319	
Prof. Deepankar Choudhury Organising Chairperson, GATE 2021 (on behalf of NCB - GATE, for MoE)		IDZ Coimbatore II Pritisham Technologies, Akshaya Institute of Management Studies No. 209/1B, Premier Nagar, Othakkalmandapam via Coimbatore, Tamil Nadu - 641032	

GATE 2021	Admit Card		S6 (AN)
	Registration Number	CS21S67317017	Date
	Name	SURYA PRAKASH	Day
	GATE 2021 Paper	CS: Computer Science and Information Technology	Time
	Date: 13 February 2021		
Photo ID: Aadhaar ID		Examination Centre:	
ID: XXXX XXXX 3546		Centre Code: 7317	
Prof. Deepankar Choudhury Organising Chairperson, GATE 2021 (on behalf of NCB - GATE, for MoE)		IDZ Thondamuthur Coimbatore Centre-2 Ranganathan Engineering College, REG Katir Nagar Yrathur Post, Thondamuthur via Coimbatore, Tamil Nadu - 641109	

## Coaching Class for Slow Learners

### Competitive Exam

<b>S5 (FN)</b>		<b>Admit Card</b>			
	Registration Number	CS21S57318045	Date	13 February 2021	
	Name	GOGUL K	Day	Saturday	
	GATE 2021 Paper	CS: Computer Science and Information Technology	Time	09:30 to 12:30 Hrs	
		Photo ID: Aadhaar ID		<b>Examination Centre:</b> Centre Code: 7318 IDZ Thondamuthur, Coimbatore Centre-3 Rangarathan Engineering College, REC Kahi Nagar Viraliyur Post, Thondamuthur via Coimbatore, Tamil Nadu - 641109	
		ID: XXXX XXXX 8000		 <small>1FCFD0B03A73B0C4610F832DA79F</small>	
 Prof. Deepankar Choudhury Organising Chairperson, GATE 2021 (on behalf of NCB - GATE, for MoE)					

<b>S5 (FN)</b>		<b>Admit Card</b>			
	Registration Number	CS21S57319122	Date	13 February 2021	
	Name	MOHANAPRIYA K	Day	Saturday	
	GATE 2021 Paper	CS: Computer Science and Information Technology	Time	09:30 to 12:30 Hrs	
		Photo ID: Aadhaar ID		<b>Examination Centre:</b> Centre Code: 7319 IDZ Coimbatore II Prisdham Technologies, Akshaya Institute of Management Studies No. 209/1B, Premier Nagar, Othakkaimandapam via Coimbatore, Tamil Nadu - 641032	
		ID: XXXX XXXX 6432		 <small>0819E9180A71EE75770C6275FC6A1E1</small>	
 Prof. Deepankar Choudhury Organising Chairperson, GATE 2021 (on behalf of NCB - GATE, for MoE)					

<h1 style="margin: 0;">GATE 2017 Scorecard</h1> <h2 style="margin: 0;">Graduate Aptitude Test in Engineering</h2>			
Candidate Details	Name	E. MADHU VASAKI	
	Registration Number	CE17S77077066	
	Examination Paper	Civil Engineering (CE)	
	  (Candidate's Signature)		
Performance	Mark out of 100*	29.63	
	Qualifying Marks**	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px 5px;">28.7</div> <div style="border: 1px solid black; padding: 2px 5px;">25.8</div> <div style="border: 1px solid black; padding: 2px 5px;">19.1</div> </div> <div style="display: flex; justify-content: space-around; font-size: small;"> <span>General</span> <span>OBC (NCL)</span> <span>SC/ST/PwD</span> </div>	
	GATE Score	359	
		Valid from March 26, 2017 to March 26, 2020	
		All India Rank in this paper <span style="border: 1px solid black; padding: 5px 10px;">16391</span>	
		Total Number of Candidates <span style="border: 1px solid black; padding: 5px 10px;">129225</span>	
<div style="font-size: x-small;">             *Normalized marks for multiple-choice papers              ** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable is produced along with this scorecard.           </div>			
Digital Fingerprint: 22f469c0a54cb9b73a3b600d8963ddad <small>Organising Chairperson, GATE 2017 on behalf of NCB-GATE, for MHRD</small>		<div style="display: flex; justify-content: space-between;"> <div> <b>March 26, 2017</b>            Organizing Chairman, GATE 2017 on behalf of NCB-GATE, for MHRD         </div> <div style="text-align: right;">             Prof. Govind Joseph Chakrapani         </div> </div>	



# JAI SHRIRAM

## ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)  
Dharapuram Road, Avinashipalayam, Tirupur – 638 660.

Ref: JSR/Faculty/General/19-20/177

Date: 16.03.2019

### CIRCULAR - SPECIAL CLASS SCHEDULE

Considering the arrear subjects of schedules in 2013 and 2017 regulation, a timetable has been prepared with requesting 1<sup>st</sup> year S&H faculty the handle. The students are asked to register their names with S&H HOD for effective conduct of special classes.

#### REGULATION-2013

DATE	HALL NO	HOURS							
		1	2	3	4	5	6	7	8
06.04.2020	MBT01	EM-I (R.Vetriselvi/P.Baskar)				EP-I (P.Sivakumar)			
07.04.2020	MBT01	EP-I (P.Sivakumar)				EM-I (T.Yamuna/N.Premalatha)			
08.04.2020	MBT01	EP-II (S.Arul)				EM-II (P.Baskar/N.Premalatha)			
09.04.2020	MBT01	EM-II (R.Vetriselvi/M.Sangeetha)				EP-II (S.Arul)			
10.04.2020	MBT01	TPDE (T.Yamuna/ M.Sangeetha)				EC-I (R.Kumaresan)			
11.04.2020	MBT01	EC-I (C.Chelladurai)				TPDE (P.Baskar/N.Premalatha)			
13.04.2020	MBT01	EC-II (J.Kavitha)				EC-II (R.Kumaresan)			

#### REGULATION-2017

DATE	HALL NO	HOURS							
		1	2	3	4	5	6	7	8
06.04.2020	MBT02	EM-I (M.Sangeetha/T.Yamuna)				EC (C.Chelladurai)			
07.04.2020	MBT02	EC (J.Kavitha)				EM-I (R.Vetriselvi/P. Baskar)			
08.04.2020	MBT02	EVS (R.Kumaresan)				EM-II (T.Yamuna/R.Vetriselvi)			
09.04.2020	MBT02	EM-II (N.Premalatha/M.Sangeetha)				EP (S.Arul)			
10.04.2020	MBT02	TE (S.Kavitha)				EVS (J.Kavitha)			
11.04.2020	MBT02	MS (S.Arul)				PIS /PEE (P.Sivakumar/ S.Arul)			
13.04.2020	MBT02	CE (T.Kokilavani)				PCE (P.Sivakumar)			

HOD/S&H



Principal

## Coaching Class Schedule and Mark list for Slow Learners

S.NO	REG.NO.	NAME	SS	ECI	LAPDE	CSE	FODS	DE
1	711218106004	ESWARAN K	18	12	10	15	12	14
2	711218106008	GOPINATHAN G.	17	13	08	14	14	15
3	711218106011	INDRAJAM	20	12	06	13	16	18
4	711218106023	NARESH M	22	11	07	12	17	17
5	711218106023	NAVEENAN	12	12	12	15	12	12
6	711218106024	NEELAKANDANG	16	12	14	14	11	15
7	711218106028	PRABHU P	14	12	13	15	10	14
8	711218106032	PRIVAK	12	11	10	17	13	16
9	711218106041	SUSMITHA S	17	12	14	15	17	18
10	711218106044	VANITHAS	16	12	15	14	18	20
11	711218106045	VENKATACHALAPATI	14	12	12	14	20	16

CSE: Need to practice more Problems.

ECI: Need improvement in circuit Diagram. Materials will be provided for easy understanding.

LAPDE: Important problem are given to practice more.

DE: Students are advised to do the home work regularly.


PE: Important problem are given to practice more.

FODS: Need to practice program logic.

J.M.L.  
HOD/ECI



## Coaching Class for Slow Learners



**JAI SHRIRAM**  
ENGINEERING COLLEGE  
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)  
Dharapuram Road, Avinashipalayam, Tirupur – 638 660.

Ref: JSR/Faculty/General/19-20/155 Date: 18.02.2020

**CIRCULAR – HODs and All Faculty Members**

**Coaching Classes**


The 2<sup>nd</sup> Internal Test will be from 03.03.2020 to 05.03.2020. The portions for the 2<sup>nd</sup> internal test is 3<sup>rd</sup> and 4<sup>th</sup> units (for the 2<sup>nd</sup> & 3<sup>rd</sup> years)


As per the finalised time table, the coaching classes has been commenced for the needy students by the respective departments.


All the HODs and Faculty members are asked to give high priority to these coaching classes.

For the coaching classes, please ensure that the students have to study important Q&A of part A, B & C up to 4 units without fail. Provide the students with necessary guidance and notes.

Proper care and personalised approach to these needy students are highly appreciated. Also monitor and guide the students for the continuous learning.

  
Director (R&D) 18/2/20




  
Principal 18/2/20

Copy to:

1. The Management for information please
2. HoDs to circulate among all faculty members
3. Office
4. File

## Coaching Class in Hostel



**JAI SHRIRAM**  
ENGINEERING COLLEGE  
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)  
Dharapuram Road, Avinashipalayam, Tirupur – 638 660.

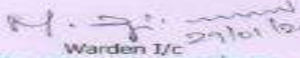
Ref: JSR/Faculty/General/19-20/144 Date: 29.01.2020


**CIRCULAR – Hostel Students**


**Study hour : 08.30 pm – 10.30 pm**


All the hostellers are instructed to utilise 08.30pm to 10.30pm as study hour / silence hour every day.

During this period, all are asked to focus on subject related preparation. Cell phone usage during this period is prohibited. If any one found using cell phones, then the cell phones will be confiscated.

  
Warden I/c 29/01/2020



  
Director (R&D) 29/1/20

  
Principal 29/1/20

Copy to:

1. The Management for information please
2. HoDs to circulate among all faculty members
3. Office
4. File

Boys & Girls Hostel

## Entrepreneur Details

Name :Mr.Krishnakumar

Batch : 2012-2016

Branch:ECE

Company Name & Address: DOUBLE DOT  
MARKETING AND PROMOTION

Year of Establishment:

Type of Industry: Electronics marketing

List of products or service offered

Evidence :(Attach Business Card or Company  
Brochure)



Name :Mr.V.Manikandan

Batch : 2012-2016

Branch:ECE

Company Name & Address: NEW GEN

Year of Establishment:

Type of Industry: SALES AND SERVICE



List of products or service offered

Evidence :(Attach Business Card or  
Company Brochure)





## Entrepreneur Details

<p>Name : Mr. S. Madhan prabhu</p> <p>Batch : 2012-2016</p> <p>Branch:ECE</p> <p>Company Name &amp; Address:</p> <p>Year of Establishment:</p> <p>Type of Industry:</p> <p>List of products or service offered</p> <p>Evidence :( Attach Business Card or Company Brochure)</p>	<p>Name :Ms. A.Nivetha</p> <p>Batch : 2013-2017</p> <p>Branch:ECE</p> <p>Company Name &amp; Address:</p> <p>Year of Establishment:</p> <p>Type of Industry:</p> <p>List of products or service offered</p> <p>Evidence :( Attach Business Card or Company Brochure)</p>
 <p>The image shows a yellow business card for N. Sankar Kumar. It includes contact numbers 9965964757 and 9486964757, and 9095672878. The text is in Tamil, mentioning 'மாசானியம்மன் கன்ஸ்ட்ரக்ஷன்ஸ்' (Masaniyamman Construction) and listing services like drainage, water supply, and construction work. There are small photos of construction sites.</p>	 <p>The image shows a green business card for A. Nivetha B.E., M.B.A. It includes the contact number 9750141465. The text is in English, mentioning 'we are on sale in store and online' and 'NESH TRENDS'. It lists products: women's wear, Men's wear, kids wear, and Home utilities. There is a logo with two green leaves.</p>

## 5. Signing of MOUs

Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years

S.No.	Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web links year-wise
1	Sunshiv Electronics Solutions, Coimbatore	2019-2020	5 Years	Industrial Seminar
2	CaddCenter,Tirupur	2019-2020	5 Years	Workshop and seminar
3	XPLORE IT CORP,Coimbatore	2019-2020	5 Years	Students Workshop
4	Vanam Foundation, Palladam	2019-2020	3 Years	Tree Plantation Program and social activities
5	Adroit Power Systems India Pvt Ltd Coimbatore	2019-2020	5 Years	Industrial projects
6	Mas solar System Pvt Ltd,Coimbatore	2019-2020	2 Years	Workshop, Seminar and industrial Training program
7	Mars Academy,Coimbatore	2018-2019	5 Years	Workshop for students and faculty
8	Aveon Infotech Pvt.Ltd,Coimbatore	2018-2019	3 Years	Consultancy and Internship Training
9	Prime bio medical system,Tirupur	2018-2019	5 Years	Faculty industrial training

10	New Technology,Coimbatore	2018-2019	5 Years	Workshop and hands on training
11	Powerup cloud,Coimbatore	2017-2018	3 Years	Seminars and Guest lecture
12	PR Automation Pvt Ltd,Coimbatore	2017-2018	1 Year	Faculty and Students industrial training
13	RA Fax and Services,Coimbatore	2016-2017	1 Year	Placement, Inplant training and Internship
14	Sky Tech Builders,Coimbatore	2016-2017	1 year	Placement ,In plant training

## 6. Sports

### Carrom relaxes the mind of the students





**GYM facility encourages the girl students**



**Certificates were provided for the winners**



## Cricket Match



**Zonal Sport Medals were provided for the students on winning the competition**





**Sport winners in Pongal Celebration were honored**



## Certificate of Merit



### Marchpast on Sports Day





### Holding Olympic Torch



## Certificate distribution to the Winners





**Running competition was organized on sports day**



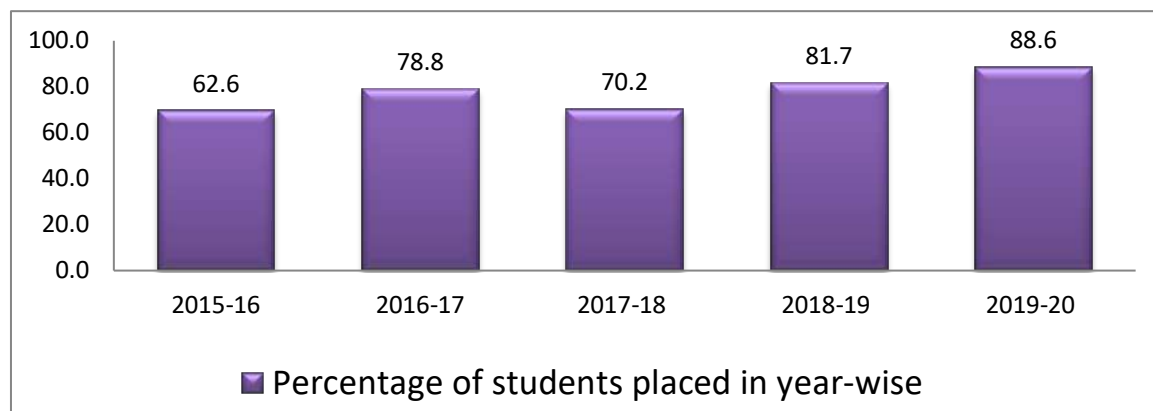
## 7. Placement Training

### TRAINING AND PLACEMENT CELL

#### Index

5.2.1 Average percentage of placement of outgoing students during the last five years (10)

Academic year	2015-16	2016-17	2017-18	2018-19	2019-20
No. of students placed	194	263	187	233	167
Percentage of students placed	62.6	78.5	70.6	82.0	89.3
Average Salary (LPA)	1.2	1.5	1.5	2	2.25
Highest Salary (LPA)	3.36	3	3.36	2.5	10



## 8. Project Expo

Students invoked their talents on Project Nova.









**School children visited and gained their knowledge on Project nova.**



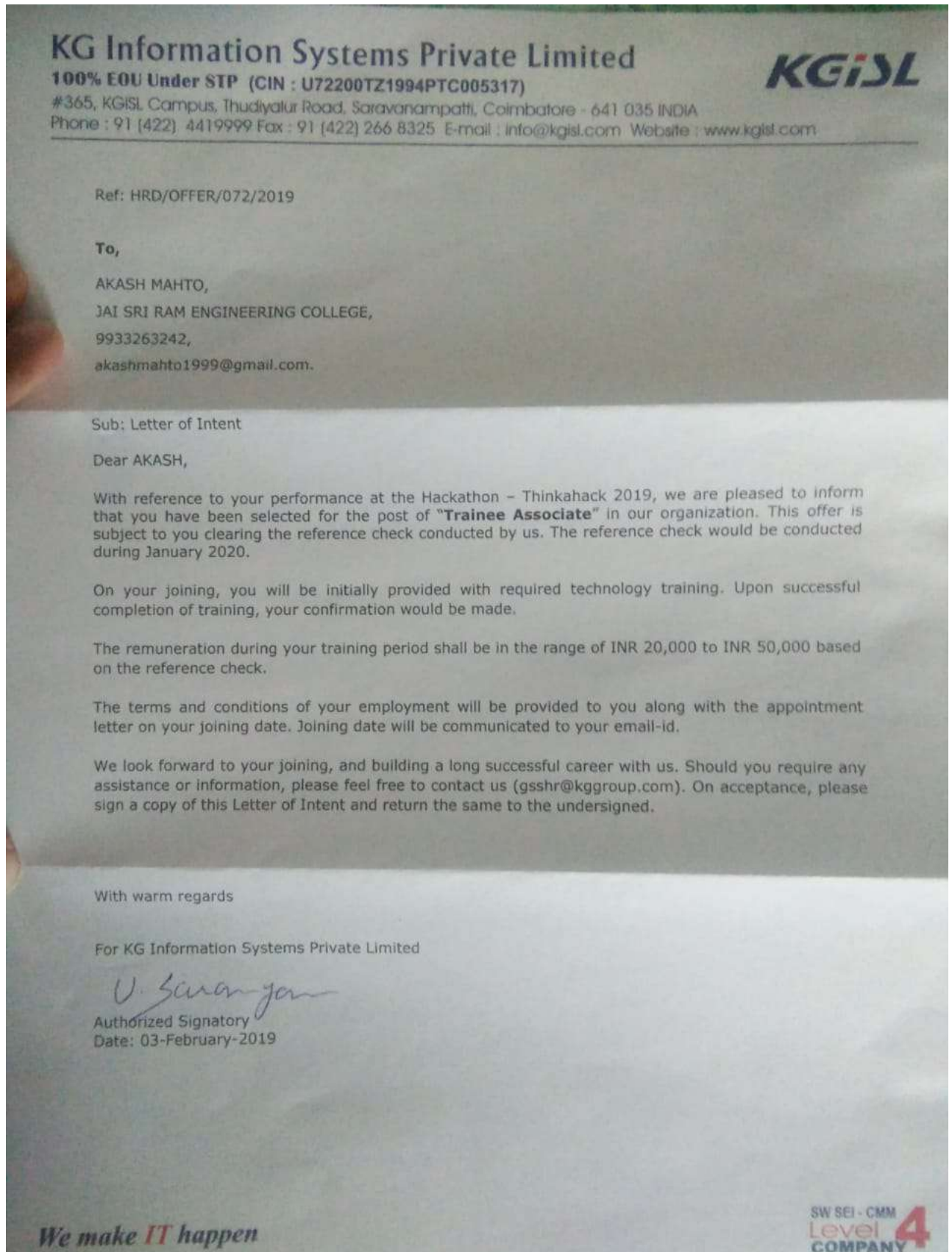


## 9. Institute Innovation Council



Institute Innovation Council has been established for the year 2019-2020

## 10. Hackathon



## 11. AICTE Vishwakarma Awards

9/22/21, 9:45 AM

Gmail - Fwd: Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals



karthik kumar <karthikkumarms@gmail.com>

### Fwd: Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals

1 message

5007 Manimegalai.A <megala90476@gmail.com>  
To: karthikkumarms@gmail.com

Fri, Apr 9, 2021 at 6:56 PM

----- Forwarded message -----

From: SRO Tech <sro.tech@aicte-india.org>

Date: Fri, Apr 9, 2021, 6:31 PM

Subject: Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals

To: <jegan.mech@karpagamtech.ac.in>, <rajasekaran30@gmail.com>, <jeyanthallwin.i@klu.ac.in>, <thangarasu.ece@tagoreiet.ac.in>, <kanagaraj.g.cse@kct.ac.in>, <albert@skcet.ac.in>, <drgulshaniit@gmail.com>, <anandharamakrishnan@iipt.edu.in>, <guruvpm@gmail.com>, <powervijay@gmail.com>, <hemaprabakar18@gmail.com>, <vasukip@ssn.edu.in>, <saravanakumar@stjosephstechnology.ac.in>, <ayyappasnnivasan@mtcc.ac.in>, <madhavanvm@sonatech.ac.in>, <sbm@vcet.ac.in>, <hod.biotechnology@rathinam.in>, <malathi@bitsathy.ac.in>, <priyatharshini.r@eecsrmmp.edu.in>, <divyadarshiniyappan2002@gmail.com>, <karthikkumar@ayshniram.edu.in>, <ersrvelan@gmail.com>, <kuzhali76@gmail.com>, <kavinayav@gmail.com>, <mrivijay.ragavan@gmail.com>, <17meb11@karpagamtech.ac.in>, <moulik2k01@gmail.com>, <swathi.kalidoss@gmail.com>, <prince.sindhu@gmail.com>, <kiruthika.17cs@kct.ac.in>, <18euec074@skcet.ac.in>, <ssk01101999@gmail.com>, <logeshdj04@gmail.com>, <poojamsundaram@gmail.com>, <sujiitharaj2420@gmail.com>, <s.gayathri2002@gmail.com>, <vishnusubramanyam18125@it.ssn.edu.in>, <sdsstk@gmail.com>, <anuranjith17717@gmail.com>, <v.t.deepakarasu1512@gmail.com>, <jyothiswaruban2001@gmail.com>, <manusha7899@gmail.com>, <diyaanchandar.ig19@bitsathy.ac.in>, <sharandeepak.official@gmail.com>, <sureshthetech@gmail.com>, <megala90476@gmail.com>, <vsbcivilvenkat@gmail.com>, <vishwakarmaecensit@gmail.com>, <suren007999@gmail.com>, <vinithavini3006@gmail.com>

Sir/Madam

It is to inform that your application submitted for Chhatra Vishwakarma Awards 2020 has been shortlisted for Regional Convention and Online Evaluation of the proposals has been scheduled on 13th April 2021 from 10.00 a.m. onwards. You are requested to showcase the work done and explain in detail the 'innovation' as claimed, to the expert committee.

You are requested to be ready on 13.04.2021 and the link would be sent to you as per the order of list of the proposals.

#### Technical Section

Southern Regional Office  
All India Council for Technical Education (AICTE)  
Shastri Bhavan, 26 Haddows Road,  
Nungambakkam, Chennai 600 006.  
Landline No. : 044-28275650, 28279998  
Email : sro.tech@aicte-india.org

<https://mail.google.com/mail/u/0/?ik=b14f1742ad&view=pt&search=all&permthid=thread-f%3A1696569522193265033&simpl=msg-f%3A1696569522193265033>

1/1

### **TEAM LEADER**

**Name** : P. SARAVANAN

**Postal address & contact no.** : Jai Shriram Engineering College,  
Avinashipalayam, Dharapuram road, Tirupur,  
638660.  
6379986905.

**Professional address** : Jai Shriram Engineering College,  
Avinashipalayam, Dharapuram road, Tirupur,  
638660.

**Qualification** : Bachelors of Engineering.

**Designation** : Student

**Department** : Mechanical Engineering

**Institute name and address** : Jai Shriram Engineering College,  
Avinashipalayam, Dharapuram road, Tirupur,  
638660.

**Email and contact no.** : [saranp250899@gmail.com](mailto:saranp250899@gmail.com)  
6379986905.

### **TEAM MEMBERS**

**Name** : S. RAHUL

**Postal address & contact no.** : 36,Military colony 1<sup>st</sup> street, Rayapuram main  
road, Tirupur, 641601 .  
9791341297.

**Professional address** : Jai Shriram Engineering College,  
Avinashipalayam, Dharapuram road, Tirupur,  
638660.

**Qualification** : Bachelors of Engineering.

**Designation** : Student

**Department** : Mechanical Engineering

**Institute name and address** : Jai Shriram Engineering College,  
Avinashipalayam, Dharapuram road, Tirupur,  
638660.





karthik kumar &lt;karthikkumarms@gmail.com&gt;

**Fwd: Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals**

1 message

**5007 Manimegalai.A** <megala90476@gmail.com>  
To: karthikkumarms@gmail.com

Fri, Apr 9, 2021 at 6:56 PM

----- Forwarded message -----

From: **SRO Tech** <sro.tech@aicte-india.org>

Date: Fri, Apr 9, 2021, 6:31 PM

Subject: Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals

To: <jegan.mech@karpagamtech.ac.in>, <rajasekaran30@gmail.com>, <jeyanthallwin.i@klu.ac.in>, <thangarasu.ece@tagoreiet.ac.in>, <kanagaraj.g.cse@kct.ac.in>, <albert@skcet.ac.in>, <drgulshaniit@gmail.com>, <anandharamakrishnan@iifpt.edu.in>, <guruvpm@gmail.com>, <powervijay@gmail.com>, <hemaprabakar18@gmail.com>, <vasukip@ssn.edu.in>, <saravanakumarc@stjosephstechnology.ac.in>, <ayyappasrinivasan@mtc.ac.in>, <madhavanvm@sonatech.ac.in>, <sbn@vcet.ac.in>, <hod.biotechnology@rathinam.in>, <malathi@bitsathy.ac.in>, <priyatharshini.r@eec.srmmp.edu.in>, <divyadharshiniyappan2002@gmail.com>, <karthikkumar@jayshriram.edu.in>, <ersrvelan@gmail.com>, <kuzhali76@gmail.com>, <kavinayav@gmail.com>, <mrviyay.ragavan@gmail.com>, <17meb11@karpagamtech.ac.in>, <moulik2k01@gmail.com>, <swathi.kalidoss@gmail.com>, <prince.sindhu@gmail.com>, <kiruthika.17cs@kct.ac.in>, <18euec074@skcet.ac.in>, <ssk01101999@gmail.com>, <logeshdjl04@gmail.com>, <poojamsundaram@gmail.com>, <sujiitharaj2420@gmail.com>, <s.gayathri2002@gmail.com>, <vishnusubramanyam18125@it.ssn.edu.in>, <sdsstk@gmail.com>, <anuranjith17717@gmail.com>, <v.t.deepakarasu1512@gmail.com>, <jyothiswaruban2001@gmail.com>, <manusha7899@gmail.com>, <diwaanchandar.ig19@bitsathy.ac.in>, <sharandeepak.official@gmail.com>, <sureshthamech@gmail.com>, <megala90476@gmail.com>, <vsbcivilvenkat@gmail.com>, <vishwakarmaecensit@gmail.com>, <suren007999@gmail.com>, <vinithavini3006@gmail.com>

Sir/Madam

It is to inform that your application submitted for Chhatra Vishwakarma Awards 2020 has been shortlisted for Regional Convention and Online Evaluation of the proposals has been scheduled on 13th April 2021 from 10.00 a.m. onwards. You are requested to showcase the work done and explain in detail the 'innovation' as claimed, to the expert committee.

You are requested to be ready on 13.04.2021 and the link would be sent to you as per the order of list of the proposals.

**Technical Section**

Southern Regional Office

All India Council for Technical Education (AICTE)

Shastri Bhavan, 26 Haddows Road,

Nungambakkam, Chennai 600 006.

Landline No. : 044-28275650, 28279998

Email : sro.tech@aicte-india.org



saravanan p &lt;saran250899@gmail.com&gt;

## Chhatra Vishwakarma Awards 2020 - Online Evaluation of the proposals

2 messages

**SRO Tech** <sro.tech@aicte-india.org>

Fri, Mar 26, 2021 at 5:57 PM

To: khushi35b@gmail.com, chander.cia005@gmail.com, praneethpavan8404@gmail.com, sivakumar0646@gmail.com, rohit.de2018@vitstudent.ac.in, kann19ec061@rmkct.ac.in, bharathiece.mvit@gmail.com, sharookvit@gmail.com, seenuvasan0708@gmail.com, divyalakshmi9401@gmail.com, princyjoy2001@gmail.com, kashinath.ece@gmail.com, 17117012@student.hindustanuniv.ac.in, saran250899@gmail.com, slogeshmuthumani@gmail.com, mercy.17ee@kct.ac.in, ruthreshwar1710@gmail.com, smitithod@gmail.com, aswa18112.me@rmkec.ac.in, e8ec109@sairamtap.edu.in, e7ec001@sairamtap.edu.in, tharunsethuraman211999@gmail.com, priyadharshiniramadoss05@gmail.com, dhiv18109.it@rmkec.ac.in, harikrishnanav084@gmail.com, yogesh.kumar@vit.ac.in, praveenkumar.mts@kongu.edu, professorvijayece@gmail.com, ltonyraj@gmail.com, nishant.tiwari@vit.ac.in, sathyarajece@rmkct.ac.in, rajeshce@mvit.edu.in, Chitra@avit.ac.in, vallirajendran75@gmail.com, selvameee@francisxavier.ac.in, w.devapriya@gmail.com, smr.yuva@gmail.com, geethadevi@hindustanuniv.ac.in, nirmaldro@gmail.com, kalyanrasu@gmail.com, maithili.p.tee@kct.ac.in, gopiindian555@gmail.com, smiteee2012@gmail.com, pdm.mech@rmkec.ac.in, chitra.ece@sairam.edu.in, prakash.ece@sairam.edu.in, bmp@kongu.edu, kceeeesrkfd@gmail.com, kcb.it@rmkec.ac.in, csmuthuselman@gmail.com

Sir/Madam

It is to inform that your application submitted for Chhatra Vishwakarma Awards 2020 has been shortlisted for Regional Convention and Online Evaluation of the proposals has been scheduled on 1st April 2021 from 10.00 a.m. onwards. You are requested to to showcase the work done and explain in detail the 'innovation' as claimed, to the expert committee. You are requested to be ready on 01.04.2021 and the link would be sent to you as per the order of list of the proposals.

### Technical Section

Southern Regional Office

All India Council for Technical Education (AICTE)

Shastri Bhavan, 26 Haddows Road,

Nungambakkam, Chennai 600 006.

Landline No. : 044-28275650, 28279998

Email : sro.tech@aicte-india.org

**smr yuva** <smr.yuva@gmail.com>

Sat, Mar 27, 2021 at 9:14 PM

To: SRO Tech <sro.tech@aicte-india.org>

Cc: khushi35b@gmail.com, chander.cia005@gmail.com, praneethpavan8404@gmail.com, sivakumar0646@gmail.com, rohit.de2018@vitstudent.ac.in, kann19ec061@rmkct.ac.in, bharathiece.mvit@gmail.com, sharookvit@gmail.com, seenuvasan0708@gmail.com, divyalakshmi9401@gmail.com, princyjoy2001@gmail.com, kashinath.ece@gmail.com, 17117012@student.hindustanuniv.ac.in, saran250899@gmail.com, slogeshmuthumani@gmail.com, mercy.17ee@kct.ac.in, ruthreshwar1710@gmail.com, smitithod@gmail.com, aswa18112.me@rmkec.ac.in, e8ec109@sairamtap.edu.in, e7ec001@sairamtap.edu.in, tharunsethuraman211999@gmail.com, priyadharshiniramadoss05@gmail.com, dhiv18109.it@rmkec.ac.in, harikrishnanav084@gmail.com, yogesh.kumar@vit.ac.in, praveenkumar.mts@kongu.edu, professorvijayece@gmail.com, ltonyraj@gmail.com, nishant.tiwari@vit.ac.in, sathyarajece@rmkct.ac.in, rajeshce@mvit.edu.in, Chitra@avit.ac.in, vallirajendran75@gmail.com, selvameee@francisxavier.ac.in, w.devapriya@gmail.com, geethadevi@hindustanuniv.ac.in, nirmaldro@gmail.com, kalyanrasu@gmail.com, maithili.p.tee@kct.ac.in, gopiindian555@gmail.com, smiteee2012@gmail.com, pdm.mech@rmkec.ac.in, chitra.ece@sairam.edu.in, prakash.ece@sairam.edu.in, bmp@kongu.edu, kceeeesrkfd@gmail.com, kcb.it@rmkec.ac.in, csmuthuselman@gmail.com

I accept the invitation.

[Quoted text hidden]

--

**The real voyage of discovery consists not in seeking new lands but seeing with new eyes. —Marcel Proust**

<https://mail.google.com/mail/u/1?ik=6976749adc&view=pt&search=all&permthid=thread-f%3A1695297458820979003&simpl=msg-f%3A16952974588...> 1/2