



1.3.2 Average percentage of courses that include experiential learning through project work / field work / internship during last five years

Academic Year : 2017 – 2018

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1.3.2 Average percentage of courses that include experiential learning through project work /field work/internship during last five years.

B.E. – Computer Science and Engineering

S. No.	Name of the Course	Course Code	Name of the students	Page No.
1.	Programming and Data Structure II	CS6301	Arun R Pugazhivelan P	4
2.	Programming and Data Structure Laboratory II	CS6311		
3.	Programming in C	CS8251		
4.	C Programming Laboratory	CS8261		
5.	Database Management Systems	CS6302	Vasanthasenan S Pugalmani P	6
6.	Database Management Systems Laboratory	CS6312	Sabarinathan S Sri Nathiya A	
7.	Computer Architecture	CS6303	Vignesh G Manikandan K	8
8.	Internet programming	CS6501	Anguprakash V	10
9.	Internet programming Laboratory	CS6512	Jenitha K Rahul M Anbhukarasi P	
10.	Computer Graphics	CS6504	Balaji M	12
11.	Computer Graphics Laboratory	CS6513	Dinesh J Harish N	
12.	Cryptography and Network Security	CS6701	Naveenkumar S Poornima M	15
13.	Security Laboratory	CS6711	Priyanka N SaravanaAbishek G	
14.	Grid and Cloud Computing	CS6703	Jiyathkhan A	17
15.	Grid and Cloud Computing Laboratory	CS6712	Sasikumar S Selvaganapathi R Thirumurugan S	
16.	Information Retrieval	CS6007	Divya R Geethanjali M Madhumalan T Praveenkumar R	19
17.	Computer Networks	CS6551	Janani A	22
18.	Networks Laboratory	CS6411	Priyadharshini R Shalini S Sharthaj Banu D	

S. No.	Name of the Course	Course Code	Name of the students	Page No.
19.	Operating Systems	CS6401	Devigayathri S	25
20.	Operating Systems Laboratory	CS6413	Jeevitha R	
21.	Design and Analysis of Algorithms	CS6402	Aarthi R Arunachalam C Kirubhanandhan P	29
22.	Software Engineering	CS6403	Laxmancibi S Rajarajan A	32
23.	Mobile Computing	IT6601	Indira Priyadharshini P Laxmancibi S Nathishkumar A	34
24.	Mobile Application Development Laboratory	CS6611	Praveenkumar M Selvamalini J Stelinbercia S	
25.	Artificial Intelligence	CS6659	Aswin Shankar C Deepak Fernandez M Gunasekar S Ramesh Aravinthan K	40
26.	Multi-Core Architectures and Programming	CS6801	Nagalakshmi G Vanishree D	42
27.	Human Computer Interaction	CS6008	Vinitha S Priyanka S	
28.	Project Work	CS6811	Chindamani R M Janani G Niveditha S Sathya S	44



Date: 22-Dec-2017

INPLANT TRAINING COMPLETION CERTIFICATE

This is to certify that Mr.Arun.R (USN: 731616104004) student of KSR Institute for Engineering and Technology has completed his In-plant Training in our organization from 18th Dec 2017 to 22nd Dec 2017


All necessary inputs were provided from our end for successful completion of the In-plant training.

We wish him all success for his future Endeavour.

For Evolet Technologies



Authorized Signatory


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Date: 22-Dec-2017

INPLANT TRAINING COMPLETION CERTIFICATE

This is to certify that Mr.Pughazivlan.P (USN: 731616104031) student of **KSR Institute for Engineering and Technology** has completed his In-plant Training in our organization from 18th Dec 2017 to 22nd Dec 2017

All necessary inputs were provided from our end for successful completion of the In-plant training.

We wish him all success for his future Endeavour.

For Evolet Technologies



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A handwritten signature in green ink, appearing to be 'K. S. R.'.

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BLOOD MASTER SYSTEM

A PROJECT REPORT



Submitted by

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PUGALMANI.P (731614104305)

SABARINATHAN.S (731614104306)

SRI NATHIYA.A (731614104704)

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IN


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BONAFIDE CERTIFICATE

Certified that this project report titled "BLOOD MASTER SYSTEM" is the bonafide work of "VASANTHASENAN M (731614104040), PUGALMANI P (731614104305), SABARINATHAN S (731614104306) and SRI NATHIYA A (731614104704)" who carried out the project work under my supervision.



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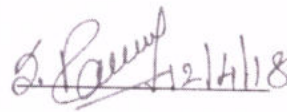
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External Examiner




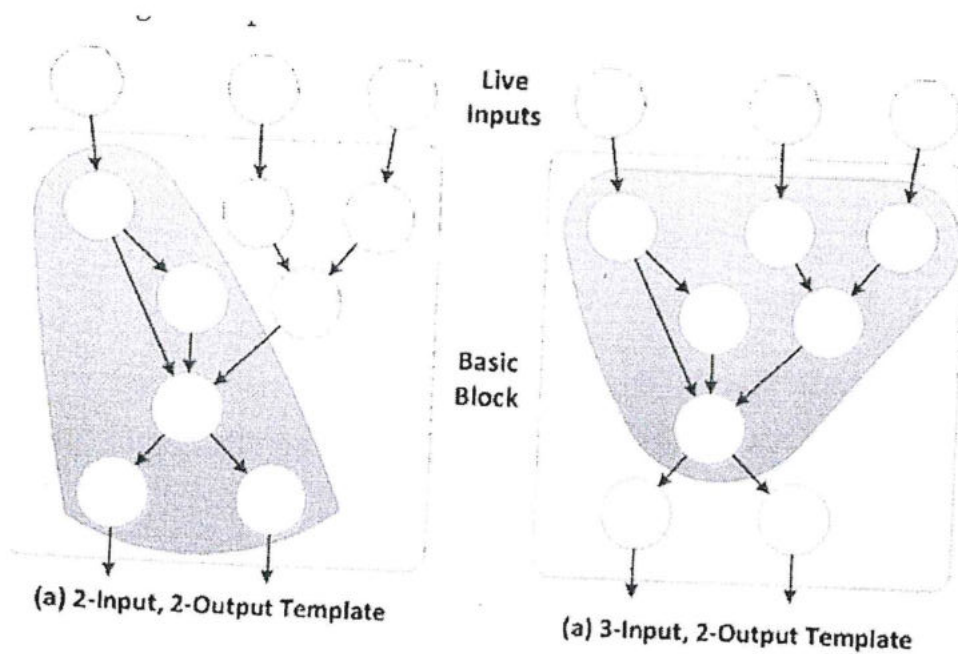
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Case Study 1: Instruction Set Generation

Generating custom instruction candidates from an application is the process of analyzing the intermediate representation of the program, and finding subgraphs which can be made into instructions. Depending on the target system, these candidates must have certain properties in terms legality (including graph structure or node types), and should improve the performance as much as possible with respect to the software execution. The optimization problem we solve is to determine the convex set of operations inside a basic block, forming a custom instruction template, which maximizes the expected latency reduction.

An ISA specifies the behavior of machine code running on implementations of that ISA in a fashion that does not depend on the characteristics of that implementation, providing binary compatibility between implementations. This enables multiple implementations of an ISA that differ in performance, physical size, and monetary cost (among other things), but that are capable of running the same machine code, so that a lower-performance, lower-cost machine can be replaced with a higher-cost, higher-performance machine without having to replace software. It also enables the evolution of the micro architectures of the implementations of that ISA, so that a newer, higher-performance implementation of an ISA can run software that runs on previous generations of implementations.


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We attempt to find subgraphs of a given directed cyclic graph (DAG) with particular properties, which are used in the generation of custom instructions. Subgraphs which require fewer input and output edges are beneficial, as well as those that display high amounts of parallelism inside the subgraph. The figure below shows some example subgraphs. Please see Chapter 3 of Optimization and Mathematical Modeling in Computer Architecture for details on the formulation.

V. Perandean
27/02/18
Course Coordinator

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27/2/18
HODY/CSE



AN INTERACTIVE WEB PORTAL
FOR EFFECTIVE MANAGEMENT
SYSTEM



A PROJECT REPORT

Submitted by

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RAKUL.M	(731614104029)
ANBHUCKARASI.P	(731614104702)

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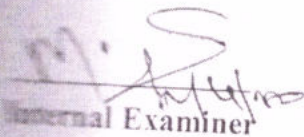
ASSISTANT PROFESSOR

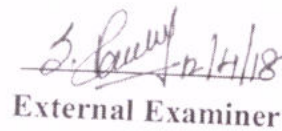
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IPT COMPLETION CERTIFICATE

Date: 05.12.2017

TO WHOM IT MAY CONCERN

This is certify that Mr. BALAJI M (Reg.No: 731615104005) from KSR Institute For Engineering and Technology has successfully completed his **In-Plant Training** in our organization for the partial fulfillment of his **B.E-CSE** degree for a period starting from 27.11.2017 to 5.12.2017

During this period he had undergone training on "JAVA" and had shown an exemplary attitude and approach.

Wishing Him the Very Best Forever


BRANCH HEAD




MANAGING DIRECTOR



IPT COMPLETION CERTIFICATE

Date: 05.12.2017

TO WHOM IT MAY CONCERN

This is certify that **Mr. DINESH J** (Reg.No: 731615104008) from KSR Institute For Engineering and Technology has successfully completed his **In-Plant Training** in our organization for the partial fulfillment of his B.E-CSE degree for a period starting from 27.11.2017 to 5.12.2017

During this period he had undergone training on "JAVA" and had shown an exemplary attitude and approach.


Wishing Him the Very Best Forever

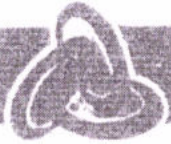

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PRIVACY DEFENDER-PROTECTING  KSRIET

LEAKAGE OF
PHOTOS ON SOCIAL MEDIA

A PROJECT REPORT

Submitted by

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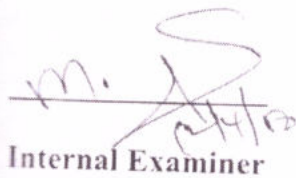

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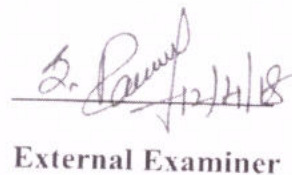
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SMART GATE PASS AND
LEAVE MAINTENANCE
SYSTEM



A PROJECT REPORT

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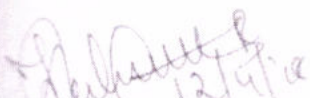
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**E-HEALTH SYSTEM BY MEANS
OF DYNAMIC AUTHENTICATION
AND MULTI-FACTOR KEY
AGREEMENT**



A PROJECT REPORT

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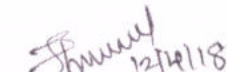
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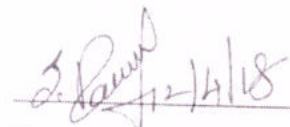
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Date: 05.12.2017

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This is certify that Ms. SHALINI S (Reg.No: 731615104036) from KSR Institute For Engineering and Technology has successfully completed his **In-Plant Training** in our organization for the partial fulfillment of his B.E-CSE degree for a period starting from 27.11.2017 to 5.12.2017

During this period she had undergone training on "JAVA" and had shown an exemplary attitude and approach.

Wishing Him the Very Best Forever


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Wishing Him the Very Best Forever


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1. Clock is not a stack algorithm. Clock can degenerate to FIFO - FIFO is subject to Belady's anomaly and so is not a stack algorithm.

Finished up with segmentation (see yesterday's notes)

Page replacement algorithms

Random

FIFO

Belady's anomaly

OPT (Belady's algorithm)

LRU, MRU, LFU

Spatial and temporal locality

Second chance, clock

Page replacement

The advantage of virtual memory is that processes can be using more memory than exists in the machine; when memory is accessed that is not present (a page fault), it must be paged in (sometimes referred to as being "swapped in", although some people reserve "swapped in" to refer to bringing in an entire address space).

Swapping in pages is very expensive (it requires using the disk), so we'd like to avoid page faults as much as possible. The algorithm that we use to choose which pages to evict to make space for the new page can have a large impact on the number of page faults that occur. We discuss a number of these algorithms in this lecture.

Random

When we need to evict a page, choose one randomly

pros: extremely simple

cons: can easily make "bad" choices by swapping out pages right before they are needed.

First-in, First-out (FIFO)

When we need to evict a page, choose the first one that was paged in. This can be easily implemented by treating the frames as a circular buffer and storing a single head pointer. On eviction, replace the head, and then advance it. It will always point to the first-in page.

pros: extremely simple

cons: can still make "bad" choices if the first-in page is accessed in the near future.

FIFO is also susceptible to "Belady's anomaly": it is possible that adding more frames can actually make performance worse! For example, consider the trace

Step 1 2 3 4 5 6 7 8 9 10 11 12

Access 1 2 3 4 1 2 5 1 2 3 4 5

Using FIFO with three frames, we incur 9 page faults (work this out!). With four frames, we incur 10 faults! It would be nice if buying more RAM gave us better performance.

Belady's algorithm (OPT)

When we need to evict a page, evict the page that will be unused for the longest time in the future.

pros: provably optimal number of page faults


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cons: requires predicting the future (impossible)

Example: on the same trace as above with three frames:

Step 1 2 3 4 5 6 7 8 9 10 11 12

Access 1 2 3 4 1 2 5 1 2 3 4 5

Initially, memory is empty:

frame: 0 1 2

page:

In the first three steps, we incur three page faults and load pages 1, 2, and 3

frame: 0 1 2

page: 1 2 3

In step 4, we access page 4, incurring a page fault. Page 1 is used in step 5, page 2 is used in step 6, but page 3 is not used until step 10, so we evict page 3.

frame: 0 1 2

page: 1 2 4

Steps 5 and 6 do not incur page faults. In step 7, we need to evict a page. Page 1 is used in step 8, page 2 is used in step 9, but page 4 isn't needed until step 11, so we evict page 4.

frame: 0 1 2

page: 1 2 5

Steps 8 and 9 do not incur page faults, but step 10 does. Again, we consider the future uses of the data in memory; neither page 1 nor 2 will be used in the future, so we can evict either.

frame: 0 1 2

page: 3 2 5

Similarly in step 11, we can evict either page 3 or page 2:

frame: 0 1 2

page: 3 4 5

Finally, we execute step 12, which incurs no page fault. This gives a total of 7 page faults. This is guaranteed to be the optimal number.

LRU, MRU, LFU

Although we cannot predict the future, we can estimate it based on past behavior. Most programs exhibit both spatial and temporal locality:

Spatial locality: after accessing an address, it is likely that nearby addresses will also be accessed.

Temporal locality: pages that are accessed frequently are likely to be accessed in the near future

Exploiting these assumptions leads to the following algorithms: - Least frequently used (LFU) assumes that pages that have been accessed rarely are unlikely to be accessed again. Keep a count of how many times each page is accessed, evict the page with the lowest count - Least recently used assumes that pages that were accessed recently are likely to be needed. Keep a timestamp of latest access, evict the page with the lowest timestamp. - Most recently used assumes that programs do not read the same addresses multiple times. For example, a media player will read a byte and then move on, never to read it again. As with LRU, keep a timestamp of latest access, but evict the page with the highest timestamp.

These algorithms exploit locality to approximate OPT, and thus can often do a good job of reducing page faults. However, implementing them is very difficult: - a count or timestamp needs to be updated on every access; this requires hardware support, and an extra register per

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TLB entry (expensive!) - there is one count/timestamp per page; to find the process to evict, we have to traverse the entire frame list.

Approximating LRU: second chance and clock

Instead of finding the least recently used page, we can simply find a page that was not "recently used" for some definition of "recently used". This requires only a bit per page, and makes finding a candidate to evict easy (since there are many we could choose).

To support these approximations, many TLBs support an additional "use bit" that is set automatically whenever a page is accessed.

second chance

The second chance algorithm (which some people call the clock algorithm) works just like FIFO, but it skips over any pages with the use bit set (and clears the use bit).

Example: Let's consider the same trace as above with the clock algorithm, for the first few steps:

Step 1 2 3 4 5 6 7 8 9 10 11 12

Access 1 2 3 4 1 2 5 1 2 3 4 5

Initially, memory is empty:

frame: 0 1 2

page:

use:

next: ^

In the first three steps, we incur four page faults and load pages 1, 2, and 3, advancing the next pointer. The use bit is set (since we're using the pages).

frame: 0 1 2

page: 1 2 3

use: 1 1 1

next: ^

In step 4, we incur a page fault. We look for an unused page, clearing bits as we go:

frame: 0 1 2

page: 1 2 3

use: 0 1 1

next: ^

frame: 0 1 2

page: 1 2 3

use: 0 0 1

next: ^

frame: 0 1 2

page: 1 2 3


use: 0 0 0

next: ^

Once we find one, we evict it:

frame: 0 1 2

page: 4 2 3


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Date: 21-Dec-2018

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This is to certify that Mr.Laxmancibi S (USN :731616104019) student of KSR Institute of Engineering and Technology has completed his Inplant Training in our organization from 17th Dec 2018 to 21st Dec 2018


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We wish him all success for his future endeavour.

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Date: 22-Dec-2017

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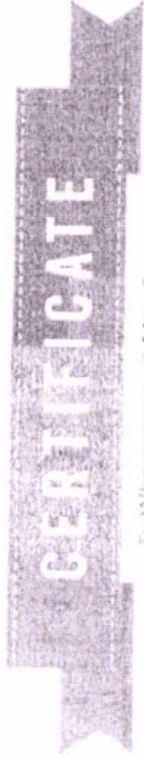
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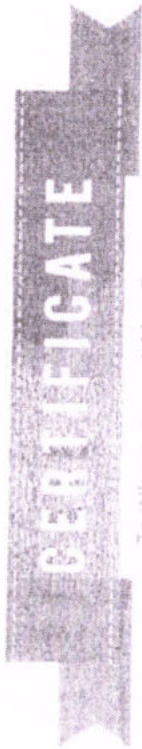
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**WASTE MANAGEMENT
SYSTEM USING IOT IN
SMART CITIES**



A PROJECT REPORT

Submitted by

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DEEPAK FERNANDEZ M	(731614104007)
GUNASEKAR S	(731614104010)
RAMESH ARAVINTHAN K	(731614104030)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN


COMPUTER SCIENCE AND ENGINEERING

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

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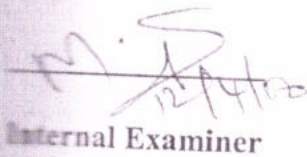

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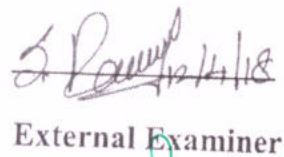
Dr.B.KALAAVATHI
HEAD OF THE DEPARTMENT
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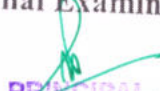

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Internal Examiner


External Examiner


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**VEHICLE HEALTH MONITORING AND
PERFORMANCE CALIBRATION SYSTEM USING
ARDUINO AND IOT**



A PROJECT REPORT

Submitted by

NAGALAKSHMI.G (731614104023)
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PRIYANKA.S (731614104703)

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IN


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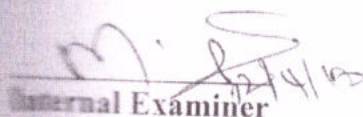
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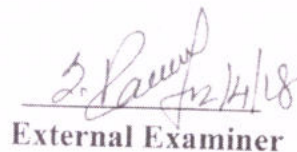
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**MONITORING DEMENTIA OLD
AGED PEOPLE USING MUSIC
THERAPY AND IoT**



A PROJECT REPORT

Submitted by

**CHINDHAMANI.RM (731614104005)
JANANI.G (731614104013)
NIVEDITHA.S (731614104025)
SATHIYA.A (731614104036)**

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Mr. S. SARAVANAN

ASSISTANT PROFESSOR

Department of Computer

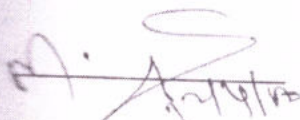
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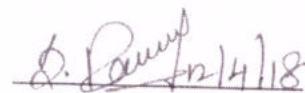
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1.3.2 Average percentage of courses that include experiential learning through project work / field work/internship during last five years.

B.E. - Electrical & Electronics Engineering

S. No.	Name of the Course	Course Code	Name of the students	Page No.
1.	Circuit Theory	EE6201	Srinivasan.R Stephen Immanuvel.J Surendhar.M.M Soundharya.S	49
2.	Electric Circuits Laboratory	EE6211	Vimal Kumar.S Gokulraj.B Dhanraj.S	49
3.	Digital Logic Circuits	EE6301	Mounisha.S Yogapriya.S Swathi.S Pavithra.M	49
4.	Electromagnetic Theory	EE6302	Kanimozhi.V Preetha.E Nithya Sri.R Emaiya.K	50
5.	Electronic Devices And Circuits	EC6202	Logeshwaran.V Prakash.S.P	50
6.	Electronics Laboratory	EC6361	Rathna Kumar.V	
7.	Linear Integrated Circuits And Applications	EE6303	Kavinkumar.K Pravin.R Jeeva.M	50
8.	Linear and Digital Integrated Circuits Laboratory	EE6311	Karthy.K Edisonraja.R Hariharan.R	50
9.	Electrical Machines - I	EE6401	Lohesh J Murugananth M	58
10.	Electrical Machines Laboratory - I	EE6411	Sathish Kumar M Srinivasan R	
11.	Transmission and Distribution	EE6402	Yogapriya S Swathi S	62
12.	Power Plant Engineering	ME6701	Pavithra M Mounisha S	

S. No.	Name of the Course	Course Code	Name of the students	Page No.
13.	Discrete Time Systems and Signal Processing	EE6403	Ganeshbabu.V Bharathi Kannan.M R Bharath.S Aravind.R	50
14.	Measurements And Instrumentation	EE6404	Srinithi.G Swathi.R Lavanya.R Mahaeswari.A Monisha.V	67
15.	Power System Analysis	EE6501	Karthiga N Kavin Kumar M Anbarasan G	76
16.	Power System Operation and Control	EE6603		
17.	Power System Simulation Laboratory	EE6711		
18.	Microprocessors And Microcontrollers	EE6502	Dhivagar.S Dhivagar.N Gokul.S	69
19.	Power Electronics	EE6503	Gayathri.K Kalaichelvi.V Cathrinal.J	68
20.	Power Electronics and Drives Laboratory	EE6611		
21.	Electrical Machines - II	EE6504	Stephen Immanuel J	86
22.	Electrical Machines Laboratory - II	EE6512		
23.	Control Systems	IC6501	Pravieen M K Rahul M S Ranjith T Tamil Selvan P	87
24.	Control and Instrumentation Laboratory	EE6511		
25.	Solid State Drives	EE6601	Mothinath S Priyanka M Ravindran S Surya S	91
26.	Embedded Systems	EE6602	Balachandar K R Kanaga Priya R Karthick A Praveen Kumar M	95
27.	Design of Electrical Machines	EE6604	Shankaranarayanan.M Mohanraj.S Saravanan. V Sibin.S	68
28.	Microprocessors and Microcontrollers Laboratory	EE6612	Harini.S Keerthika.C Dickman Pious .P	67

S. No.	Name of the Course	Course Code	Name of the students	Page No.
29.	Protection and Switchgear	EE6702	Logeswaran V Mohanraj S Nithaysri R Vivek V Iniya Dharani R Mythili N Sujitha E Saranya P	96
30.	Special Electrical Machines	EE6703	Nagamani E Sangavi K Vijayan N Vinoth Kumar R	97
31.	Microcontroller Based System Design	EE6008	Mythily B Steephansibu S Uthira Kumar E Yokeshwaran B	98
32.	Electric Energy Generation, Utilization and Conservation	EE6801	Pravieen M.K Rahul M.S Ranjith T Tamil Selvan P	99

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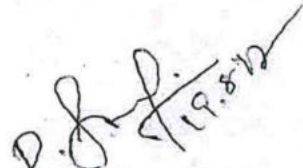
Batch. No	Student's Name	Name of the Project	Year/Sec
1.	ARUN KUMAR .C GOKULAKRISHNAN.S HARIHARAN.G ELANCHEZHIAN.P	AUTOMATED LIGHT INTENSITY USING ARDUINO	III/A
2.	VIMAL KUMAR.S GOKULRAJ.B DHANRAJ.S	AUTOMATIC WATER PUMP CONTROLLER	III/A
3.	HARIN.S KEERTHIKA.C DICKMAN PIOUS .P	BLUETOOTH CONTROLLED ROBOT CARS USING AURDINO	III/A
4.	SRINIVASAN.R STEPHEN IMMANUVEL.J SURENDHAR.M.M SOUNDHARYA.S	VISITOR COUNTER	III/B
5.	NAVEEN .M.T MURUGANANTH.M SATHISH KUMAR.M PRAVEENKUMAR.B YOKESHKANNA.K.R	WIFI- CONTROLLED ROBOT USING ARDUINO	III/B
6.	GOWTHAM C MADHAN.G LOHESH.J YOGESHWARAN.S	INTRUDER ALARM USING ARDUINO AND GSM	III/B
7.	SRINITHI G SWATHLR LAVANYA.R MAHAESWARIA MONISHA.V	MOBILE PHONE DETECTOR	III/B
8.	MOUNISHA.S YOGAPRIYA.S SWATHLS PAVITHRA.M	OBSTACLE DETECTION AND WARNING SYSTEM	III/B
9.	RANJITH KUMAR.N RAMESH.S.R MAHADURAI.V RANGASAMY.R SEKAR.S	INVERTER DC-AC	III/B
10.	KARTHIKA DEVI.S NANDHINI.M JANANI.T MONISH.S	LIGHT DETECTOR	II
11.	SARANYA.P MYTHILL.N LATHA.S MADHUMITHA.J.S	TOUCH SENSOR	II
12.	AJITHA.P SUVETHA.T MERLIN INFANTA.S KAVIYA.M	MOBILE DETECTOR	II

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NAMAKKAL Dt, TAMIL NADU.


Batch No	Student's Name	Name of the Project	Year/Sec
13.	SHANKARANARAYANAN.M MOHANRAJ.S SARAVANAN.V SIBIN.S	MOBILE CHARGING WITHOUT CHARGER	II
14.	KARTHIK EDISONRAJA.R HARIHARAN.R	SELF LEARNING AUTOMATIC LOAD CUT OFF POWER SAVING	II
15.	JEEVA.R PRAVEEN.D PREMKUMAR.G ANBALAGAN.M	AUTOMATIC LIGHT	II
16.	KAMALI SOUNDARYA.E INIYADHARANI.R DIVYADEVI.V	BREAK FAILURE INDICATOR	II
17.	KANIMOZHIL.V PREETHA.E NITHYA SRLR EMAIYA.K	TESLA COIL	II
18.	KAVINKUMAR.K PRAVIN.R JEEVA.M	DAY AND NIGHT INDICATOR	II
19.	GANESHBABU.V BHARATHI KANNAN.M BHARATH.S ARAVIND.R	AUTOMATIC STREET LIGHT	II
20.	LOGESHWARAN.V PRAKASH.S.P RATHNA KUMAR.V	FIRE ALARM	II
21.	MANOJKUMAR.V MATHUBALAN.S BOOPATHI.M GOKULRAJ	ADVANCE HEARING AID	II
22.	MUGESH.M VIVEK.V NAVANEETHAN.S DINESH KUMAR.S	POWER GENERATOR	II
23.	PIREETHI.A NANCY ASMITHA.P.A SUJITHA.E	SMOKE DETECTOR	II
24.	VIGNESH KUMAR.V PRAVIN KUMAR.P SABAREESHWARAN.A PRAKASH.C	SELF BALANCING ROBOT	IV/B
25.	PRAVEEN KUMAR.M KARTHICK.A JOTHIBASU.K	ARDUINO LAMP CIRCUIT	IV/A
26.	GAYATHRI.K KALAICHELV.V CATHRINAL.J	TEMPERATURE CONTROLLED DC FAN	III/A
27.	JANANI.R KOKILAVANI.M KOWSALYA.K	SIREN GENERATOR	III/A
28.	JASMINE.B GOWSALYA.A HARIHARAN.N BASKAR.K	MUSIC RHYTHM WITH LED	III/A


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 NAMAKKAL DI, TAMIL NADU.

Batch. No	Student's Name	Name of the Project	Year/Sec
29.	GOKUL RAMANAN.E GOWTHAM.S JEEVA.K KRISHNAMOORTHI.S	MOTOR GENERATOR	III/A
30.	DHIVAGAR.S DHIVAGAR.N GOKUL.S	AUTOMATIC CHANGEROVER	III/A
31.	GOBI KRISHANAN.R GOKUL N.R DINAHARAN.S	12V DC TO 220V AC INVERTER	III/A
32.	KANNAN.S CHIDAMABARAM.B KARTHICK.C HARISUTHAN.V GOWTHAM.V	FM TRANSMITTER	III/A
33.	SRINITHI.G SWATHI.R LAVANYA.R MAHAESWARLA MONISHA.V	TRAFFIC LIGHT CONTROL	III/B
34.	POOJA.R PRIYADHARSHINI.S SRIABIRAMI.B MONIKA.S	FRIDGE DOOR ALARAM	III/B


Association Co-ordinator


HOD/EEE


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NAMAKKAL Dt, TAMIL NADU.

Batch. No	Student's Name	Name of the Project	Year/Sec	Concept	Hardware	Total	Remarks
1.	ARUN KUMAR .C GOKULAKRISHNAN.S HARIHARAN.G ELANCHEZHIAN.P	AUTOMATED LIGHT INTENSITY USING ARDUINO	III/A	40	42	82	
2.	VIMAL KUMAR.S GOKULRAJ.B DHANRAJ.S	AUTOMATIC WATER PUMP CONTROLLER	III/A	38	30	68	
3.	HARINI.S KEERTHIKA.C DICKMAN PIOUS .P	BLUETOOTH CONTROLLED ROBOT CARS USING AURDINO	III/A	40	31	71	
4.	SRINIVASAN.R STEPHEN IMMANUVEL.J SURENDHAR.M.M SOUNDHARYA.S	VISITOR COUNTER	III/B	44	44	88	III
5.	NAVEEN .M.T MURUGANANTH.M SATHISH KUMAR.M PRAVEENKUMAR.B YOKESHKANNA.K.R	WIFI- CONTROLLED ROBOT USING ARDUINO	III/B	31	40	71	
6.	GOWTHAM C MADHAN.G LOHESH.J YOGESHWARAN.S	INTRUDER ALARM USING ARDUINO AND GSM	III/B	40	32	72	
7.	SRINITHI G SWATHI.R LAVANYA.R MAHAESWARLA MONISHA.V	MOBILE PHONE DETECTOR	III/B	35	36	71	
8.	MOUNISHA.S YOGAPRIYA.S SWATHI.S PAVITHRA.M	OBSTACLE DETECTION AND WARNING SYSTEM	III/B	45	44	89	II
9.	RANJITH KUMAR.N RAMESH.S.R MAHADURAL.V RANGASAMY.R SEKAR.S	INVERTER DC-AC	III/B	40	35	75	
10.	KARTHIKA DEVIS NANDHINI.M JANANI.T MONISH.S	LIGHT DETECTOR	II	42	40	82	
11.	SARANYA.P MYTHILI.N LATHA.S MADHUMITHA.J.S	TOUCH SENSOR	II	41	40	80	
12.	AJITHA.P SUVETHA.T MERLIN INFANTA.S KAVIYA.M	MOBILE DETECTOR	II	30	35	75	

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Batch. No	Student's Name	Name of the Project	Year/Sec	Concept	Hardware	Total	Remarks
13.	SHANKARANARAYANAN.M MOHANRAJ.S SARAVANAN.V SIBIN.S	MOBILE CHARGING WITHOUT CHARGER	II	30	34	64	
14.	KARTHIK EDISONRAJA.R HARIHARAN.R	SELF LEARNING AUTOMATIC LOAD CUT OFF POWER SAVING	II	32	33	65	
15.	JEEVA.R PRAVEEN.D PREMKUMAR.G ANBALAGAN.M	AUTOMATIC LIGHT	II	31	34	65	
16.	KAMALI SOUNDARYA.E INIYADHARANI.R DIVYADEVI.V	BREAK FAILURE INDICATOR	II	45	46	91	1
17.	KANIMOZHI.V PREETHA.E NITHYA SRIR EMAIYA.K	TESLA COIL	II	35	36	71	
18.	KAVINKUMAR.K PRAVIN.R JEEVA.M	DAY AND NIGHT INDICATOR	II	38	32	70	
19.	GANESHBABU.V BHARATHI KANNAN.M BHARATH.S ARAVIND.R	AUTOMATIC STREET LIGHT	II	38	30	68	
20.	LOGESHWARAN.V PRAKASH.S.P RATHNA KUMAR.V	FIRE ALARM	II	40	41	81	
21.	MANOJKUMAR.V MATHUBALAN.S BOOPATHI.M GOKULRAJ	ADVANCE HEARING AID	II	41	30	71	
22.	MUGESH.M VIVEK.V NAVANEETHAN.S DINESH KUMAR.S	POWER GENERATOR	II	30	35	75	
23.	PIREETHI.A NANCY ASMITHA.P.A SUJITHA.E	SMOKE DETECTOR	II	41	42	83	
24.	VIGNESH KUMAR.V PRAVIN KUMAR.P SABAREESHWARAN.A PRAKASH.C	SELF BALANCING ROBOT	IV/B	40	41	81	
25.	PRAVEEN KUMAR.M KARTHICK.A JOTHIBASU.K	ARDUINO LAMP CIRCUIT	IV/A	40	40	80	
26.	GAYATHRI.K KALAICHELV.I.V CATHRINAL.J	TEMPERATURE CONTROLLED DC FAN	III/A	40	31	71	
27.	JANANI.R KOKILAVANI.M KOWSALYA.K	SIREN GENERATOR	III/A	42	30 30	72	
28.	JASMINE.B GOWSALYA.A HARIHARAN.N BASKAR.K	MUSIC RHYTHM WITH LED	III/A	38	32	70	

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Batch. No	Student's Name	Name of the Project	Year/Sec	Concept	Hardware	Total	Remarks
29.	GOKUL RAMANAN.E GOWTHAM.S JEEVA.K KRISHNAMOORTHI.S	MOTOR GENERATOR	III/A	40	40	80	
30.	DHIVAGAR.S DHIVAGAR.N GOKUL.S	AUTOMATIC CHANGEROVER	III/A	42	41	83	
31.	GOBI KRISHANAN.R GOKUL N.R DINAHARAN.S	12V DC TO 220V AC INVERTER	III/A	25	26	71	
32.	KANNAN.S CHIDAMABARAM.B KARTHICK.C HARISUTHAN.V GOWTHAM.V	FM TRANSMITTER	III/A	33	37	70	
33.	SRINITHI.G SWATHI.R LAVANYA.R MAHAESWARI.A MONISHA.V	TRAFFIC LIGHT CONTROL	III/B	35	32	67	
34.	POOJA.R PRIYADHARSHINI.S SRIABIRAMI.B MONIKA.S	FRIDGE DOOR ALARM	III/B	37	32	69	

W. S. R. J. M.
19/08/17
R. N.
19/8/17
Jury's Signature

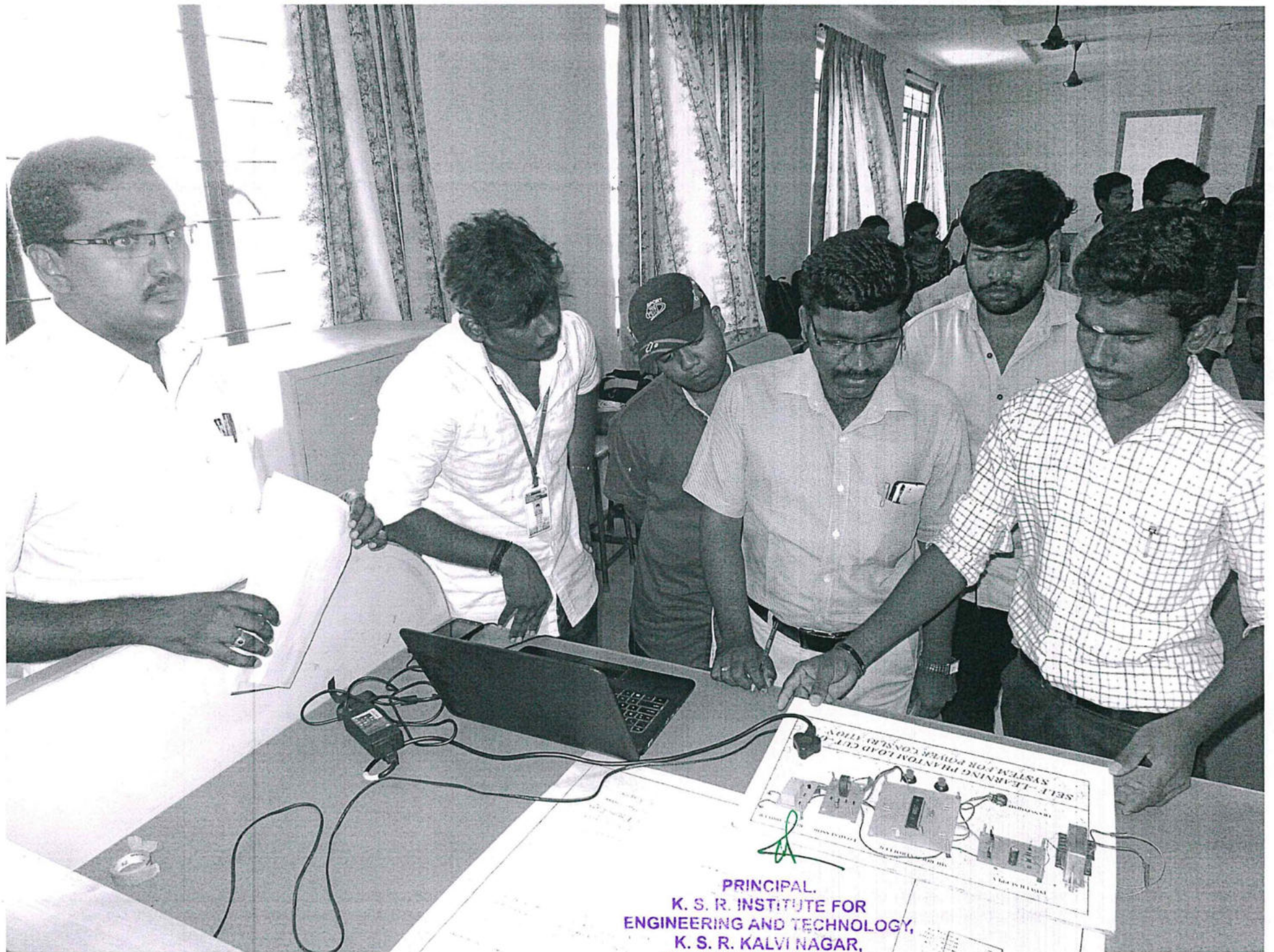
P. S. P.
19/8/17
Association Co-ordinator

A. S.
19-8-17
HOD/EEE

✓
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TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.



Principal,
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TIRUCHENGODE-637 215,
NAMAKKAL DISTRICT, TAMIL NADU



JSW Steel Limited

Salem Works : P.O. Pottaneri,
Mecheri, Mettur - Tk,

Salem - Dt. Pin : 636 453

Tamilnadu, India.

CIN No. : L27102MH1994PLC152925

Phone : +91 4298 272000

Fax : +91 4298 272272

Website : www.jsw.in

Ref: JSW-SLM/HR/IPT/ 145/204

01 December 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. J.LOHESH BE (EEE), Third Year** Student of K.S.R
Institute for Engineering and Technology, Namakkal has successfully completed
the in plant training in our organization from **27.11.17** to **01.12.17**

During the in plant training period his conduct was good and we wish him all the
best for his future endeavors.

For JSW STEEL LIMITED

J P AMBROSE
GENERAL MANAGER (HR & ADMIN)

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.



Part of O.P. Jindal Group

Registered Office : JSW Centre
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051

Phone : +91 22 4286 1000

Fax : +91 22 4286 3000



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Ref: JSW-SLM/HR/IPT/ 145/205

01 December 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. M.MURUGANANTH, BE (EEE), Third Year Student of K.S.R Institute for Engineering and Technology, Namakkal has successfully completed the in plant training in our organization from 27.11.17 to 01.12.17

During the in plant training period his conduct was good and we wish him all the best for his future endeavors.

For JSW STEEL LIMITED

J P AMBROSE
GENERAL MANAGER (HR & ADMIN)

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
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Phone : +91 4298 272000

Fax : +91 4298 272272

Website : www.jsw.in

Ref: JSW-SLM/HR/IPT/ 145/206

01 December 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. M.SATHISH KUMAR , BE (EEE), Third** Student of K.S.R
Institute for Engineering and Technology, Namakkal has successfully completed
the in plant training in our organization from **27.11.17** to **01.12.17**

During the in plant training period his conduct was good and we wish him all the
best for his future endeavors.

For JSW STEEL LIMITED

J P AMBROSE
GENERAL MANAGER (HR & ADMIN)

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DL, TAMIL NADU.



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Website : www.jsw.in

Ref: JSW-SLM/HR/IPT/ 145/207

01 December 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. R.SRINIVASAN , BE (EEE), Third Year Student of K.S.R
Institute for Engineering and Technology, Namakkal has successfully completed
the in plant training in our organization from 27.11.17 to 01.12.17

During the in plant training period his conduct was good and we wish him all the
best for his future endeavors.

For JSW STEEL LIMITED

J P AMBROSE
GENERAL MANAGER (HR & ADMIN)

PRINCIPAL
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
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METTUR THERMAL POWER STATION-I
IN-PLANT TRAINING CERTIFICATE

This is to certify that S.YOGAPRIYA, THIRD _____ year

EEE DEPARTMENT of K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, TIRUCHENGODE has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 20.11.17 To 25.11.17

Area of Training : METER & RELAY TESTING. ELECTRICAL MAINTENANCE- II


 K. S. R. INSTITUTE FOR EXECUTIVE ENGINEERING,
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 TIRUCHENGODE-637 215,
 NAMAKKAL DT, TAMIL NADU.

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED
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METTUR THERMAL POWER STATION-I

IN-PLANT TRAINING CERTIFICATE

This is to certify that S.SWATHI, THIRD _____ year

EEE DEPARTMENT of K S R INSTITUTE FOR ENGINEERING AND

TECHNOLOGY, TIRUCHENGODE _____ has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 20.11.17 To 25.11.17

Area of Training : METER & RELAY TESTING, ELECTRICAL MAINTENANCE- II



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Training and Environment (MTPS-I) Mettur Dam,
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IN-PLANT TRAINING CERTIFICATE

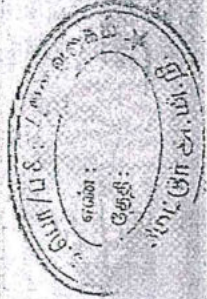
This is to certify that M.PAVITHRA, THIRD _____ year

EEE DEPARTMENT of K S R INSTITUTE FOR ENGINEERING AND

TECHNOLOGY, TIRUCHENGODE has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 20.11.17 To 25.11.17

Area of Training : METER & RELAY TESTING, ELECTRICAL MAINTENANCE- II



Sreed

EXECUTIVE ENGINEER
Training and Environment/MTPS-I, Mettur Dam.

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IN-PLANT TRAINING CERTIFICATE

This is to certify that S.MOUNISHA, THIRD _____ *year*

EEE DEPARTMENT of K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, TIRUCHENGODE has undergone *In - Plant Training at*

Mettur Thermal Power Station-1, Mettur Dam From 20.11.17 To 25.11.17

Area of Training : METER & RELAY TESTING. ELECTRICAL MAINTENANCE- II



Sreedhar

EXECUTIVE ENGINEER
Training and Environment / MTPS-I, Mettur Dam.
K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY



TIRUCHENGODE - 637215

DEPARTMENT OF EEE



IDEA CONTEST

Conducted by



BEES ASSOCIATION

CHIEF GUEST

Mr.M.Kalai raja, B.E.,M.S.,
Assistant Executive Engineer,
TNEB

Date: 19.08.2017

Venue: Power Electronics lab

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K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DISTRICT, TAMIL NADU.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BEES ASSOCIATION

INTRA DEPARTMENT PROJECT CONTEST CUM EXHIBITION -2017-2018

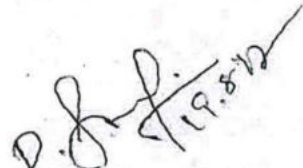
Batch. No	Student's Name	Name of the Project	Year/Sec
1.	ARUN KUMAR .C GOKULAKRISHNAN.S HARIHARAN.G ELANCHEZHIAN.P	AUTOMATED LIGHT INTENSITY USING ARDUINO	III/A
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3.	HARIN.S KEERTHIKA.C DICKMAN PIOUS .P	BLUETOOTH CONTROLLED ROBOT CARS USING AURDINO	III/A
4.	SRINIVASAN.R STEPHEN IMMANUVEL.J SURENDHAR.M.M SOUNDHARYA.S	VISITOR COUNTER	III/B
5.	NAVEEN .M.T MURUGANANTH.M SATHISH KUMAR.M PRAVEENKUMAR.B YOKESHKANNA.K.R	WIFI- CONTROLLED ROBOT USING ARDUINO	III/B
6.	GOWTHAM C MADHAN.G LOHESH.J YOGESHWARAN.S	INTRUDER ALARM USING ARDUINO AND GSM	III/B
7.	SRINITHI G SWATHLR LAVANYA.R MAHAESWARIA MONISHA.V	MOBILE PHONE DETECTOR	III/B
8.	MOUNISHA.S YOGAPRIYA.S SWATHLS PAVITHRA.M	OBSTACLE DETECTION AND WARNING SYSTEM	III/B
9.	RANJITH KUMAR.N RAMESH.S.R MAHADURAL.V RANGASAMY.R SEKAR.S	INVERTER DC-AC	III/B
10.	KARTHIKA DEVI.S NANDHINI.M JANANI.T MONISH.S	LIGHT DETECTOR	II
11.	SARANYA.P MYTHILL.N LATHA.S MADHUMITHA.J.S	TOUCH SENSOR	II
12.	AJITHA.P SUVETHA.T MERLIN INFANTA.S KAVIYA.M	MOBILE DETECTOR	II

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13.	SHANKARANARAYANAN.M MOHANRAJ.S SARAVANAN.V SIBIN.S	MOBILE CHARGING WITHOUT CHARGER	II
14.	KARTHIK EDISONRAJA.R HARIHARAN.R	SELF LEARNING AUTOMATIC LOAD CUT OFF POWER SAVING	II
15.	JEEVA.R PRAVEEN.D PREMKUMAR.G ANBALAGAN.M	AUTOMATIC LIGHT	II
16.	KAMALI SOUNDARYA.E INIYADHARANI.R DIVYADEVI.V	BREAK FAILURE INDICATOR	II
17.	KANIMOZHIL.V PREETHA.E NITHYA SRLR EMAIYA.K	TESLA COIL	II
18.	KAVINKUMAR.K PRAVIN.R JEEVA.M	DAY AND NIGHT INDICATOR	II
19.	GANESHBABU.V BHARATHI KANNAN.M BHARATH.S ARAVIND.R	AUTOMATIC STREET LIGHT	II
20.	LOGESHWARAN.V PRAKASH.S.P RATHNA KUMAR.V	FIRE ALARM	II
21.	MANOJKUMAR.V MATHUBALAN.S BOOPATHI.M GOKULRAJ	ADVANCE HEARING AID	II
22.	MUGESH.M VIVEK.V NAVANEETHAN.S DINESH KUMAR.S	POWER GENERATOR	II
23.	PIREETHI.A NANCY ASMITHA.P.A SUJITHA.E	SMOKE DETECTOR	II
24.	VIGNESH KUMAR.V PRAVIN KUMAR.P SABAREESHWARAN.A PRAKASH.C	SELF BALANCING ROBOT	IV/B
25.	PRAVEEN KUMAR.M KARTHICK.A JOTHIBASU.K	ARDUINO LAMP CIRCUIT	IV/A
26.	GAYATHRI.K KALAICHELV.V CATHRINAL.J	TEMPERATURE CONTROLLED DC FAN	III/A
27.	JANANI.R KOKILAVANI.M KOWSALYA.K	SIREN GENERATOR	III/A
28.	JASMINE.B GOWSALYA.A HARIHARAN.N BASKAR.K	MUSIC RHYTHM WITH LED	III/A


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Batch. No	Student's Name	Name of the Project	Year/Sec
29.	GOKUL RAMANAN.E GOWTHAM.S JEEVA.K KRISHNAMOORTHI.S	MOTOR GENERATOR	III/A
30.	DHIVAGAR.S DHIVAGAR.N GOKUL.S	AUTOMATIC CHANGEROVER	III/A
31.	GOBI KRISHANAN.R GOKUL N.R DINAHARAN.S	12V DC TO 220V AC INVERTER	III/A
32.	KANNAN.S CHIDAMABARAM.B KARTHICK.C HARISUTHAN.V GOWTHAM.V	FM TRANSMITTER	III/A
33.	SRINITHI.G SWATHI.R LAVANYA.R MAHAESWARLA MONISHA.V	TRAFFIC LIGHT CONTROL	III/B
34.	POOJA.R PRIYADHARSHINI.S SRIABIRAMI.B MONIKA.S	FRIDGE DOOR ALARAM	III/B


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1.	ARUN KUMAR .C GOKULAKRISHNAN.S HARIHARAN.G ELANCHEZHIAN.P	AUTOMATED LIGHT INTENSITY USING ARDUINO	III/A	40	42	82	
2.	VIMAL KUMAR.S GOKULRAJ.B DHANRAJ.S	AUTOMATIC WATER PUMP CONTROLLER	III/A	38	30	68	
3.	HARINI.S KEERTHIKA.C DICKMAN PIOUS .P	BLUETOOTH CONTROLLED ROBOT CARS USING AURDINO	III/A	40	31	71	
4.	SRINIVASAN.R STEPHEN IMMANUVEL.J SURENDHAR.M.M SOUNDHARYA.S	VISITOR COUNTER	III/B	44	44	88	III
5.	NAVEEN .M.T MURUGANANTH.M SATHISH KUMAR.M PRAVEENKUMAR.B YOKESHKANNA.K.R	WIFI- CONTROLLED ROBOT USING ARDUINO	III/B	31	40	71	
6.	GOWTHAM C MADHAN.G LOHESH.J YOGESHWARAN.S	INTRUDER ALARM USING ARDUINO AND GSM	III/B	40	32	72	
7.	SRINITHI G SWATHI.R LAVANYA.R MAHAESWARLA MONISHA.V	MOBILE PHONE DETECTOR	III/B	35	36	71	
8.	MOUNISHA.S YOGAPRIYA.S SWATHI.S PAVITHRA.M	OBSTACLE DETECTION AND WARNING SYSTEM	III/B	45	44	89	II
9.	RANJITH KUMAR.N RAMESH.S.R MAHADURAL.V RANGASAMY.R SEKAR.S	INVERTER DC-AC	III/B	40	35	75	
10.	KARTHIKA DEVIS NANDHINI.M JANANI.T MONISH.S	LIGHT DETECTOR	II	42	40	82	
11.	SARANYA.P MYTHILI.N LATHA.S MADHUMITHA.J.S	TOUCH SENSOR	II	41	40	80	
12.	AJITHA.P SUVETHA.T MERLIN INFANTA.S KAVIYA.M	MOBILE DETECTOR	II	30	35	75	

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14.	KARTHIK EDISONRAJA.R HARIHARAN.R	SELF LEARNING AUTOMATIC LOAD CUT OFF POWER SAVING	II	32	33	65	
15.	JEEVA.R PRAVEEN.D PREMKUMAR.G ANBALAGAN.M	AUTOMATIC LIGHT	II	31	34	65	
16.	KAMALI SOUNDARYA.E INIYADHARANI.R DIVYADEVI.V	BREAK FAILURE INDICATOR	II	45	46	91	1
17.	KANIMOZHI.V PREETHA.E NITHYA SRIR EMAIYA.K	TESLA COIL	II	35	36	71	
18.	KAVINKUMAR.K PRAVIN.R JEEVA.M	DAY AND NIGHT INDICATOR	II	38	32	70	
19.	GANESHBABU.V BHARATHI KANNAN.M BHARATH.S ARAVIND.R	AUTOMATIC STREET LIGHT	II	38	30	68	
20.	LOGESHWARAN.V PRAKASH.S.P RATHNA KUMAR.V	FIRE ALARM	II	40	41	81	
21.	MANOJKUMAR.V MATHUBALAN.S BOOPATHI.M GOKULRAJ	ADVANCE HEARING AID	II	41	30	71	
22.	MUGESH.M VIVEK.V NAVANEETHAN.S DINESH KUMAR.S	POWER GENERATOR	II	30	35	75	
23.	PIREETHI.A NANCY ASMITHA.P.A SUJITHA.E	SMOKE DETECTOR	II	41	42	83	
24.	VIGNESH KUMAR.V PRAVIN KUMAR.P SABAREESHWARAN.A PRAKASH.C	SELF BALANCING ROBOT	IV/B	40	41	81	
25.	PRAVEEN KUMAR.M KARTHICK.A JOTHIBASU.K	ARDUINO LAMP CIRCUIT	IV/A	40	40	80	
26.	GAYATHRI.K KALAICHELV.I.V CATHRINAL.J	TEMPERATURE CONTROLLED DC FAN	III/A	40	31	71	
27.	JANANI.R KOKILAVANI.M KOWSALYA.K	SIREN GENERATOR	III/A	42	30 30	72	
28.	JASMINE.B GOWSALYA.A HARIHARAN.N BASKAR.K	MUSIC RHYTHM WITH LED	III/A	38	32	70	

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31.	GOBI KRISHANAN.R GOKUL N.R DINAHARAN.S	12V DC TO 220V AC INVERTER	III/A	25	26	71	
32.	KANNAN.S CHIDAMABARAM.B KARTHICK.C HARISUTHAN.V GOWTHAM.V	FM TRANSMITTER	III/A	38	37	70	
33.	SRINITHI.G SWATHI.R LAVANYA.R MAHAESWARI.A MONISHA.V	TRAFFIC LIGHT CONTROL	III/B	35	32	67	
34.	POOJA.R PRIYADHARSHINI.S SRIABIRAMI.B MONIKA.S	FRIDGE DOOR ALARM	III/B	37	32	69	

W. S. R. J. M.
19/08/17
R. N.
19/8/17
Jury's Signature

P. S. J.
19/8/17
Association Co-ordinator

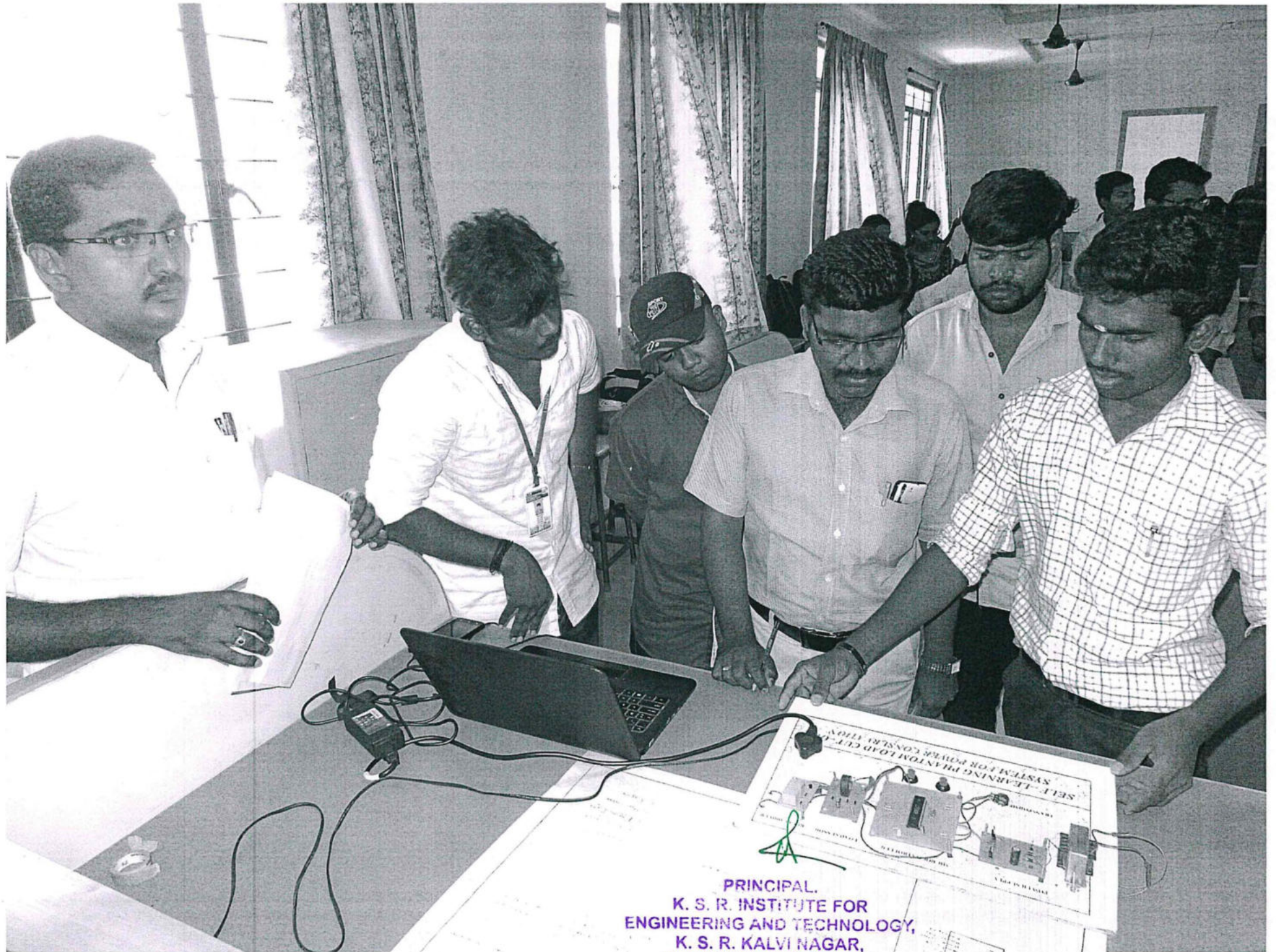
A. J.
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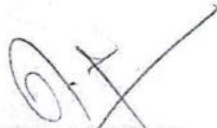


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND IMPLEMENTATION OF PELTIER BASED SOLAR POWERED PORTABLE REFRIGERATION SYSTEM" is the bonafide work of "N.KARTHIGA M.KAVIN KUMAR, G.ANBARASAN" who carried out the project work under my supervision.

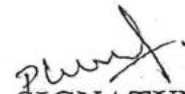


SIGNATURE

Dr.R.JEYABHARATH M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor & Head
Electrical and Electronics
Engineering,
K S R Institute for Engineering
and Technology,
Tiruchengode-637215.



SIGNATURE

Mr.P.KRISHNA KUMAR M.E.,

SUPERVISOR

Assistant Professor
Electrical and Electronics
Engineering,
K S R Institute for Engineering
and Technology,
Tiruchengode-637 215.

Submitted for the Project work Viva-Voce held on 12.4.2018



INTERNAL EXAMINER

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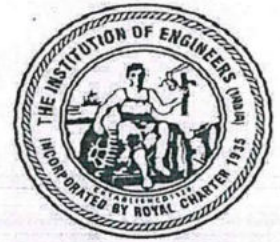
EXTERNAL EXAMINER

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY



TIRUCHENGODE - 637215

DEPARTMENT OF EEE



IDEA CONTEST

Conducted by



BEES ASSOCIATION

CHIEF GUEST

Mr.M.Kalai raja, B.E.,M.S.,
Assistant Executive Engineer,
TNEB

Date: 19.08.2017

Venue: Power Electronics lab

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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INTRA DEPARTMENT PROJECT CONTEST CUM EXHIBITION -2017-2018

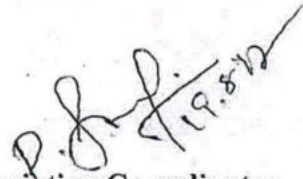
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3.	HARIN.S KEERTHIKA.C DICKMAN PIOUS .P	BLUETOOTH CONTROLLED ROBOT CARS USING AURDINO	III/A
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17.	KANIMOZHILV PREETHA.E NITHYA SRLR EMAIYA.K	TESLA COIL	II
18.	KAVINKUMAR.K PRAVIN.R JEEVA.M	DAY AND NIGHT INDICATOR	II
19.	GANESHBABU.V BHARATHI KANNAN.M BHARATH.S ARAVIND.R	AUTOMATIC STREET LIGHT	II
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Jury's Signature

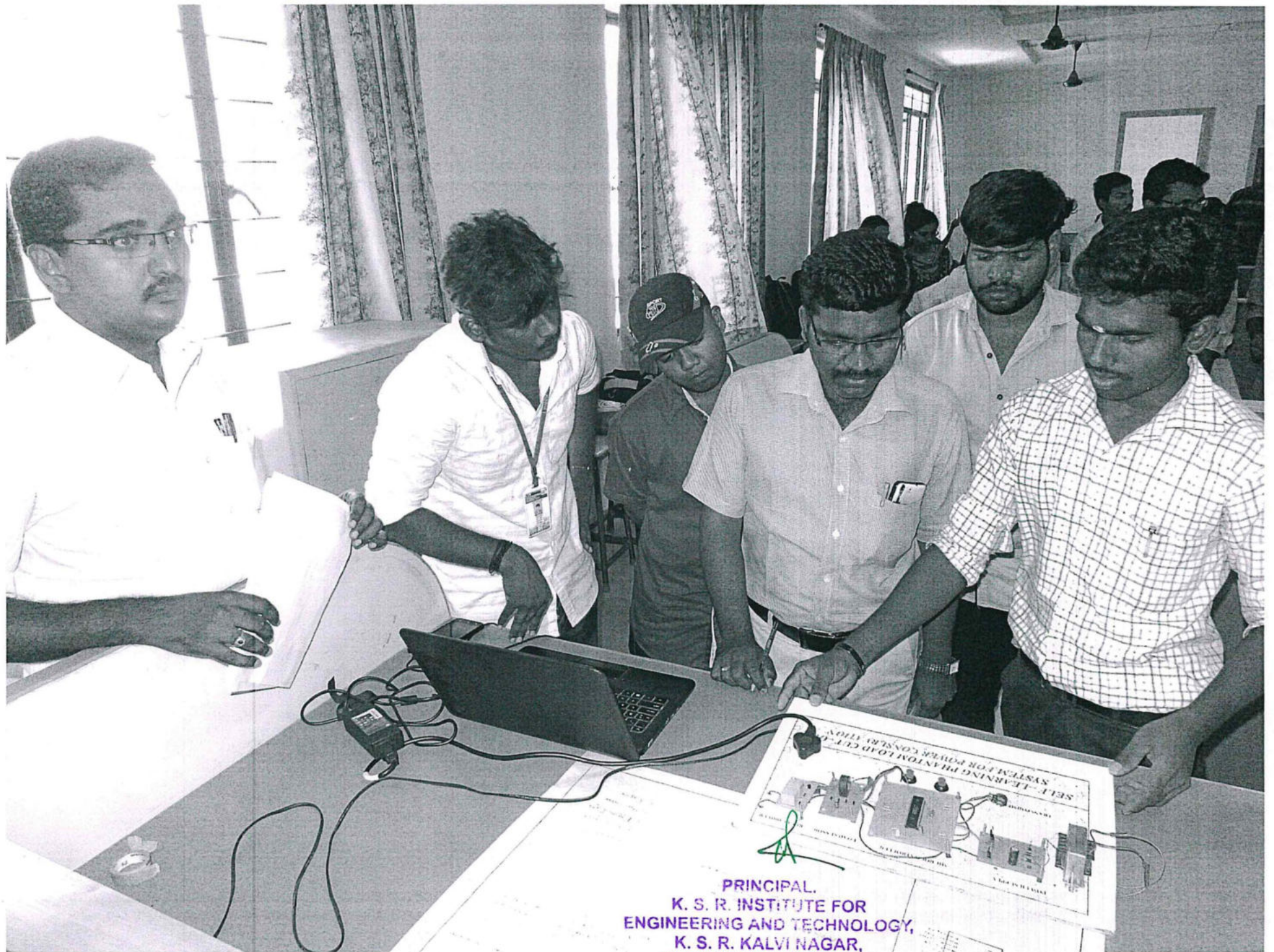
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JSW Steel Limited

Salem Works : P.O. Pottaneri,
Mecheri, Mettur - Tk,

Salem - Dt. Pin : 636 453
Tamilnadu, India.

CIN No. : L27102MH1994PLC152925

Phone : +91 4298 272000

Fax : +91 4298 272272

Website : www.jsw.in

Ref: JSW-SLM/HR/IPT/ 145/208

01 December 2016

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. J.STEPHEN IMMANUVEL, BE (EEE), Third Student of K.S.R Institute for Engineering and Technology, Namakkal has successfully completed the in plant training in our organization from 27.11.17 to 01.12.17

During the in plant training period his conduct was good and we wish him all the best for his future endeavors.

For JSW STEEL LIMITED

J P AMBROSE
GENERAL MANAGER (HR & ADMIN)

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.



Part of O.P. Jindal Group

Registered Office : JSW Centre
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051

Phone : +91 22 4286 1000

Fax : +91 22 4286 3000

No. : 3358 3204507
No.: 949922 / Dt. 25.06.2009
No : AAIFB9648KSD001

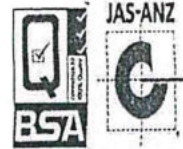
Office : 04288 251889
Cell : 098427 35883



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1/86, Elampuliampalayam, ANDIPALAYAM POST - 637 214.
Tiruchengode Taluk, Namakkal District. Tamilnadu.

e-mail : bharathradiators@gmail.com / www.bharathradiators.com



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ICE 2001

PROJECT WORK CERTIFICATE

This is to certify that Thiru / Mr. M K. PRAVIEEN,
B.E / EEE Final year of K.S.R INSTITUTE FOR ENGINEERING &
TECHNOLOGY, TIRUCHENGODE, NAMAKKAL D.T her done Project
work on A NOVEL HYDRAULIC OIL COOLING SYSTEM FOR BORE WELL
INDUSTRY Under the guidance Mr.M.Matheswaran at Bharath
Radiators, Tiruchengode from 08-02-2018 To 19-02-2018.

Signature of the Student,



For BHARATH RADIATORS

M. Matheswaran
Partner

PRINCIPAL.
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

N No. : 3358 3204507
S.T. No. : 949922 / Dt. 25.06.2009
T. No. : AAIFB9648KSD001

Office : 04288 251889
Cell : 098427 35883



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This is to certify that Thiru / Mr. M S. RAHUL ,
B.E / EEE Final year of K.S.R INSTITUTE FOR ENGINEERING &
TECHNOLOGY, TIRUCHENGODE, NAMAKKAL D.T her done Project
work on A NOVEL HYDRAULIC OIL COOLING SYSTEM FOR BORE WELL
INDUSTRY Under the guidance Mr.M.Matheswaran at Bharath
Radiators, Tiruchengode from 08-02-2018 To 19-02-2018.

M.S. Ramesh
Signature of the Student,



For BHARATH RADIATORS

M. Matheswaran
Partner

[Signature]
PRINCIPAL
K. S. R. INSTITUTE FOR
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NAMAKKAL DI, TAMIL NADU.

N No. : 3358 3204507
S.T. No. : 949922 / Dt. 25.06.2009
T. No. : AAIFB9648KSD001

Office : 04288 251889
Cell : 098427 35883



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This is to certify that Thiru / Mr. T. RANJITH ,
B.E / EEE Final year of K.S.R INSTITUTE FOR ENGINEERING &
TECHNOLOGY, TIRUCHENGODE, NAMAKKAL D.T her done Project
work on A NOVEL HYDRAULIC OIL COOLING SYSTEM FOR BORE WELL
INDUSTRY Under the guidance Mr.M.Matheswaran at Bharath
Radiators, Tiruchengode from 08-02-2018 To 19-02-2018.

Signature of the Student,



For BHARATH RADIATORS

Partner

PRINCIPAL,
K. S. R. INSTITUTE FOR
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K. S. R. KALVI NAGAR,
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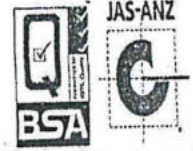
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No. : AAIFB9648KSD001



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e-mail : bharathradiators@gmail.com / www.bharathradiators.com



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PROJECT WORK CERTIFICATE

This is to certify that Thiru / Mr. P. TAMIL SELVAN,
B.E / EEE Final year of K.S.R INSTITUTE FOR ENGINEERING &
TECHNOLOGY, TIRUCHENGODE, NAMAKKAL D.T her done Project
work on A NOVEL HYDRAULIC OIL COOLING SYSTEM FOR BORE WELL
INDUSTRY Under the guidance Mr.M.Matheswaran at Bharath
Radiators, Tiruchengode from 08-02-2018 To 19-02-2018.

Signature of the Student,



For BHARATH RADIATORS

Partner

PRINCIPAL,
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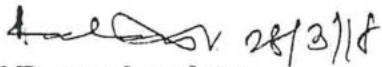
Pers/PC1

2018-03-28


CERTIFICATE

This is to certify that **Mr.S.MOTHINATH (731614105034)**, **Final Year – B.E Electrical and Electronics Engineering** student from **K.S.R Institute for Engineering and Technology, Tiruchengode – 637 215**, has undergone Project in the Title of **AUTOMATIC COLORED PAPER PULP MIXER**, from **25.01.2018 to 25.02.2018** in our Organization and completed the Project Successfully.

For Seshasayee Paper and Boards Limited,



K.Ramachandran
Senior Executive (Industrial Relations)


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CIN : L21012TZ1960PLC000364

Pers/PC2

2018-03-28

CERTIFICATE

This is to certify that **Ms.M.PRIYANKA (731614105045)**, Final Year – **B.E Electrical and Electronics Engineering student** from **K.S.R Institute for Engineering and Technology, Tiruchengode – 637 215**, has undergone Project in the Title of **AUTOMATIC COLORED PAPER PULP MIXER**, from 25.01.2018 to 25.02.2018 in our Organization and completed the Project Successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran

Senior Executive (Industrial Relations)

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Pers/PC1

2018-03-28


CERTIFICATE

This is to certify that **Mr.S.RAVINDRAN (731614105052)**, Final Year – B.E Electrical and Electronics Engineering student from K.S.R Institute for Engineering and Technology, Tiruchengode – 637 215, has undergone Project in the Title of AUTOMATIC COLORED PAPER PULP MIXER, from 25.01.2018 to 25.02.2018 in our Organization and completed the Project Successfully.

For Seshasayee Paper and Boards Limited,


K.Ramachandran

Senior Executive (Industrial Relations)


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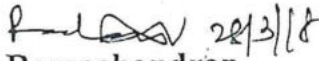
Pers/PC1


2018-03-28

CERTIFICATE

This is to certify that **Mr.S.SURYA (731614105063), Final Year – B.E Electrical and Electronics Engineering student** from **K.S.R Institute for Engineering and Technology, Tiruchengode – 637 215**, has undergone Project in the Title of **AUTOMATIC COLORED PAPER PULP MIXER**, from **25.01.2018 to 25.02.2018** in our Organization and completed the Project Successfully.

For Seshasayee Paper and Boards Limited,


K.Ramachandran
Senior Executive (Industrial Relations)


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PICK AND DROP ROBOTIC ARM USING EMBEDDED SYSTEM" is the bonafide work of BALACHANDAR K R, KANAGA PRIYA R, KARTHIK A, PRAVEENKUMAR M, who carried out the project work under my supervision.


SIGNATURE

Dr. R. JEYABHARATH, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor & Head

Electrical and Electronics Engineering,

K S R Institute for Engineering

and Technology,

Tiruchengode -637 215.


SIGNATURE

Dr. P.VEENA, M.E., Ph.D.,

SUPERVISOR

Professor

Electrical and Electronics Engineering,


K S R Institute for Engineering

and Technology,

Tiruchengode -637 215.

Submitted for the Project work Viva-Voce held on 12-04-2018


INTERNAL EXAMINER


EXTERNAL EXAMINER

PRINCIPAL,
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Pers/Inplant Trg/

2017-12-08

CERTIFICATE

This is to certify that the following II year BE (Electrical and Electronics Engineering) students from K S R Institute for Engineering and Technology, Tiruchengode , have undergone inplant training in our organisation from 02.12.17 to 08.12.17 and successfully completed the training.

M/s

1. Logeshwaran V
2. Mohanraj S
3. Nithiyasri R
4. Vivek V
5. Iniya dharani R
6. Mythili N
7. Sujitha E
8. Saranya P

For Seshasayee Paper and Boards Ltd.,

(R Durai)
Deputy Manager (Personnel)

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K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI. TAMIL NADU.



ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PV FED BLDC MOTOR USING ZETA CONVERTER" is the bonafide work of "NAGAMANI E., SANGAVI K., VIJAYAN N., VINOOTH KUMAR R" who carried out their project work under my supervision.



SIGNATURE

Dr. R. JEYABHARATH, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor & Head

Electrical and Electronics Engineering,

KSR Institute for Engineering

and Technology,

Tiruchengode -637 215.



SIGNATURE

Ms.K.M.PRIYADHARSHINI, M.E.,

SUPERVISOR

Assistant Professor

Electrical and Electronics Engineering,

KSR Institute for Engineering

and Technology,

Tiruchengode -637 215.

Submitted for the Project work Viva-Voce held on 10-04-2018

INTERNAL EXAMINER



EXTERNAL EXAMINER



PRINCIPAL.
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "BLOOD BANK TRANSFER USING QUADCOPTER" is the bonafide work of "MYTHILY B., STEEPHANSIBU S., UTHIRAKUMAR E., YOKESHWARAN B" who carried out their project work under my supervision.



SIGNATURE

Dr. R. JEYABHARATH, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor & Head

Electrical and Electronics Engineering,

KSR Institute for Engineering
and Technology,

Tiruchengode -637 215.



SIGNATURE

Mr.S.KRISHNAKUMAR, M.E.,

SUPERVISOR

Assistant Professor

Electrical and Electronics Engineering,


KSR Institute for Engineering
and Technology,

Tiruchengode -637 215.

Submitted for the Project work Viva-Voce held on 12.04.18



INTERNAL EXAMINER

A.P. 12/4/2018

EXTERNAL EXAMINER

**PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.**

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL RIG HYDRAULIC OIL COOLING SYSTEM FOR BORE WELL INDUSTRY " is the bonafide work of "PRAVIEEN M K, RAHUL M S, RANJITH T, TAMIL SELVAN P" who carried out the project work under my supervision.



SIGNATURE

Dr. R. JEYABHARATH M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Electrical and Electronics
Engineering,

K S R Institute for Engineering
and Technology,

Tiruchengode-637 215.



SIGNATURE

Mr. A. MURUGESAN M.E.,

SUPERVISOR

Assistant Professor

Electrical and Electronics
Engineering,

K S R Institute for Engineering
and Technology,

Tiruchengode-637 215.

Submitted for the Project work Viva-Voice held on 12/04/2018



INTERNAL EXAMINER



EXTERNAL EXAMINER



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TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.



1.3.2 Average percentage of courses that include experiential learning through project work /field work/internship during last five years.

B.E. – Electronics and Communication Engineering

S. No.	Name of the Course	Course Code	Name of the students	Page No.
1.	Electronic Circuits- I	EC6304	Ravi.S	101
2.	Electronic Circuits II	EC6401	Ravi.S	102
3.	Communication Theory	EC6402	Karthikeyan . P	103
4.	Communication System Laboratory	EC6512	Abdulkadhar. S	106
5.	VLSI Design	EC6601	Venkatesh .V	107
6.	VLSI Design Laboratory	EC6612	Venkatesh .V	108
7.	RF and Microwave Engineering	EC6701	Ravi. S	109
8.	Optical Communication and Networks	EC6702	Ravi. S	110
9.	Embedded and Real Time Systems	EC6703	Vinay	111
10.	Opto Electronic Devices	EC6016	Yogesh. S	104
11.	Optical and Microwave Laboratory	EC6712	Ravi. S	110
12.	Wireless Communication	EC6801	1.B.Vigneshwar 2.M.Logeshkumar 3.E.Mahaboof sherif 4.B.Madhu Krishna.	112
13.	Project Work	EC6811	1.Premkumar 2.Sharanya.A 3. Naveenraj N 4. Monica Devapriyam . P	124

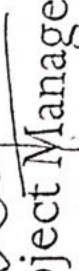
CERTIFICATION OF COMPLETION

This is to certify that RAVI.S has done implant training from 21.05.18 to 28.05.18 during the course of time, the performance of the trainee is found to be

GOOD



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K. S. R. INSTITUTE FOR
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K. S. R. KALVI NAGAR,
TRUCHENGODE-637 215,
TAMILNADU, INDIA


Project Manager

No.10/8, 3rd cross, Banaswadi Main Road, Maruthi Seva Nagar, Bangalore-560033,9845485964.
info@technilab.in | www.technilab.in

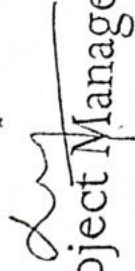
CERTIFICATION OF COMPLETION

This is to certify that RAVI.S has done implant training from 21.05.18 to 28.05.18 during the course of time, the performance of the trainee is found to be

GOOD



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K. S. R. KALVI NAGAR,
TRUCHENGODE-637 215,
TAMILNADU, INDIA


Project Manager

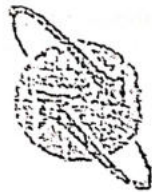
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B S N L

T N S B

OFFICE OF THE GENERAL MANAGER, Telecom, Erode - 638 001.

This is to certify that... P. Karthikeyan...
III Year Student of K.S.R. Institute for Engineering and Technology
with Roll No. 731615106033 has undergone Fundamentals of Telecom Training
from 16.12.2017 to 22.12.2017

R. Srinivasan

[Signature]

General Manager (Admin & HR)

K.S.R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
ERODE - 638 001

Date: _____
Place: Erode

**KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE**

Department of Electronics and Communication Engineering
IN PLANT TRAINING REPORT

DATE: 27/2/2017

Yogesh.s,
Second year,

Department of Electronics and Communication Engineering.

On receiving the Call Of Permission From ASHOK LEYLAND LIMITED, Hosur, I have gone on the in plant Training to the ASHOK LEYLAND at Hosur from 16/2/2017 to 22/2/2017. On 6 days of Training I have reached the company at 9am and left the premises at 4.30pm.

Our schedule on ASHOK LEYLAND training is that

DAY	TOPICS	LOCATION
26/11/2018	Axle Assembly , SMP	ASHOK LEYLAND
27/11/2018	Frame Assembly	ASHOK LEYLAND
28/11/2018	Chassis Assembly (LCV)	ASHOK LEYLAND
29/11/2018	Chassis Assembly MDV & RTP	ASHOK LEYLAND
30/11/2018	Chassis Assembly HGP	ASHOK LEYLAND
01/12/2018	LCV (PDI)	ASHOK LEYLAND

On the first day of my training under the topics, I got theoretical knowledge about the company, employees, contractors, production, types of vehicles, contract labours training, parts of the vehicles etc. After that I went to visit Axle Assembly shop, in that shop I have observed how they are fitting the parts for Front, Rear Axle and Dummy Axle. After that I went to SMP(side membrane punching shop),In that shop they were punching the frame of the vehicle .side frame is the back bone of the vehicle

On the second day of my training, they thought me how they Assemble the frame of LCV, MDV and HGP.

On the third day of my training, they thought me about the Chassis Assembly of (LCV) vehicle.

On 4th and 5th day of my training, they thought me about the Chassis Assembly of (MDV & HGP) heavy vehicles.

On 6th day of my training, they thought me about wheel Alignment and road test of the vehicle.


Finally I have participated in a Awareness program about plastic bags

I thank my HOD who motivated me to go on the training, the faculty members who guided us and the officials who explained the various sectors

Thanking you

**Yours Faithfully,
Yogesh.s**

HOD


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**K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE 637 215,
NAMAKKAL DI. TAMIL NADU.**



ASHOK LEYLAND

22.02.17

CERTIFICATE

This is to certify that **YOKESH.S** (Reg No: 731616106084)
pursuing **B.E. (ELECTRONICS AND COMMUNICATION
ENGINEERING)** at **KSR INSTITUTE FOR ENGINEERING AND
TECHNOLOGY, NAMAKKAL** has undergone **In-Plant** training at our
Ashok Leyland, Unit-II, Hosur between **16.02.17** to **22.02.17**

E V SURESH
Manager - HR

ASHOK LEYLAND LIMITED

77, Sipcol Electronics Complex, Phase II, Kumudepalli, Hosur - 635 109, India.

t: +91 4344 269200 f: +91 4344 260048

e: reachus@ashokleyland.com

Regd. Office: No. 1, Sardar Patel Road, Guindy,

Chennai - 600 032, India. t: +91 44 2220 6000 f: +91 44 2220 6001

CIN : L34101TN1948PLC000105

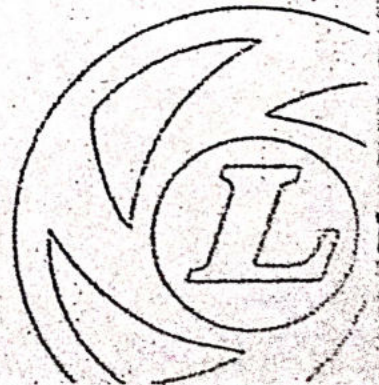
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சான்றிதழ் / CERTIFICATE

This is to Certify that Mr./Ms. S.ABDUL KADHAR

has undergone.....Fundamentals of Telecom Training

ஊர் 22.12.2017 to 29.12.2017

Place: Salem

Date: 29.12.2017

Asw

Manager (HR & Admn.)

[Signature]

PRINCIPAL,

K. S. R. INSTITUTE FOR

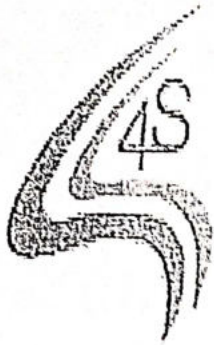
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TIRUCHENGODE-637 215,

NAMAKKAL Dt. TAMIL NADU.


Tamilnadu Telecom Circle.



4semi Technology India Pvt Ltd.

Spirit of Service

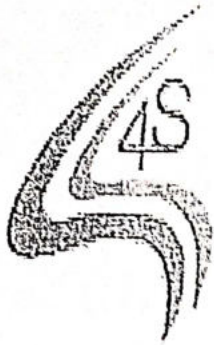
This is to certify that.....V. VENKATESH.....
.....IV..... Year student of K.S.R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY
with Roll No 731614106312..... has undergone in plant training from
.....05.12.2017..... to 11.12.2017.....


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Project Manager

No: 3021, 4th Main (Behind Mariyappa College), M.K.K Road, Gayathrinagar, Bangalore – 560 021. +91 - 80 - 2352 5955.


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Spirit of Service

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.....IV..... Year student of K.S.R. INSTITUTE FOR ENGINEERING
AND TECHNOLOGY
with Roll No 731614106312..... has undergone in plant training from
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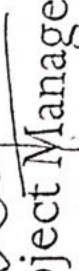
CERTIFICATION OF COMPLETION

This is to certify that RAVI.S has done implant training from 21.05.18 to 28.05.18 during the course of time, the performance of the trainee is found to be

GOOD



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TAMILNADU, INDIA


Project Manager

No.10/8, 3rd cross, Banaswadi Main Road, Maruthi Seva Nagar, Bangalore-560033,9845485964.
info@technilab.in | www.technilab.in

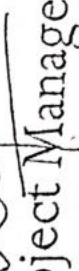
CERTIFICATION OF COMPLETION

This is to certify that RAVI.S has done implant training from 21.05.18 to 28.05.18 during the course of time, the performance of the trainee is found to be

GOOD



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www.hal.edu.com

HAL
 HAWAIIAN AIRCRAFT CORPORATION
 1001 KALANANAKU DRIVE, SUITE 1000
 HONOLULU, HAWAII 96813-2000
 TEL: (808) 941-1000 FAX: (808) 941-1001
 WWW.HAL.EDU.COM

RECEIVED AT THE OFFICE OF THE
 PRINCIPAL
 K. S. R. INSTITUTE FOR
 ENGINEERING AND TECHNOLOGY
 NAMAKKAL DI, TAMIL NADU

DATE: 21/05/2018
 TO: THE PRINCIPAL, K. S. R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY, NAMAKKAL DI, TAMIL NADU.
 FROM: MR. V. VINAY, PROJECT WORKS/INDUSTRIAL TRAINING, HAL.

SUBJECT: PROJECT WORKS/INDUSTRIAL TRAINING.

Reference is made to your letter dated 21.05.2018 requesting for Project Work/Industrial Training for the following student in HAWAIIAN AIRCRAFT CORPORATION.

S/No.	Name
1	Mr. V. Vinay

We are pleased to accept the student to undergo Project Work/Industrial Training in HAWAIIAN AIRCRAFT CORPORATION, Bangalore for a period from 01.06.2018 to 30.06.2018 subject to the following Terms & Conditions.

- The training project is purely for Non-Pay/for-fee basis.
- Only Bannalore students of the institution should be sponsored.
- The student should be of Indian nationality.
- The student will strictly abide by the rules & regulations of the Company, with respect to Gate procedures, shift timings, intervals, Security norms and dress code (Formals).
- The Company will not be in a position to provide lodging, Boarding & Transport facilities and as such they have to make their own arrangements.
- In the event of student meets with any accident within the factory premises, Company will not be liable to pay any compensation.
- Mobile Phones / Laptop / Pen drive or any other electronic gadgets are not allowed inside the premises.

Yours faithfully,
Mr. V. Vinay

Principal,
K. S. R. Institute for Engineering and Technology,
Namakkal Di, Tamil Nadu.

Date: 21/05/2018

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY, Tiruchengode

DEPARTMENT OF ECE

INPLANT TRAINING REPORT

DATE: 27.2.17

ACADEMIC YEAR : 2017-2018

YEAR : 2015-2019

SEMSTER : EVEN

DATE OF TRAINING: 16.2.17 to 22.2.17

AREA : Communication and networks, BSNL Erode

During the visit at Erode the telecom engineer explained about different types of communication channel. Some form of communication transmission in Data transmission circuit.

- ❖ Full-duplex.
- ❖ Half-duplex.
- ❖ Multi-drop. Bus network. Mesh network. Ring network. Star network. Wireless network.
- ❖ Point-to-point.
- ❖ Simplex.

Digital transmission or data transmission traditionally belongs to telecommunications and electrical engineering. Basic principles of data transmission may also be covered within the computer science or computer engineering topic of data communications, which also includes computer networking applications and networking protocols, for example routing, switching and inter-process communication.




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TRAINING DAY	TITLE
DAY 1	EXCHANGE DEPARTMENT
DAY 2	SIGNAL AND TELECOMMUNICATION DEPARTMENT
DAY 3 & 4	NETWORKING AND COMMUNICATION
DAY 5	ROUTE RELAY INTERLOCKING

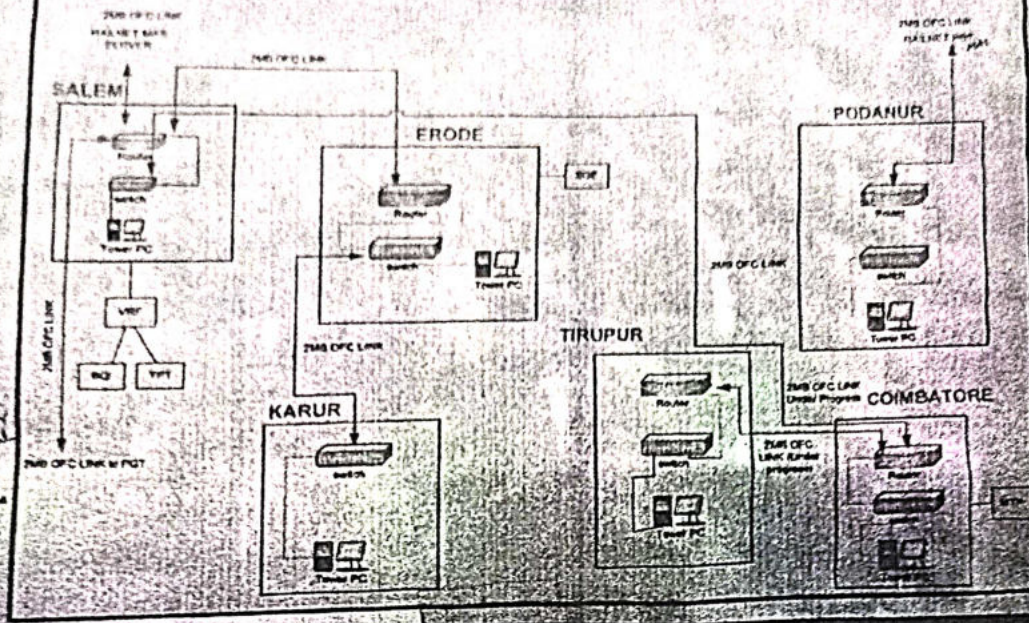
EXCHANGE DEPARTMENT

In exchange department we had learned about,

- 1) Multiplexer – It is used for multiple inputs with single output and single input with multiple outputs.
- 2) Modem – It is modulator and demodulator and it is used to send and receive the transmitted data through telephone or cable lines.
- 3) Router – It is used to send the data packets between the computer networks. A data packet is typically forward from one router to another router through the networks.


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RAILNET ARRANGEMENT OF SALEM DIVISION

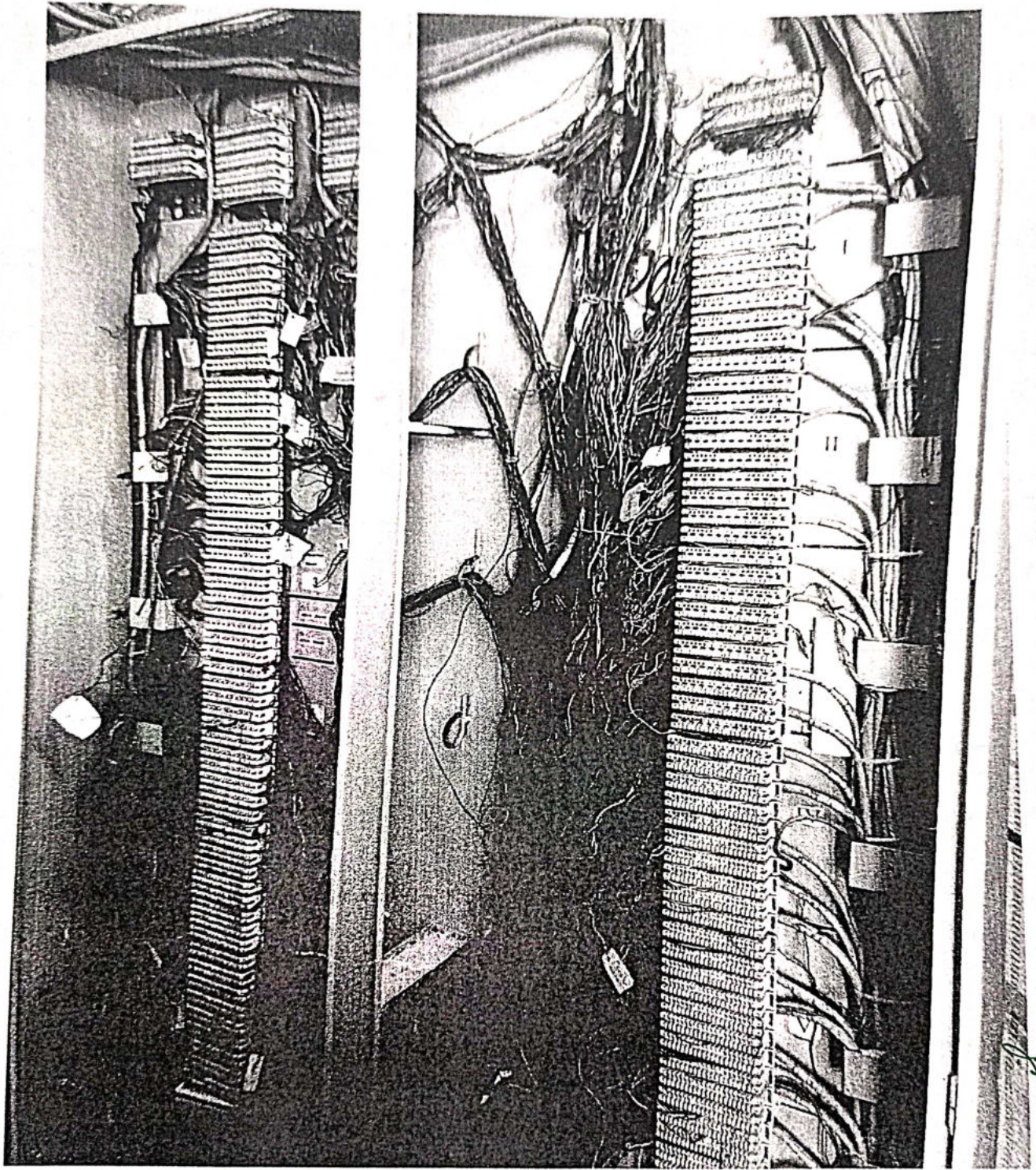


Handwritten notes:
 2MS OFC LINK
 WALNET MAIL DELIVER
 WALNET FINGER MAIL
 WALNET FINGER MAIL
 WALNET FINGER MAIL

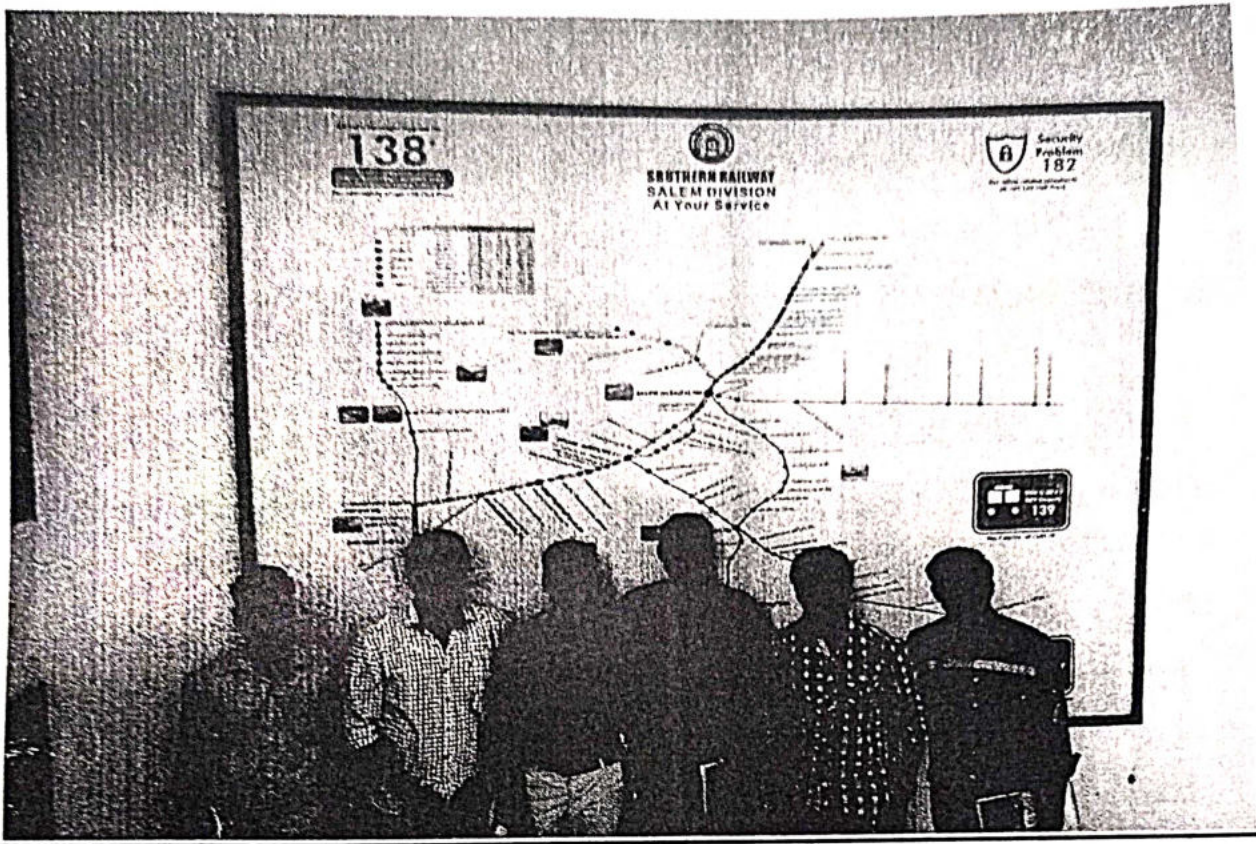
1/17-Engineering
 DEPT. TECHNOLOGICAL

Handwritten signature

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MADURAI




SIGNAL AND TELECOMMUNICATION DEPARTMENT

Pulse Code Modulation – It is a method that is used to convert an analog signal, so that modified analog signal can be transmitted through the digital communication network.

Control office

May be described as the nerve centers of the divisional operating organization.

Exists at each of the divisional headquarter stations.


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Each divisional control office is divided into one or more sections.

Each section is manned round the clock by the section controllers on shift duty.

The work of section controllers is supervised by deputy chief controllers who are also performing in shift duty.


The section controller of each section is provided with control board with telecommunication facilities for contacting stations, certain important cabins, loco sheds etc. over a given length.

For the guidance of the section controller a diagram showing the layout of stations and yards, loop lines capacity, the gradients and the layout of sidings are exhibited in front of him. In electrified areas the diagram showing the various sections, sub-sections and elementary sections are also exhibited.

Communication between control office & way stations

Control communication circuits are used for inter-communication between a section control and all other stations under its jurisdiction with facility for selective calling of any way side station from the control station (i.e. controller).

On non-electrified areas these circuits are provided on a 2-wire basis on the over head lines along the route or on 4-wire basis through underground communication cable wires.


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On electrified areas the control communication circuits are provided on 4-wire basis through underground communication cable wires.

Four wire working was chosen because of the difficulty in maintaining the stability of 2-wire amplifier circuits with long control sections and large number of tapping points practically one per Railway station.

Provision of the control communications

The control communication circuits are engineered to meet the following requirements:

Speech

1. Speech between the controller and the farthest station should be acceptable irrespective of the wayside stations listening in.
2. The controller and the wayside stations should be able to have conference facilities.

Signaling

1. The controller should be able to call any station along the route or a group of stations on the section along the route or all stations simultaneously.
2. The controller should get an audible indication when the bell at the called station rings.


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Control Communication Equipments

The communication equipments that are to be provided at controller's office and at way stations as tabulated below:

Purpose	Equipment at controllers place	Equipment at way station
Speech	1)Hand set&Head set 2)A microphone &loud speaker	Control telephone
DTMF signaling	DTMF encoder	DTMF decoder


Media used for providing control communication circuits:

- 1) Optical Fiber cable
- 2) 6Quad cable

In sections where optic fiber communication system is available it will be used for providing control communication and Quad cable is used for extending emergency control communication, magneto phones at level crossing gates, BPAC, BLOCK and other local circuits.

Control circuits in Non-RE Area

1. Section control
2. Deputy control
3. Emergency control (in U/G cables only)


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Control circuits in RE Area:

In 25KV AC electrified areas the following control circuits are to be provided.

1. Section control
2. Traction power control
3. Deputy control
4. Traction loco control
5. Emergency control
6. Remote control

Way stations

- _ Railway station
- _ Signal Cabin
- _ Loco shed
- _ Sidings (in special cases)
- _ Officer's rooms
- _ Officer's residences
- _ Residences of other emergency staff.


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The above are generally referred to as “way stations” facilities should exist for the way station to be “rung” to establish communication. In cases where ringing facilities are not given the way station is referred to as a “speaking extension”.



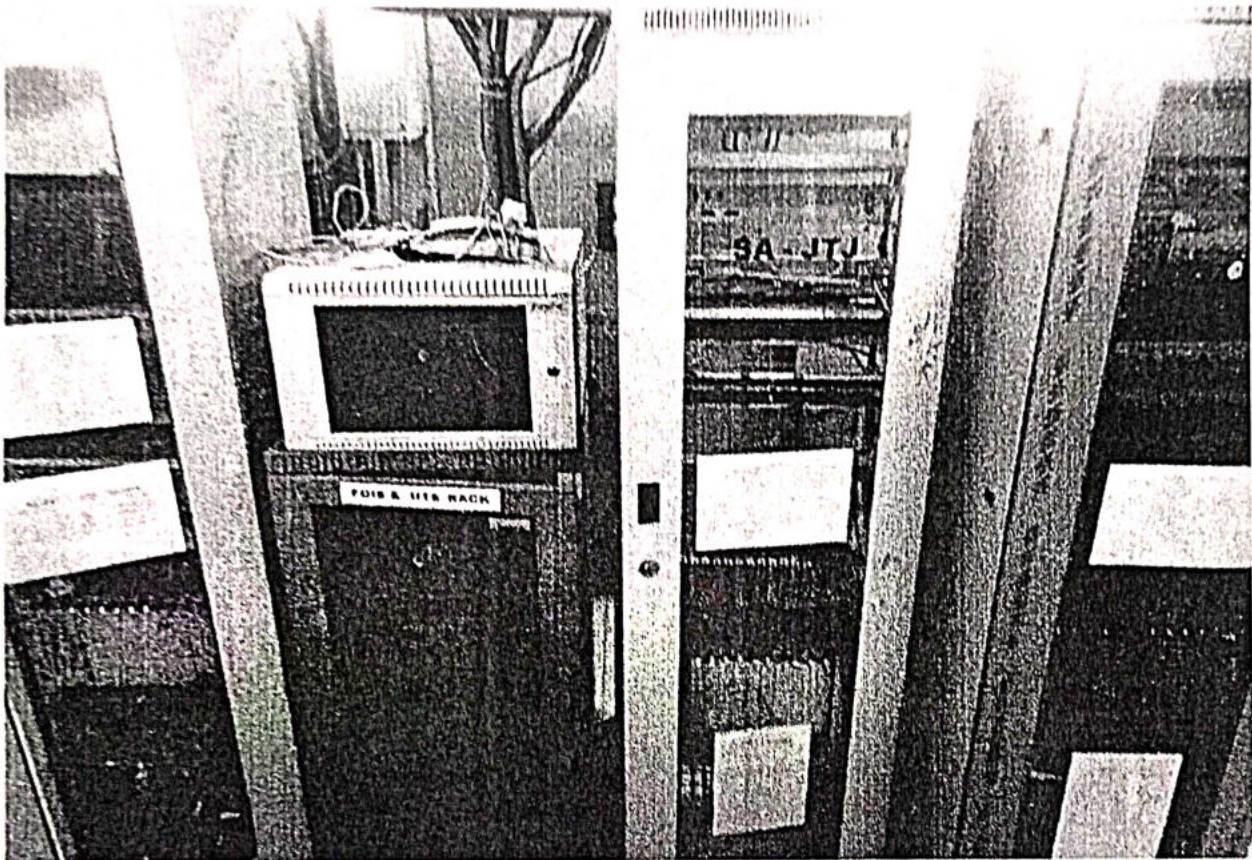
Networking

The network operates by connecting computers and peripherals using switches, routers, and access points. These devices are the essential networking basics that allow the various pieces of


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equipment connected to your network to communicate with one another, as well as with other networks.

Routers, switches, and access points perform very different functions in a network.

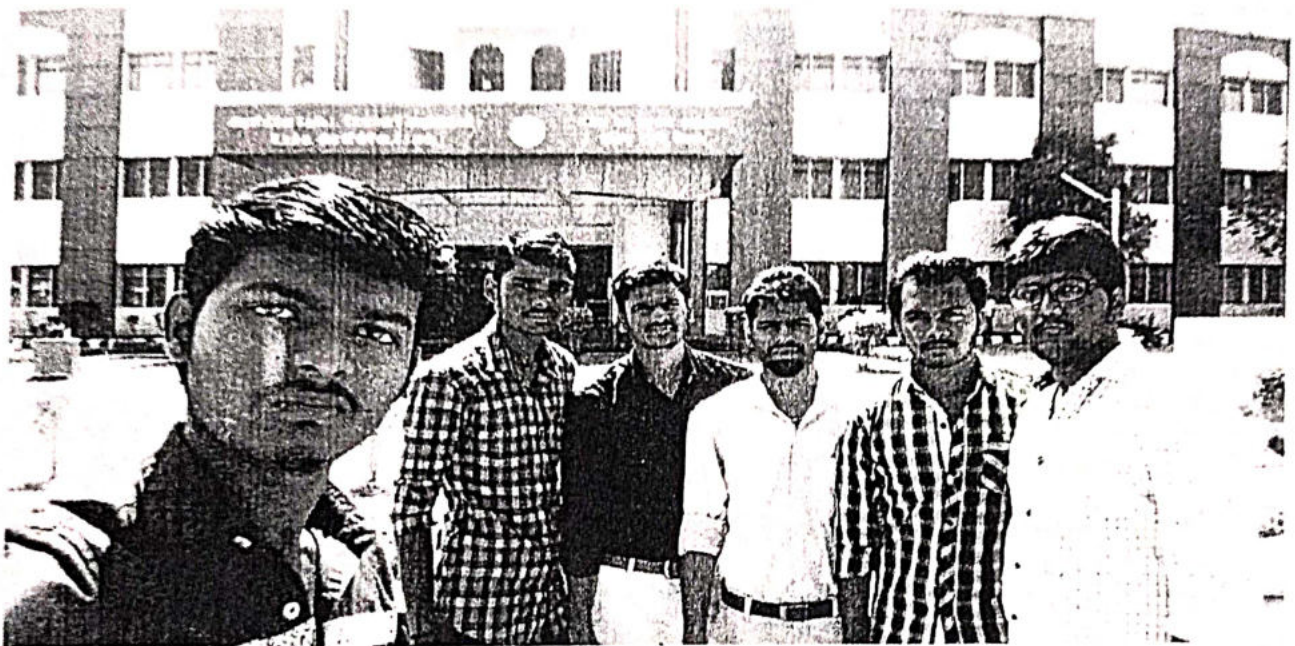



Route Relay Interlocking

Route Relay Interlocking (RRI) and Central Control Panels in signal control system. By mere operations of knobs and


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route buttons, routes are set automatically and signals are cleared with absolute safety. The entire station is track circuited. Points and signals are operated by individual knobs/slides in small yards.




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NAMAKKAL Di, TAMIL NADU.**

SMART AUDITORIUM CONTROL SYSTEM USING ARDUINO

A PROJECT REPORT

Submitted by

PREAM KUMAR.S (Reg No:731614106055)

SHARANYA.A (Reg No:731614106070)

NAVEEN RAJ.N (Reg No:731614106306)

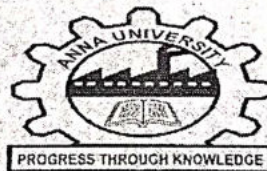
MONICA DEVAPRIYAM.P (Reg No:731614106702)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING



K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE

ANNA UNIVERSITY::CHENNAI 600 025

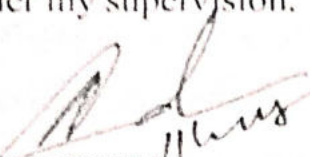
APRIL 2018



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K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU

BONAFIDE CERTIFICATE

Certified that this project report "SMART AUDITORIUM CONTROL SYSTEM USING ARDUINO" is the bonafide work of "PREM KUMAR.S, SHARANYA.A, NAVEEN RAJ.N, MONICA DEVAPRIYAM.P" who carried out the project work under my supervision.

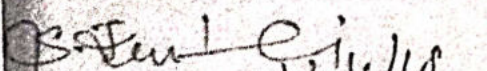

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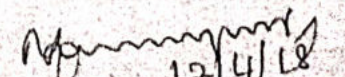
Dr.R.NANDAKUMAR M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR & HEAD
ELECTRONICS & COMMUNICATION
ENGINEERING,
K S R INSTITUTE FOR ENGINEERING
AND TECHNOLOGY,
TIRUCHENGODE-637 215.



SIGNATURE

Mr.T.SENTHIL, M.E.,(Ph.D.),
SUPERVISOR
ASSISTANT PROFESSOR
ELECTRONICS & COMMUNICATION
ENGINEERING,
K S R INSTITUTE FOR ENGINEERING
AND TECHNOLOGY,
TIRUCHENGODE-637 215.

Submitted for the Project work Viva- Voce held on 12-04-2018


INTERNAL EXAMINER


EXTERNAL EXAMINER


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ABSTRACT

The main aim of this paper is to design and employ of power saving in general public places like auditoriums, shopping malls and theatres etc. Generally an Auditorium consists of so many number of electrical and electronic devices or equipment. To control and monitor all these equipment or appliances we need a person or controlling system. In this paper we are presenting the working of smart power controlling and saving in auditoriums, shopping malls, theatres etc., by using an electronic circuit in an easy way without having human being. This paper describes the complete working of electrical and electronic devices with automatic control and also power saving in theatres, shopping malls and auditoriums. To implement this we have used MSP 430 microcontroller, PIR sensors, LED (light Emitting diode)



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K S R Institute for Engineering and Technology

Tiruchengode, Namakkal(Dt) , Tamil Nadu

(Approved by AICTE New Delhi & Affiliated to Anna University Chennai)

BE (CSE,EEE,ECE,Mech)&B.Tech (IT) Programmes are Accredited by NBA

1.3.2 Average percentage of courses that include experiential learning through project work / field work/internship during last five years.

B.E. - Mechanical Engineering

S. No.	Name of the Course	Course Code	Name of the students	Page No.
1.	Materials Science	PH8251	Ajith Kumar T Balaji L Deepan Chakaravarthi S Hariharan K	130
2.	Engineering Mechanics	GE8292	Santhoshkumar S Saravanan M Shreeram M R Reventhkumar S	132
3.	Manufacturing Technology - I	ME6402	Gunasekaran R	134
4.	Strength of Materials	ME6603	Tamilselvan S Venkadesh S Vijay S	135
5.	Engineering Thermodynamics	ME6301	Manikandan G Manikandan P Manikandan S Manokaran P	137
6.	Fluid Mechanics and Machinery Laboratory	CE6461	Ranjith Kumar C Sabareesan M Srinath V	139
7.	Kinematics of Machinery	ME6401	Barathraj M Eyad Muhammed Hariharasudhan S Harish V	141
8.	Manufacturing Technology– II	ME6402	S. Bhuvaneshwaran P.Deenadhayalan V. Gokulraj K. Jagadeshbabu	143
9.	Manufacturing Technology– II	ME6402	Sakthivel .R	145

S. No.	Name of the Course	Course Code	Name of the students	Page No.
10.	Engineering Materials and Metallurgy	ME6403	Abhiram T Abishek E Ajith Kumar M Aravind S	146
11.	Kinametics of Mechinary	ME6401	Santhosh Kumar M Sathish Kumar T Shankar K Vignesh S	148
12.	Thermal Engineering	ME6404	Ajith K S Benazir U Gopika R Arun aakash S	150
13.	Manufacturing Technology Laboratory–II	ME6411	Akilan M A ravinthan P V Gowtham K Jagadeesh S	152
14.	Computer Aided Design	ME6501	Sudhakar R M Surya S C Sylesh P Vasanthakumar B	154
15.	Professional Ethics in Engineering	GE6075	Manoj Kumar R Mugileshwaran K Naresgkumar B Pranesh J	156
16.	Heat and mass Transfer	ME6502	Mahendran A Mohan S Nivasan K Poovarasan S	158
17.	Heat and Mass Transfer	ME6502	Archana P Devan R Elamkabilan P Lavanya S	160
18.	Automobile Engineering	ME6602	Karthick R Praveen R Puviyarasan N Ramkumar M	162
19.	Automobile Engineering	ME6602	Mohanmed Riyaz M Mohamed Yunus A Nethaji M Pradeep N	164

S. No.	Name of the Course	Course Code	Name of the students	Page No.
20.	Gas Dynamics and Jet Propulsion	ME6604	Srinivasan P Jeeva.S Mudaliyar Vishnu Parasuraman Surendar.A	166
21.	Mechatronics	ME6702	Naveen A Pravinth .K Radhakrishnan M Ranjithkumar .M	168

**MECHANICAL BEHAVIOUR OF ALUMINIUM
REINFORCED SILICON CARBIDE COMPOSITES**

A PROJECT REPORT

Submitted by

AJITHKUMAR.T	731614114005
BALAJI.L	731614114023
DEEPANCHAKRAVARTHIS	731614114027
HARIHARAN.K	731614114046


*In partial fulfillment for the award of the degree
of*

BACHELOR OF ENGINEERING
in
MECHANICAL ENGINEERING

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APRIL 2018


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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "MECHANICAL BEHAVIOUR OF ALUMINIUM REINFORCED SILICON CARBIDE COMPOSITES" is the bonafide work of "AJITHKUMAR.T, BALAJIL, DEEPAN CHAKRAVARTHI.S, HARIHARAN.K" who carried out the project work under my supervision.


SIGNATURE

Dr. P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering
and Technology,
Tiruchengode – 637 215.



SIGNATURE

Dr.M.RAJARAM NARAYANAN
M.E., Ph.D.,
SUPERVISOR,
Professor,
Department of Mechanical Engineering,
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Tiruchengode – 637 215.

Submitted for the Project report Viva-Voce Examination held on 17-4-2018


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

2

B1 177

COMPACT ELECTRICAL LOAD CARRYING VEHICLE

A PROJECT REPORT

Submitted by

SANTHOSHKUMAR.S	731615114121
SARAVANAN.M	731615114124
SHREERAM.M.R	731615114135
REVENTHKUMAR.S	731615114319

*In partial fulfillment for the award of the degree
Of*


**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

**KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE – 637 215**

ANNA UNIVERSITY: CHENNAI 600025

APRIL 2018

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TIRUCHENGODE - 637 215,
NAMAIGAL DI, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**COMPACT ELECTRICAL LOAD CARRYING VEHICLE**” is the bonafide work of “**SARAVANAN, SANTHOSHKUMAR, SHREERAM, REVENTHKUMAR**” who carried out the project work under my supervision.


SIGNATURE

Dr. P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering
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Tiruchengode – 637 215.


SIGNATURE


Mr.GOWRISANKAR, M.E.,
SUPERVISOR,
Assistant Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering
and Technology,
Tiruchengode – 637 215.

Submitted for the Design and fabrication project Viva-Voce Examination held
on 12-04-18


INTERNAL EXAMINER


EXTERNAL EXAMINER

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K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.



ASHOK LEYLAND

08th June 2018


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MR. R.GUNASEKARAN**, B.E (Mech.) student from KSR Institute for Engineering and Technology, Tiruchengode has undergone In-Plant training at Ashok Leyland, Hosur-II from 28/05/2018 to 01/06/2018

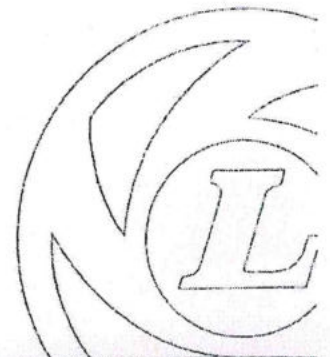
During the above period he has evinced keen interest in the training and we found his conduct to be good.


G. Ramesh

Sr. Manager – Training & Development


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B 18, A 8

ANALYSIS OF WELDING ROBOT MANIPULATOR ARM
USING METAL MATRIX
A PROJECT REPORT

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S.VIJAY	731614114163


*In partial fulfillment for the award of the degree
Of*

BACHELOR OF ENGINEERING
in
MECHANICAL ENGINEERING

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APRIL 2018


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BONAFIDE CERTIFICATE

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DESIGN AND FABRICATION OF THERMAL ENERGY
STORAGE SYSTEM BY USING PCM

A PROJECT REPORT

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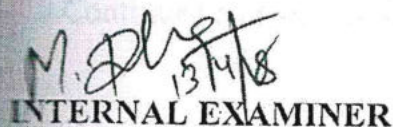


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6

B18, A47

**DESIGN AND ANALYSIS OF HEAT TRANSFER
ENHANCEMENT IN A HYDRAULIC OIL COOLER**

A PROJECT REPORT

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#7

B18, A25

**ANALYSIS OF AUTOMATED HUMAN WALKER
USING ORTHOTICS**

A PROJECT REPORT

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8

MT-11

B1 185

DESIGN AND FABRICATION OF WEED CUTTING MACHINE

A PROJECT REPORT

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Departments in Which
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Soda Recovery
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Project Duration : From: 04-06-2018 To: 08-06-2018


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2/10

B18, A21

**MECHANICAL BEHAVIOUR OF ALUMINIUM ALLOY
AA6082 REINFORCED WITH ALUMINA AND RHA**

A PROJECT REPORT

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In partial fulfilment for the award of the degree

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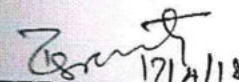
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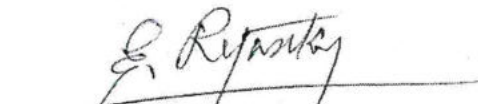

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DESIGN AND FABRICATION OF PUNCHING PRESS USING
- CRANK AND SLIDER MECHANISM

A PROJECT REPORT

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12

B, 147

DESIGN AND FABRICATION OF VARIENT TWISTED TAPE

A PROJECT REPORT

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B13

B1 151

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**DESIGN AND FABRICATION OF SINGLE WHEEL
PESTICIDES SPRAYING MACHINE FOR
AGRICULTURE USE**

A PROJECT REPORT

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128

131 174

DESIGN AND FABRICATION OF SCRAMBLER

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15

B 18, A 40

**REVERSE GEAR MECHANISM IN MOPED FOR
PHYSICALLY CHALLENGED PEOPLE**

A PROJECT REPORT

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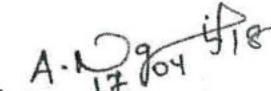
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**EXPERIMENTAL INVESTIGATION OF HEAT
TRANSFER CO-EFFICIENT IN ALUMINIUM
NANOFLUID**

A PROJECT REPORT

Submitted by

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THIRUCHENGODE-637215

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2018


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K. S. R. KALVI NAGAR,
THIRUCHENGODE - 637 215,
NAMAKKAL DR, TAMIL NADU.**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER CO-EFFICIENT IN ALUMINIUM NANOFLUID" is the bonafide work of "A. MAHENDRAN (731614114074), S. MOHAN (731614114087), K. NIVASAN (731614114102), S. POOVARASAN (731614114104)" who carried out the project work under my supervision.


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Submitted for the Project report Viva-Voice Examination held On 17.4.2018


INTERNAL EXAMINER


EXTERNAL EXAMINER

||


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TIRUCHENGODE - 637 215,
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13/17

B18, A31

**HEAT TRANSFER ENHANCEMENT OF SOLAR FLAT
PLATE COLLECTOR WITH TWISTED TAPE INSERT
USING NANO FLUIDS**

A PROJECT REPORT

Submitted by

ARCHANA.P	731614114014
DEVAN.R	731614114028
ELAMKABILAN.P	731614114035
LAVANYA.S	731614114069

In partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING



KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215

ANNA UNIVERSITY: CHENNAI 600025

APRIL 2018

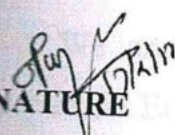


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BONAFIDE CERTIFICATE

Certified that this project report "HEAT TRANSFER ENHANCEMENT OF SOLAR FLAT PLATE COLLECTOR WITH TWISTED TAPE INSERT USING NANO FLUIDS" is the bonafide work of "ARCHANA.P, DEVAN.R, ELAMKABILAN.P, LAVANYA.S" who carried out the project work under my supervision.



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Submitted for the Project report Viva-Voce Examination held on 17-04-2018


INTERNAL EXAMINER


EXTERNAL EXAMINER


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**DESIGN AND FABRICATION OF ELCTROMAGNETIC
BRAKING SYSTEM**

A PROJECT REPORT

Submitted by

KARTHICK.R	731615114062
PRAVEEN.R	731615114104
PUVIYARASAN.N	731615114108
RAM KUMAR.M	731615114113

In partial fulfillment for the award of degree

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BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION ELECTROMAGNETIC BRAKING SYSTEM" is the bonafide work of -R.KARTHICK,R.PRAVEEN,N.PUVIYARASAN,M.RAMKUMAR"

Who carried the project work under my supervision.


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19

AE

B18, A34

**EXPERIMENTAL INVESTIGATION OF HIGH
ALTITUDE IGNITION SYSTEM USING HYDROGEN**

A PROJECT REPORT

Submitted by

MOHAMED RIYAZ M	731614114083
MOHAMED YUNUS A	731614114085
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BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL INVESTIGATION OF HIGH ALTITUDE IGNITION SYSTEM USING HYDROGEN" is the bonafide work of MOHAMED RIYAZ.M, MOHAMED YUNUS.A, NETHAJI.M, PRADEEP.N, who carried out the project work under my supervision.


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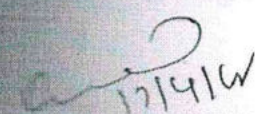
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Submitted for the Project report Viva-voce examination held on 17/04/2018


INTERNAL EXAMINER


EXTERNAL EXAMINER

ii


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27
B 18, A1

**SIMULATION ANALYSIS ON HEAT TRANSFER AND
FRICTION FACTOR CHARACTERISTICS OF VARIANT
TWISTED TAPE FITTED IN DOUBLE PIPE HEAT
EXCHANGER**

A PROJECT REPORT

Submitted by

SRINIVASAN P	731614114142
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MUDALIYAR VISHNU PARASURAMAN	731614114316
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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDECERTIFICATE

Certified that this project report "SIMULATION ANALYSIS ON HEAT TRANSFER AND FRICTION FACTOR CHARACTERISTICS OF VARIANT TWISTED TAPE FITTED IN DOUBLE PIPE HEAT EXCHANGER" is the bonafide work of "SRINIVASAN P, JEEVA S, MUDALIYAR VISHNU PARASURAMAN, SURENDAR A" who carried out the project work under my supervision.

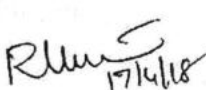

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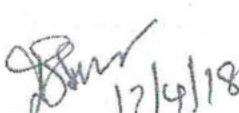
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B,171

**DESIGN AND FABRICATION OF ROCKER BOGIE
ROBOT**

A PROJECT REPORT

Submitted by

NAVEEN.A	731615114313
PRAVINTH.K	731615114316
RADHA KRISHANAN.M	731615114317
RANJITH KUMAR.M	731615114318

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in


MECHANICAL ENGINEERING

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

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APRIL 2018

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NAMBEKAL DI, TAMIL NADU.**

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION ROCKER BOGIE ROBOT" is the bonafide work of "NAVEEN.A, PARVINTH.K, RADHA KRISHANAN.M, RANJITH KUMAR.M" who carried out the project work under my supervision.


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Submitted for the Project report Viva-Voce Examination held on 12/14/18


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EXTERNAL EXAMINER


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K S R Institute for Engineering and Technology

Tiruchengode, Namakkal(Dt) , Tamil Nadu

(Approved by AICTE New Delhi & Affiliated to Anna University Chennai)

BE (CSE,EEE,ECE,Mech)&B.Tech (IT) Programmes are Accredited by NBA

1.3.2 Average percentage of courses that include experiential learning through project work / field work / internship during last five years

B.Tech. – Information Technology

S. No.	Name of the Course	Course Code	Name of the students	Page No.
1.	Programming and Data Structures II	CS6301	Sudarsan S Viji V	172
2.	Programming and Data Structures Laboratory II	IT6311		
3.	Software Engineering	CS6403	Janani M Neshak Kumar S Sakthi Ravikumar S	174
4.	Software Engineering Laboratory	IT6413		
5.	Operating Systems	CS6401	Gowtham D Iyyappan J Kirubakaran R	175
6.	Operating Systems Laboratory	IT6412		
7.	Computer Networks	CS6551	Denmozhi S Divya R Elangovan P Elankanei M	176
8.	Networks Laboratory	IT6511		
9.	Object Oriented Analysis and Design	CS6502	Balaji S Gowtham R Kavin K Selva Kumar B	177
10.	Case Tools Laboratory	IT6513		
11.	Mobile Computing	IT6601	Deepa K Dharani G Kokilavani J Mohanapriya S	178
12.	Mobile Application Development Laboratory	IT6611		
13.	Cryptography and Network Security	CS6701	Godson Vince Alex A Gokul Kumar B Nanthakumar S Roshan A	179
14.	Security Laboratory	IT6712		
15.	Data Warehouse and Data Mining	IT6702	Pavithra S Sownthirya M Swathi R Rubini R	180
16.	Data Mining Laboratory	IT6711		
17.	Grid and Cloud Computing	CS6703	Gnanasekar.N Karthik P Prakash A Vijay S	181
18.	Grid and Cloud Computing Laboratory	IT6713		
19.	Project Work	IT6811	Ilakkiya S Mephymony Gokul K Vinitha K	182

S. No.	Name of the Course	Course Code	Name of the students	Page No.
20.	Database Management Systems	CS6302	Aravindh K Janani T	183
21.	Database Management Systems Laboratory	IT6312	Shugitha V S Sumitha J	
22.	Web Programming	IT6503	Ajith Kumar R Sundaramoorthi G	184
23.	Web Programming Laboratory	IT6512	Thirumalairajan K Vineeth Praveen V	

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Information Technology

PROJECT EXPO 2018

CERTIFICATE OF APPRECIATION

This is to certify that


SUDHARSSAN S

of Second Year has presented the Project "**Simple Complaint Management System**" in the project Expo 2018 organized by the Department of Information Technology, K S R Institute for Engineering and Technology on 03.03.2018.

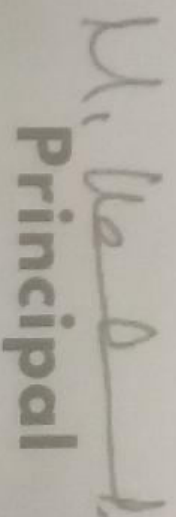
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TIRUCHENGODE - 637 215,
TAMIL NADU.



HOD



Principal

Project Coordinator

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Information Technology

PROJECT EXPO 2018

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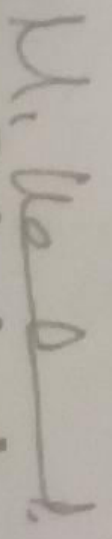
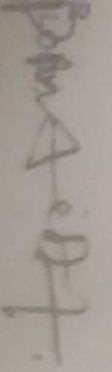
VIJIV

of Second Year has presented the Project "**Simple Complaint Management System**" in the project Expo 2018 organized by the Department of Information Technology, K S R Institute for Engineering and Technology on 03.03.2018.

PRINCIPAL,

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K. S. R. KALYANASAGAR
TIRUCHENGODE - 637 215,
NAMAKKAL DISTRICT, TAMIL NADU.



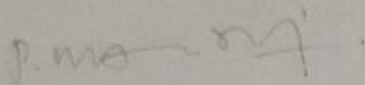
Project Coordinator

HOD

Principal

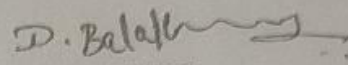
BONAFIDE CERTIFICATE

Certified that this project report "AN ANDROID BASED FOOD MANAGEMENT SYSTEM FOR COLLEGE" is the bonafide work of "JANANI M, NESHAK KUMAR S and SAKTHIRAVIKUMAR M" who carried out the project work under my supervision.



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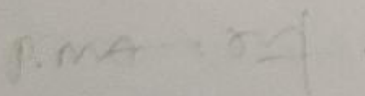
Dr. P. MEENAKSHI DEVI,
HEAD OF THE DEPARTMENT
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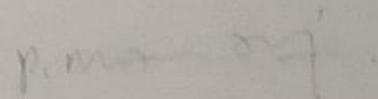
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Submitted for the Project Viva-Voce examination held on 22/9/2020



Internal Examiner



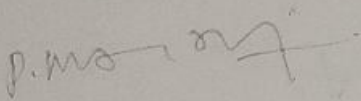
External Examiner



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NAMAKKAL Dt. TAMIL NADU.

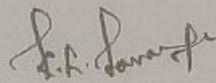
BONAFIDE CERTIFICATE

Certified that this project report "A CLINICAL DECISION SUPPORT FRAMEWORK FOR HETEROGENEOUS DATA SOURCES" is the bonafide work of "GOWTHAM D, IYYAPPAN J and KIRUBAKARAN R" who carried out the project work under my supervision.



SIGNATURE

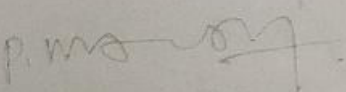
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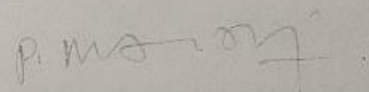
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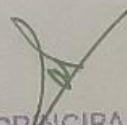
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DYNAMIC AND RESPONSIVE WEBSITE FOR COLLEGE" is the bonafide work of DENMOZHI S, DIVYA R, ELANGO VAN P and ELANKANEI M who carried out the project work under my supervision.



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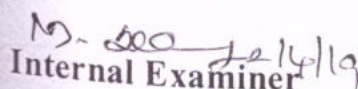
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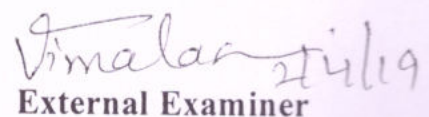
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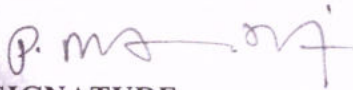


External Examiner

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“WORKFLOW MANAGEMENT WITH REAL-TIME TASKS ORIENTED ENERGY-AWARE SCHEDULING IN VIRTUALIZED CLOUDS”** is the bonafide work of **“BALAJI S, GOWTHAM R, KAVIN K and SELVAKUMAR B”** who carried out the project work under my supervision.



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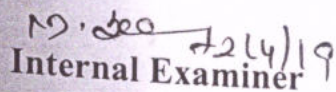
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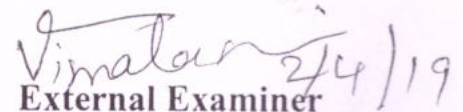
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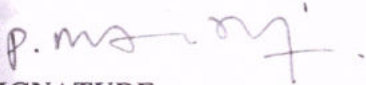
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BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY ISSUES IN SOCIAL NETWORKS AND PRESERVING LOCATION PRIVACY" is the bonafide work of "DEEPA K, DHARANI G, KOKILAVANI J and MOHANAPRIYA S" who carried out the project work under my supervision.



SIGNATURE

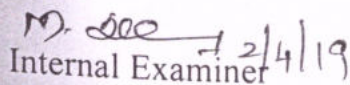
Dr.P. MEENAKSHI DEVI
HEAD OF THE DEPARTMENT
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637 215



SIGNATURE

Dr.S. RUSSIA
SUPERVISOR
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Submitted for the Project Viva Voce examination held on 02.04.2019



Internal Examiner



External Examiner



PRINCIPAL.
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled
**SEA BORDER CROSSING DETECTOR SYSTEM FOR
PROTECTING FISHERMEN**

is the bonafide record of the project work done by

GODSON VINCE ALEX A (731614205002)

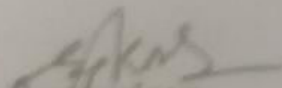
GOKUL KUMAR B (731614205003)


NANTHAKUMAR S (731614205007)

ROSHAN A (731614205010)


of


B. Tech.-Information Technology during the year 2017-18.


Supervisor


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Submitted for the Project Viva-Voce examination held on 13.04.2018


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

SMART FACIAL RECOGNITION

SYSTEM USING IOT

is the bonafide record of the project work done by

PAVITHRA S (731614205008)

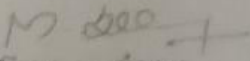
SOWNTHIRYA M (731614205011)


SWATHI R (731614205012)

RUBINI R (731614205305)


Of

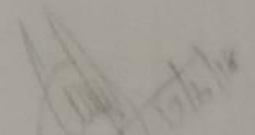
B.Tech-Information Technology during the year 2017-18



Supervisor


Head of the Department

Submitted for the Project Viva-Voce examination held on 13/4/18


Internal Examiner


External Examiner


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NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled
INTELLIGENCE OF SAFEGUARD SECURITY BASED ON IOT

is the bonafide record of the project work done by

GNANASEKAR N (731614205001)

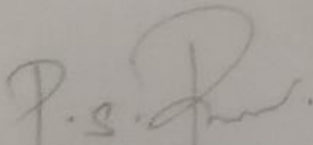
KARTHIK P (731614205005)

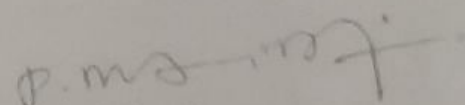
PRAKASH A (731614205009)

VIJAY S (731614205013)

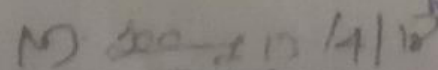
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Submitted for the Project Viva-Voce examination held on 13-4-18


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NAMAKKAL DT, TAMIL NADU.


External Examiner

ANNA UNIVERSITY::CHENNAI 600 025

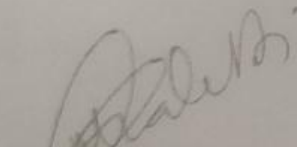
BONAFIDE CERTIFICATE


This is to certify that the Project entitled
TOUCHLESS MOTION SENSOR TRASH CAN USING IOT
is the bonafide record of the project work done by

ILAKKIYA S (731614205004)
MEPHY MONY (731614205006)
GOKUL K (731614205303)
VINITHA K (731614205306)

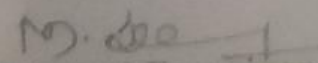
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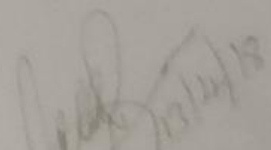
B.Tech.-Information Technology during the year 2017-18



Supervisor


Head of the department

Submitted for the Project Viva-Voce examination held on 13.4.2018


Internal Examiner

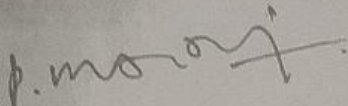

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K. S. R. KALYANAGAR,
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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MULTISERVICE WEBSITE" is the bonafide work of "ARAVINDH.K, JANANI.T, SHUGITHA.V.S and SUMITHA.J" who carried out the project work under my supervision.



SIGNATURE

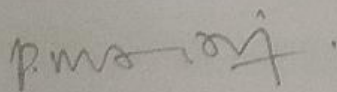
Dr. P. MEENAKSHI DEVI
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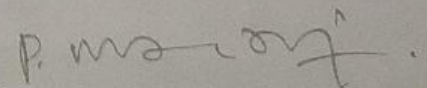
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Submitted for the Project Viva-Voce examination held on 22.9.2020



Internal Examiner



External Examiner

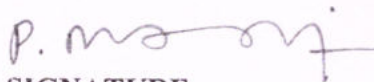


PRINCIPAL,
K. S. R. INSTITUTE FOR
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K. S. R. KALMI NAGAR,
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ANNA UNIVERSITY:: CHENNAI 600 025


BONAFIDE CERTIFICATE

Certified that this project report "SEARCH RANK FRAUD IN GOOGLE PLAY USING FINDER CLUSTER PROCESS" is the bonafide work of "AJITH KUMAR R, SUNDARAMOORTHY G, THIRUMALAIRAJAN K and VINEETH PRAVEEN V" who carried out the project work under my supervision.


SIGNATURE

Dr.P.MEENAKSHI DEVI M.E.,Ph.D.,
HEAD OF THE DEPARTMENT

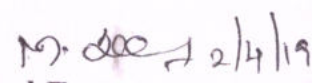
DEPARTMENT OF
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SIGNATURE


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Submitted for the Project Viva-Voce examination held on 02 04 2019


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