



SSM COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to Anna University

Recognized by UGC Under Section 2 (f) of 12 (B)

NH-544, Salem Main Road, Komarapalayam: 638 183, Namakkal (Dist.), Tamil Nadu, India.

www.ssmce.ac.in, 9894026708.

CRITERIA: 7.3

INSTITUTIONAL DISTINCTIVENESS

SSM STEM INNOVATION CENTER



RELEVANT INFORMATION

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SSM STEM INNOVATION CENTER

OBJECTIVE:

- To Help students to create their own project prototypes

METHODOLOGY:

- Project Based Technology Training & Learning Blended with Fun Filled Activities
- Beginners Level & Advanced Level Projects

ACHIEVEMENTS:

- 15 International Awards for Project
- Successful Launch in India, Malaysia, Indonesia
- Created an Unique Workshop Manual

ACTIVITIES:

- Train the Trainers Workshops for Faculty members
- Certificate Course on STEMSEL Inventors during semester Holidays
- Training for STEM Project Expos
- Invited Lectures & Workshops in other institutions

MILESTONES ACHIEVED:

- JULY 2016- LAUNCH @ SSM COLLEGE OF ENGINEERING
- SEP 2016 - **9 PRIZES** BY SSM STUDENTS IN
INTERNATIONAL PROJECT COMPETITION
- OCT 2016 – LAUNCH @ **MALAYSIA SENTUL, RAWANG**
- JAN 2017 - LAUNCH @ **ANNA UNIVERSITY , COIMBATORE**
- SEP 2017 – **3 PRIZES** BY SSM STUDENTS IN
INTERNATIONAL PROJECT COMPETITION
- MAR 2017 – **MALAYSIA WORKSHOP @ SUNGEI PETANI**
- SEP 2018 - **3 PRIZES** BY SSM STUDENTS IN
INTERNATIONAL PROJECT COMPETITION
- JUL 2019 – **MALAYSIA WORKSHOP @ TELUK INTAN**
- OCT 2019 – **INDONESIA WORKSHOP @ BANTEN PROVINCE**



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SSM STEM INNOVATION CENTER

UNIQUE PROJECT BASED LEARNING METHODOLOGY

FIRST OF ITS KIND IN ENGINEERING EDUCATION
To Foster Innovations



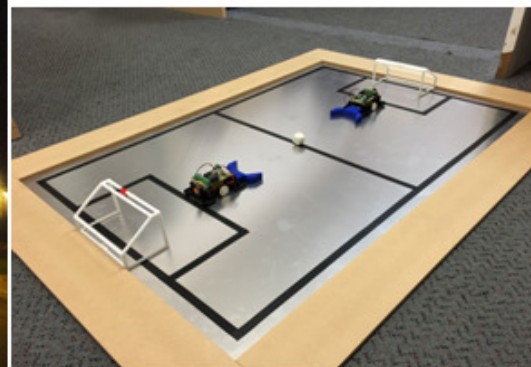
SSM STEM ELECTRONICS INNOVATOR WORKSHOP:



DESIGN CHALLENGES TO CREATE CRITICAL & CREATIVE THINKING



**SMART STREET LIGHT
MODEL**



**ROBO MODEL IN SOCCER
FIELD**



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INTERNATIONAL COLLABORATIONS @ SSM STEM INNOVATION CENTER

SIGNING MOU FOR SSM STEM INNOVATION CENTER



MOU is exchanged in front of the
South Australian Minister for International Education & Investment & Trade & Defence
Honourable MARTIN HAMILTON-SMITH
at New Delhi



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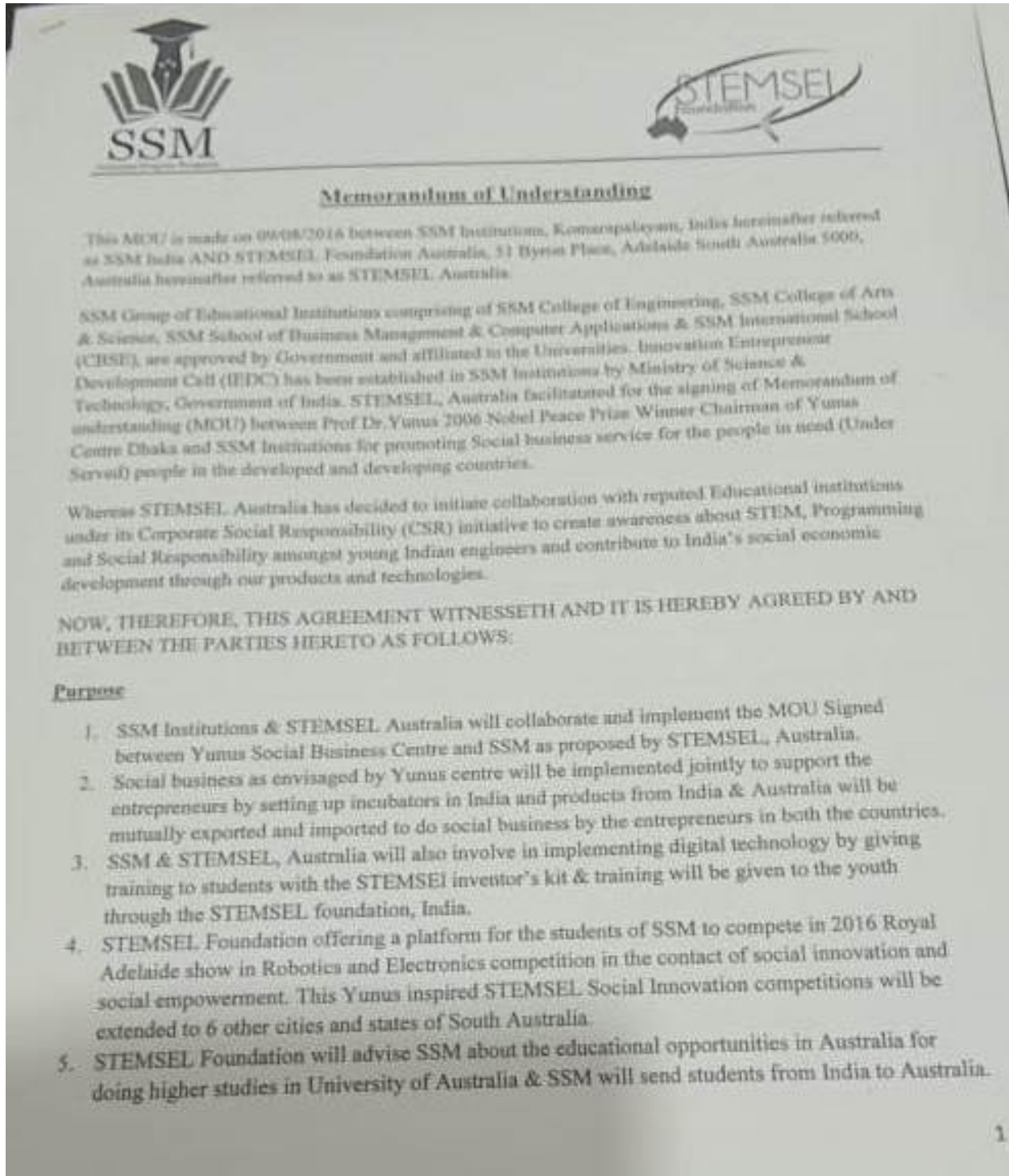
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SSM STEM INNOVATION CENTER MOU WITH STEMSEL AUSTRALIA –Page 1





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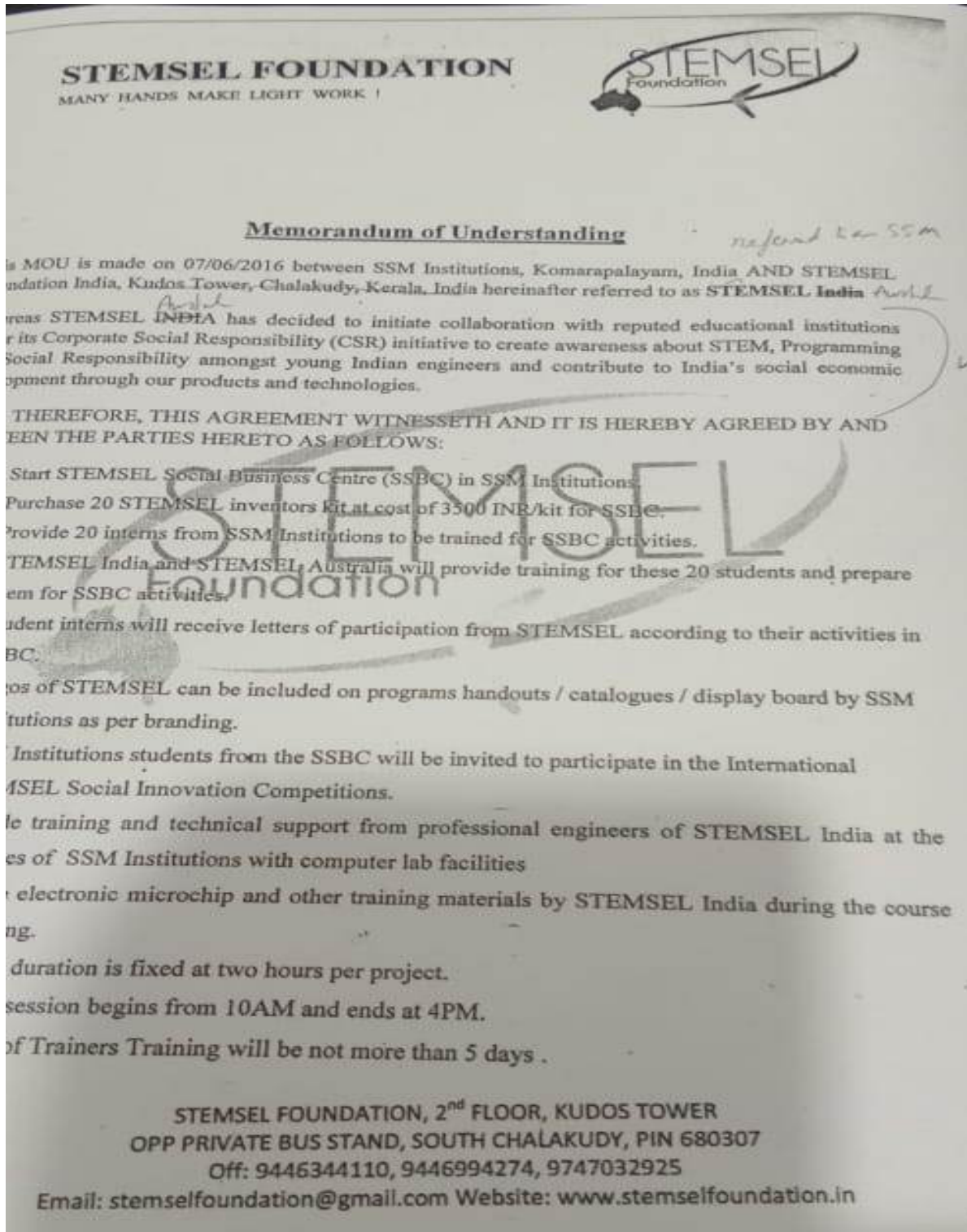
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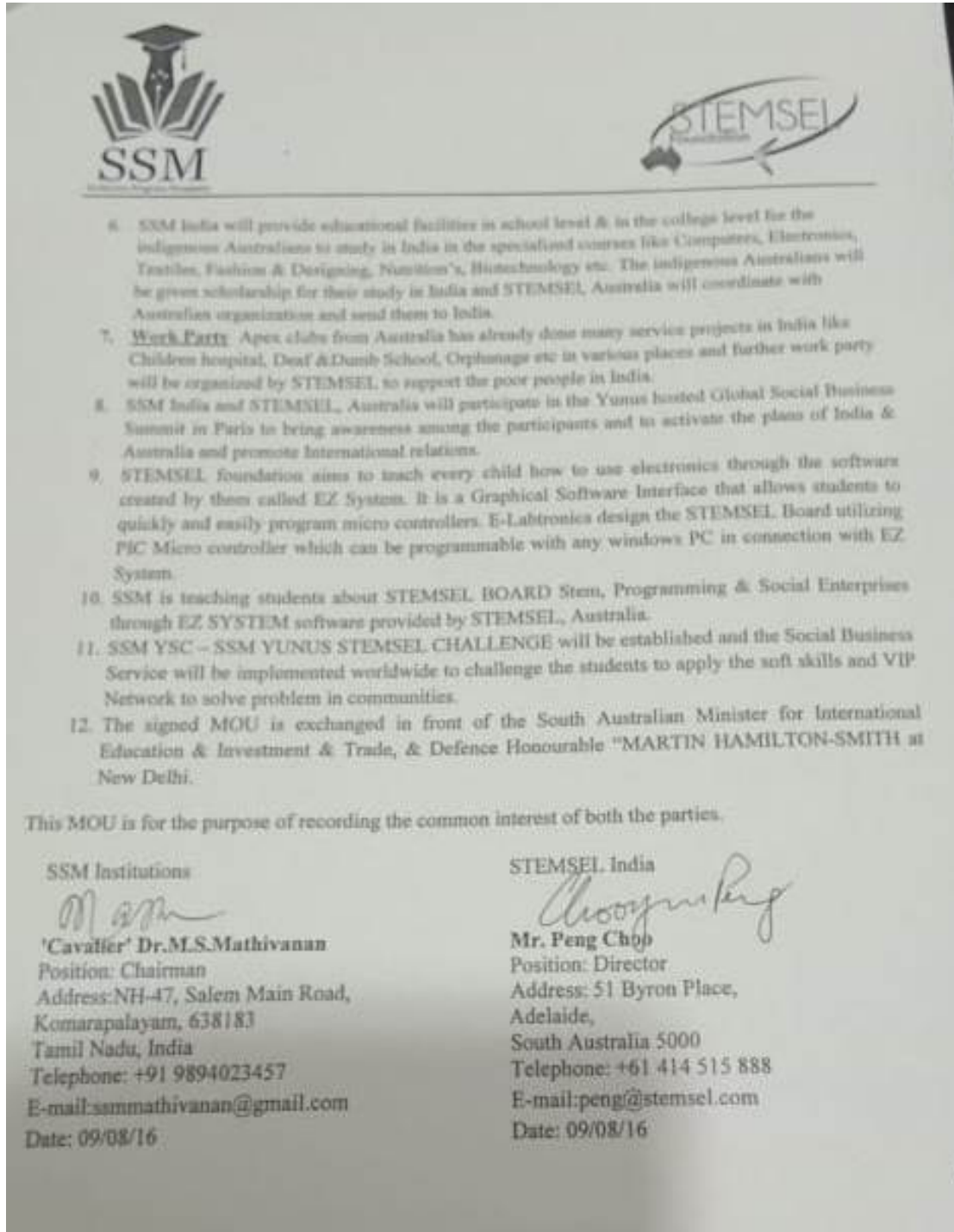
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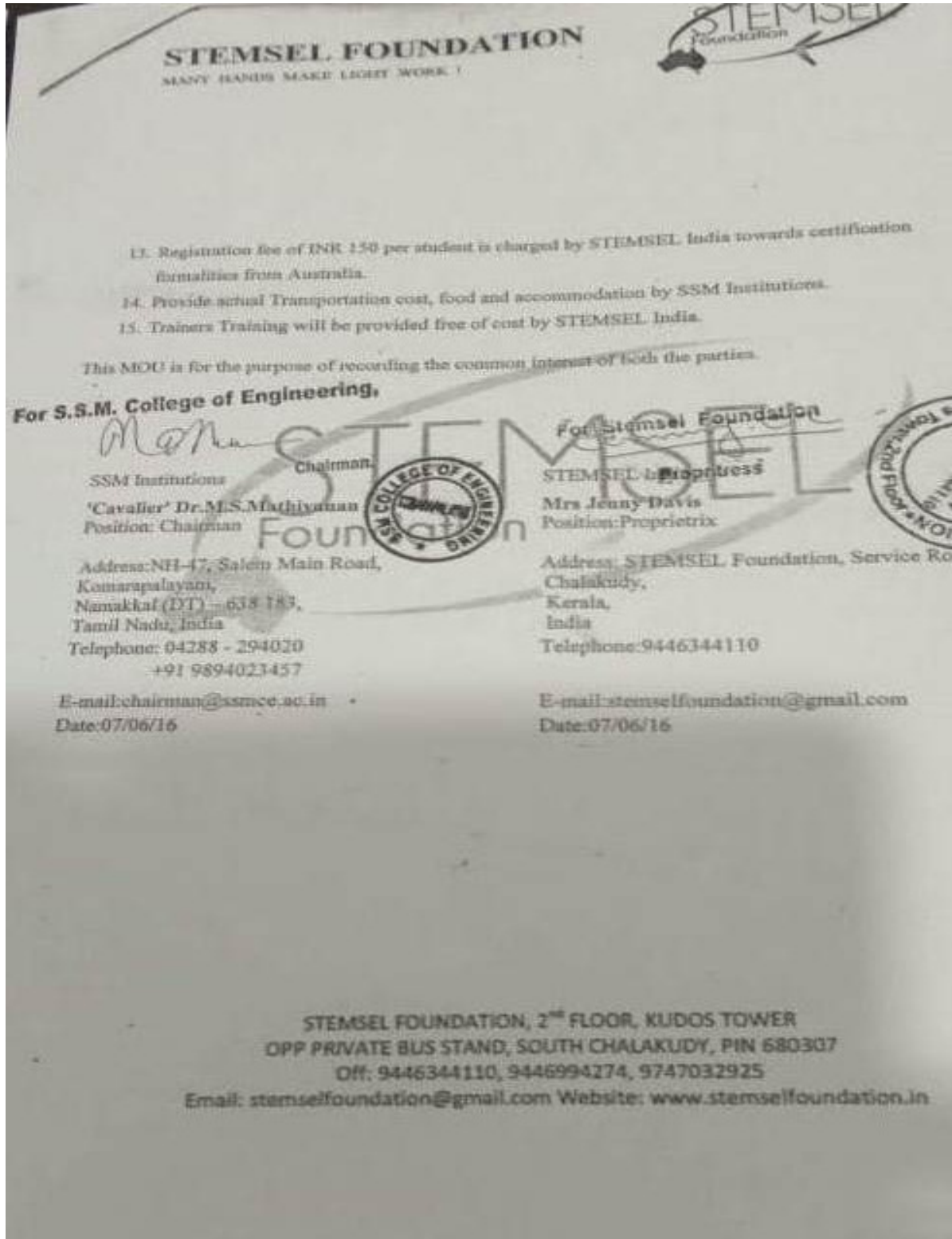
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INAUGURATION OF SSM STEM INNOVATION CENTER


PROGRAM: INAUGURATION BY APEX CLUB MEMBERS FROM AUSTRALIA & MALAYSIA

VENUE: SSM COLLEGE OF ENGINEERING

INVITATION



Inauguration of
**STEMSEL ELECTRONICS
INNOVATION CENTRE
&
YSBC @ SSM STEMSEL
INNOVATION CENTRE**



Date : 6.2.2017, 9.30 AM Venue: SSMCE, CONFERENCE HALL

Apxn . JOHN PHILIPS
Past National President, APEX Clubs of Australia,
Past Asia Pacific Regional Chairman of WOCO,

Will Inaugurate the
**SSM STEMSEL Electronics Innovation Centre &
Distribute the Prizes for
Australia Royal Adelaide Show-2016
STEMSEL Inventors Competition Winners**

Apxn . SUBHASH BHOLA
Life Governor, APEX INDIA


Apxn .C.S.NAIDU
Past National President, APEX MALAYSIA

Apxn . KATE HUTH
Immediate Past Global Chairman 2015-16
APEX AUSTRALIA

Will be the Guests of Honour

‘Cavalier’ Dr. M.S. Mathivanan
Past National President, APEX INDIA,
Past Asia Pacific Regional Chairman of WOCO,
Chairman, SSM GROUP OF EDUCATIONAL INSTITUTIONS
Will Preside over the Function

ALL ARE CORDIALLY INVITED





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PROGRAM: INAUGURATION BY APEX CLUB MEMBERS FROM AUSTRALIA & MALAYSIA

VENUE: SSM COLLEGE OF ENGINEERING

INAUGURATION PHOTOS



SSM STEM INNOVATION CENTER

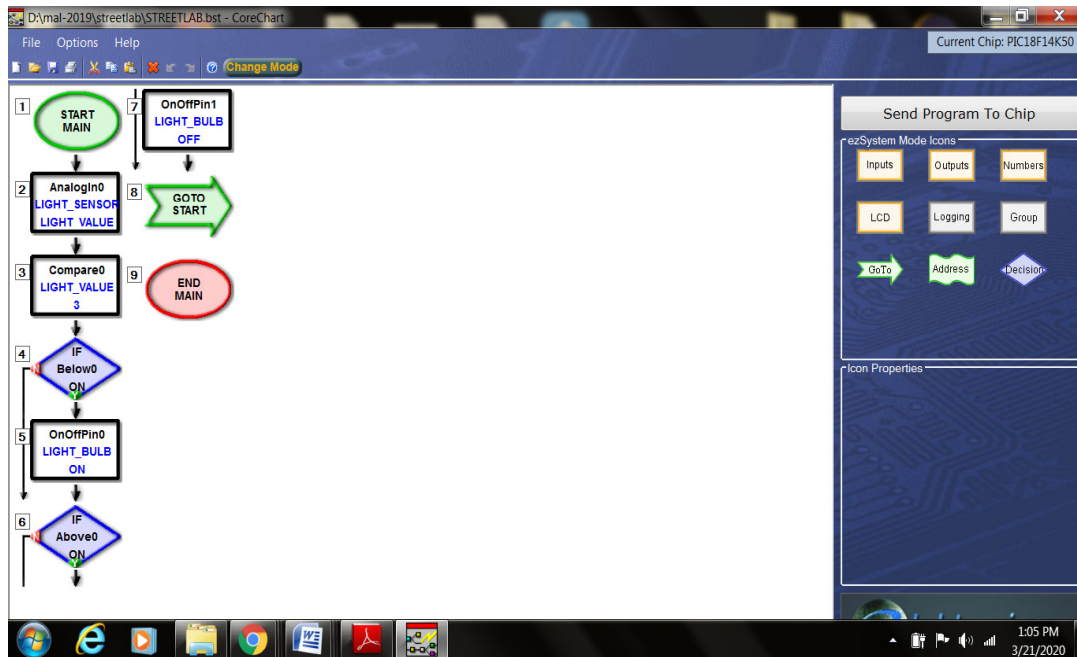
FACILITIES AVAILABLE

HARDWARE FACILITIES: Inventors Project Prototyping Kit using PIC Microchip



SOFTWARE FACILITIES:

EZ system, Corechart for Flowchart Based Microchip Programming



SSM STEM INNOVATION CENTER

SSM INNOVATOR WORKSHOP & CERTIFICATE COURSES

Objectives:

1. To Create interest in the STEM learning thereby create young innovators
2. To provide a platform for developing the ideas of students into a working model
3. To improve the designing, Logical thinking and programming ability of the students
4. To provide an exposure on the latest technology trends

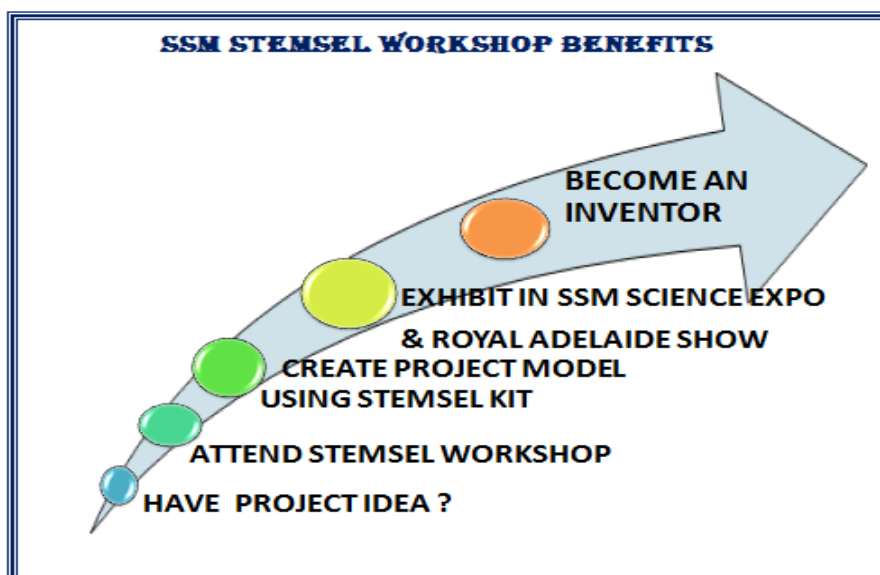
Learning Outcomes:

At the end of the workshop, the students will be able to:

1. Convert their project ideas into a working model
2. Analyse and use different sensors and actuators in different real time scenarios
3. Design the hardware for their project requirement
4. Program the software for their application
5. Participate and Exhibit their models in Science exhibitions and conferences

Benefits:

The SSM Innovator Workshop is conducted for students to nurture their ideas and help them to implement their ideas using a unique project based learning methodology. The participants of the workshop will be provided a free graphical software interface tool for programming the project micro-controller boards in a simple graphical drag and drop manner without requiring any high level programming knowledge.





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SSM INNOVATOR WORKSHOP & CERTIFICATE COURSES

LIST OF PROJECTS HANDLED – BEGINNERS LEVEL



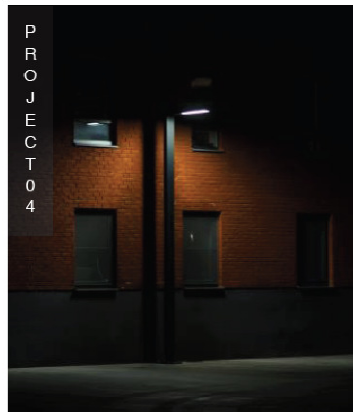
PROJECT 01
Alarm System



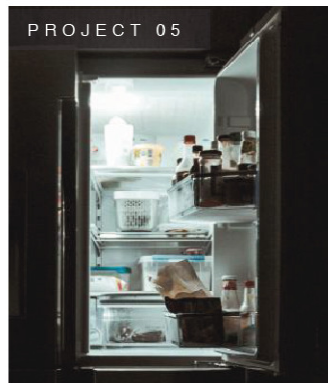
PROJECT 02
Traffic Lights



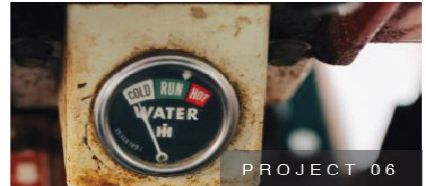
PROJECT 03
Washing Machine



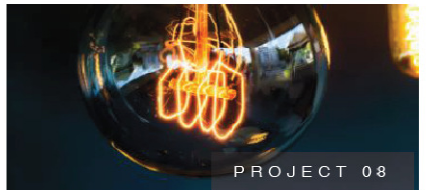
PROJECT 04
Street Light



PROJECT 05
Fridge Alarm



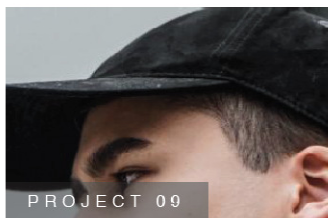
PROJECT 06
Temperature Controller



PROJECT 08
Smart Light Dimmer



PROJECT 07
Musical Buzzer



PROJECT 09
Cool Hat



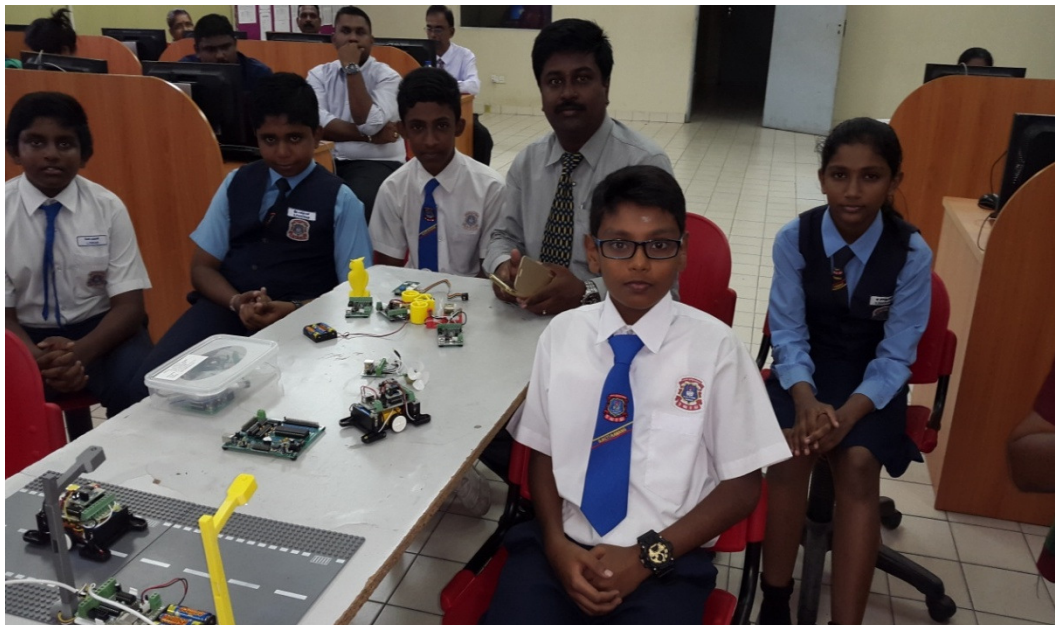
PROJECT 10
Bike Indicator

SSM INNOVATOR WORKSHOP & CERTIFICATE COURSES

LIST OF PROJECTS – ADVANCED LEVEL

- LCD Based Projects
- WiFi / Bluetooth Operated ROBO
- Sensor Based Projects for Internet of Things(IoT) & Smart City Applications

DEMONSTRATION OF WIFI ROBO BY SSM PROFESSOR



WORKSHOP MANUAL CREATED BY SSM PROFESSORS

BLENDING WITH ACTIVITY BASED AND FUN FILLED TEACHING & LEARNING METHODOLOGY

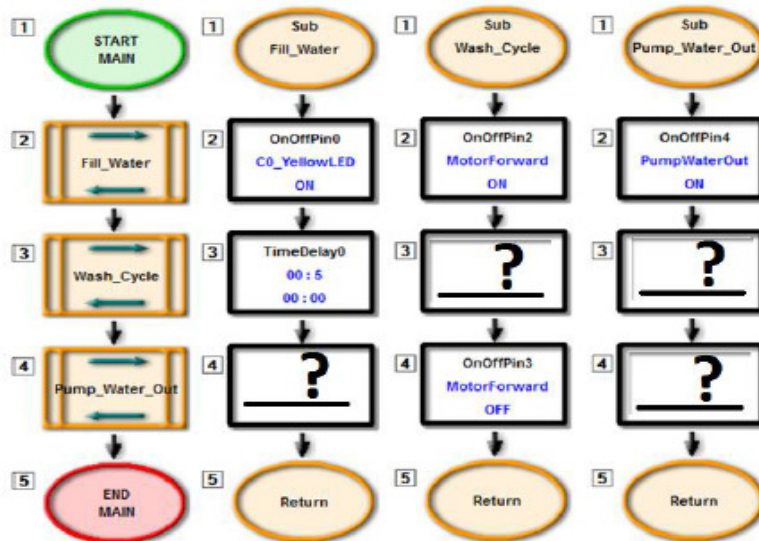
MANUAL – SAMPLE PAGE:1

1. According to our plan, the first step is to fill the washing machine up with water, which we will show using the on-board C0_YellowLED. Use OnOffPin and TimeDelay icons to turn on the C0_YellowLED for 5 seconds, then turn it off again.



ACTIVITY-10 CODE EXPLORE

- Think and Find the answer to fill the Blanks near the Question Marks **?**



Your Answer:

Fill_Water Icon N0.4.....

Wash_Cycle Icon N0.3.....

Pump_Water_Out Icon N0.3.....

Pump Water Out Icon N0.3.....

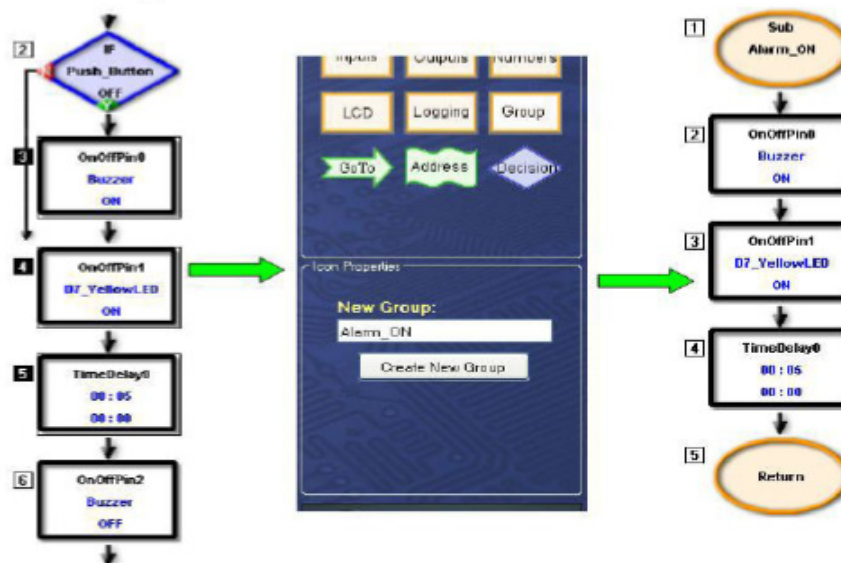
WORKSHOP MANUAL CREATED BY SSM PROFESSORS
BLENDED WITH ACTIVITY BASED AND FUN FILLED
TEACHING & LEARNING METHODOLOGY

MANUAL – SAMPLE PAGE:2

THERE IS NO
 INNOVATION
 WITHOUT
 EXPERIMENTATION

ACTIVITY-11
EXPERIMENT
TO
INNOVATE!!

- Think and Find the Correct Order of steps to Group the Icons 3-5 & Create a Group Called as “Alarm_ON”



**INCORRECT ORDER
 OF STEPS**

- 1)Click on the “Group” button in the “ICONS” menu.
- 2)Select “Group_Name” and type “Alarm_ON” as the name of this group.
- 3) while holding down the Shift key on the keyboard click on icon 5
- 4) Click on icon 3 to select it,
- 5)release the Shift key.
- 6)Click the “Create New Group” button.

**WRITE THE CORRECT
 ORDER OF STEPS**

YOUR ANSWER:

- 1).....
- 2).....
- 3).....
- 4).....
- 5).....
- 6).....

WORKSHOP MANUAL CREATED BY SSM PROFESSORS
BLENDED WITH ACTIVITY BASED AND FUN FILLED
TEACHING & LEARNING METHODOLOGY

MANUAL – SAMPLE PAGE:3

THERE IS NO
INNOVATION
WITHOUT
EXPERIMENTATION

ACTIVITY-13
EXPERIMENT
TO
INNOVATE!!

• **Think and Fill the correct Wiring Procedure to be Followed to build the circuit**

Figure 3

1. Connect Potentiometer Red Wire to.....'+’




Your Answer:

2. Connect Potentiometer Black Wire to.....
3. Connect Potentiometer White Wire to.....
4. Connect Light Sensor Red Wire to.....
5. Connect Light Sensor Black Wire to.....
6. Connect Light Sensor White Wire to.....
7. Connect Light Bulb Red Wire to.....
8. Connect Light Bulb Black Wire to.....

WORKSHOP MANUAL CREATED BY SSM PROFESSORS

**BLENDED WITH ACTIVITY BASED AND FUN FILLED
 TEACHING & LEARNING METHODOLOGY**

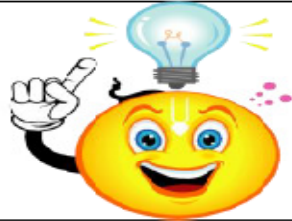
MANUAL – SAMPLE PAGE:4

	<p><u>ACTIVITY-16</u></p> <p>ROLE PLAY</p>
<ul style="list-style-type: none"> ● It's Time to Make a Demonstration of the Bike Indicator !!!!!!!!!!!!!!!: 	
	
<p>STUDENT VOLUNTEER 1 Plays the Role of the Bike Rider</p>	<p>STUDENT VOLUNTEER 2 Plays the Role of Rider following the Bike with the Indicator</p>

WORKSHOP MANUAL CREATED BY SSM PROFESSORS

**BLENDED WITH ACTIVITY BASED AND FUN FILLED
 TEACHING & LEARNING METHODOLOGY**

MANUAL – SAMPLE PAGE:5



ACTIVITY-17
Quiz

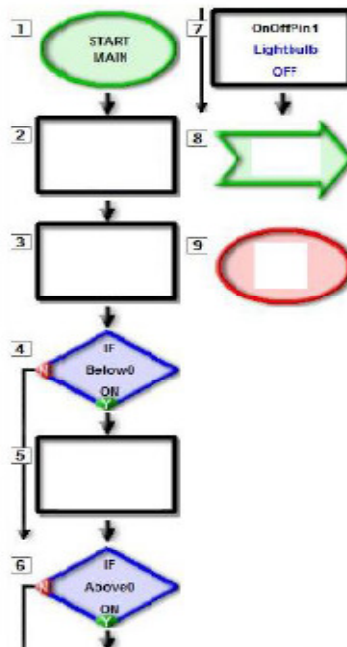
- It's Time to test your Listening Ability , Take 5 Minutes to Answer the Following Questions



1. What is the name of this Icon?

Your Answer.....

2. COMPLETE THE CORECHART OF SMART STREET LIGHT GIVEN BELOW...





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AWARDS RECEIVED BY STUDENTS

INTERNATIONAL PROJECT COMPETITION- AUSTRALIA ROYAL ADELAIDE SHOW-2016



**SSM STEM STUDENTS
WIN 9 PRIZES IN 2016 Including
BEST EXHIBIT AWARD in
International Project Competition- ROYAL ADELAIDE SHOW, AUSTRALIA**



**SSM STEM STUDENT RECEIVING
AUSTRALIA ROYAL ADELAIDE INVENTORS
COMPETITION PRIZE FROM
Apxn . JOHN PHILIPS
Past National President, APEX Clubs of Australia**



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PROJECTS DONE BY THE STUDENTS

S.NO	PROJECT TITLE	ACHIEVEMENTS
1.	ROAD TRAFFIC ASSISTANT FOR AMBULANCE	
2.	CITY POLLUTION MONITORING SYSTEM USING PUBLIC TRANSIT BUSES	BEST EXHIBIT AWARD & FIRST PLACE IN INTERNATIONAL COMPETITION
3.	BORDER ALERT AND SMART TRACKING SYSTEM WITH ALARM USING GPS AND GSM	SECOND PLACE IN INTERNATIONAL COMPETITION
4.	AUTOMATIC AIR CONDITIONER CONTROLLER	SECOND PLACE IN INTERNATIONAL COMPETITION
5.	AUTOMATIC CONTROL OF MOTOR USING THERMISTOR	THIRD PLACE IN INTERNATIONAL COMPETITION
6.	BANK SECURITY ALARM	
7.	ENERGY SAVING SYSTEM FOR RAILWAY PLATFORM	FIRST PLACE IN INTERNATIONAL COMPETITION
8.	INTELLIGENT SECURITY SYSTEM	FIRST PLACE IN INTERNATIONAL COMPETITION
9.	VOLTAGE LEVEL INDICATOR IN WIND GENERATOR	
10.	POWER GENERATION USING PIEZO ELECTRIC TRANSDUCERS	COMMENDED PRIZE IN ENERGY & TRANSPORT CATEGORY
11.	ADVANCED TRAFFIC LIGHT CONTROLLER	SECOND PRIZE IN ENERGY & TRANSPORT CATEGORY



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**SSM STUDENTS DEMONSTRATING THEIR
PROJECTS THROUGH SKYPE TO THE
ROYAL ADELAIDE SHOW JUDGES IN AUSTRALIA**



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BEST EXHIBIT AWARD IN

AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION BY SSM STUDENTS





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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION

FIRST PRIZE BY SSM STUDENTS IN CATEGORY: ENVIRONMENTAL ISSUES AND AGRICULTURAL APPICATIONS





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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION

SECOND PRIZE BY SSM STUDENTS IN CATEGORY: ENVIRONMENTAL ISSUES AND AGRICULTURAL APPICATIONS





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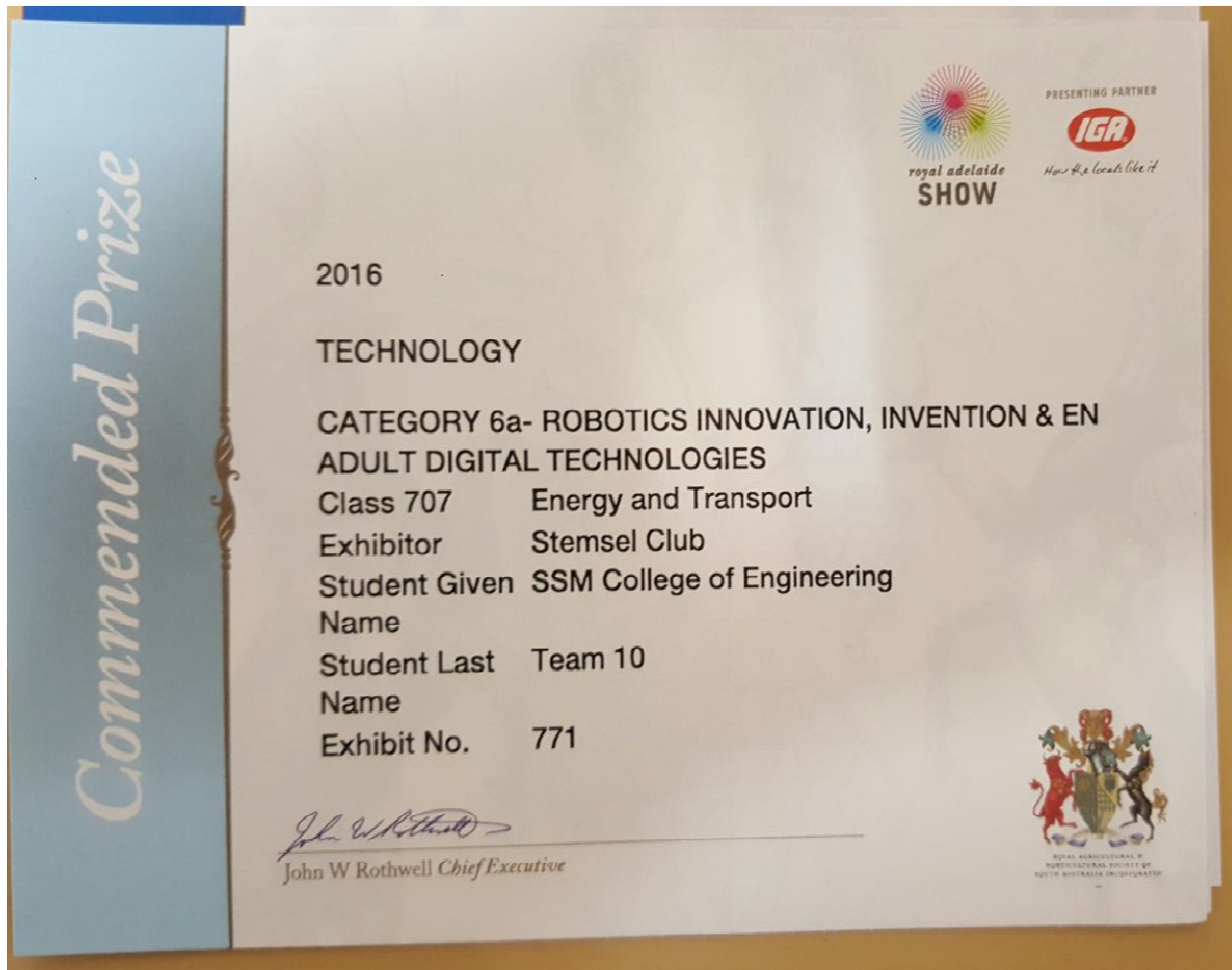
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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION

COMMENDED PRIZE BY SSM STUDENTS IN CATEGORY: ENERGY & TRANSPORT





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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION

FIRST PRIZE BY SSM STUDENTS IN CATEGORY: ENERGY & TRANSPORT





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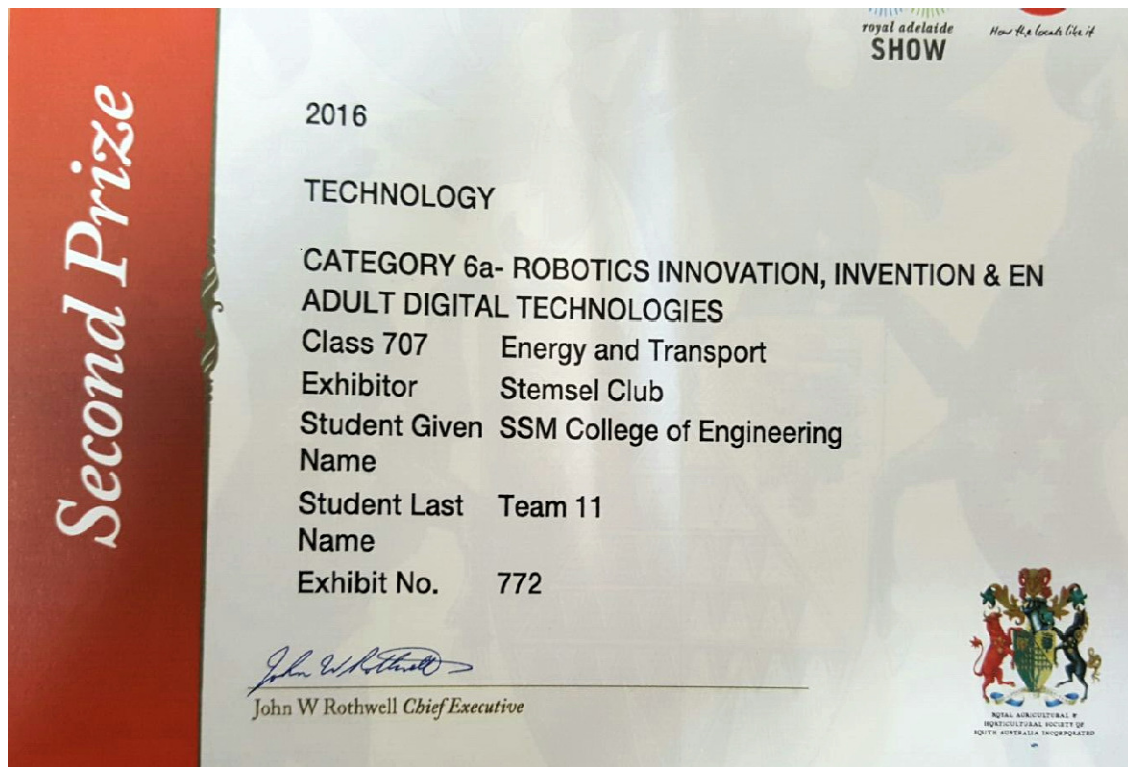
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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION SECOND PRIZE BY SSM STUDENTS IN CATEGORY: ENERGY & TRANSPORT





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www.ssmce.ac.in, 9894026708.

AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION FIRST PRIZE BY SSM STUDENTS IN CATEGORY: MANUFACTURING AND INDUSTRIAL APPLICATIONS





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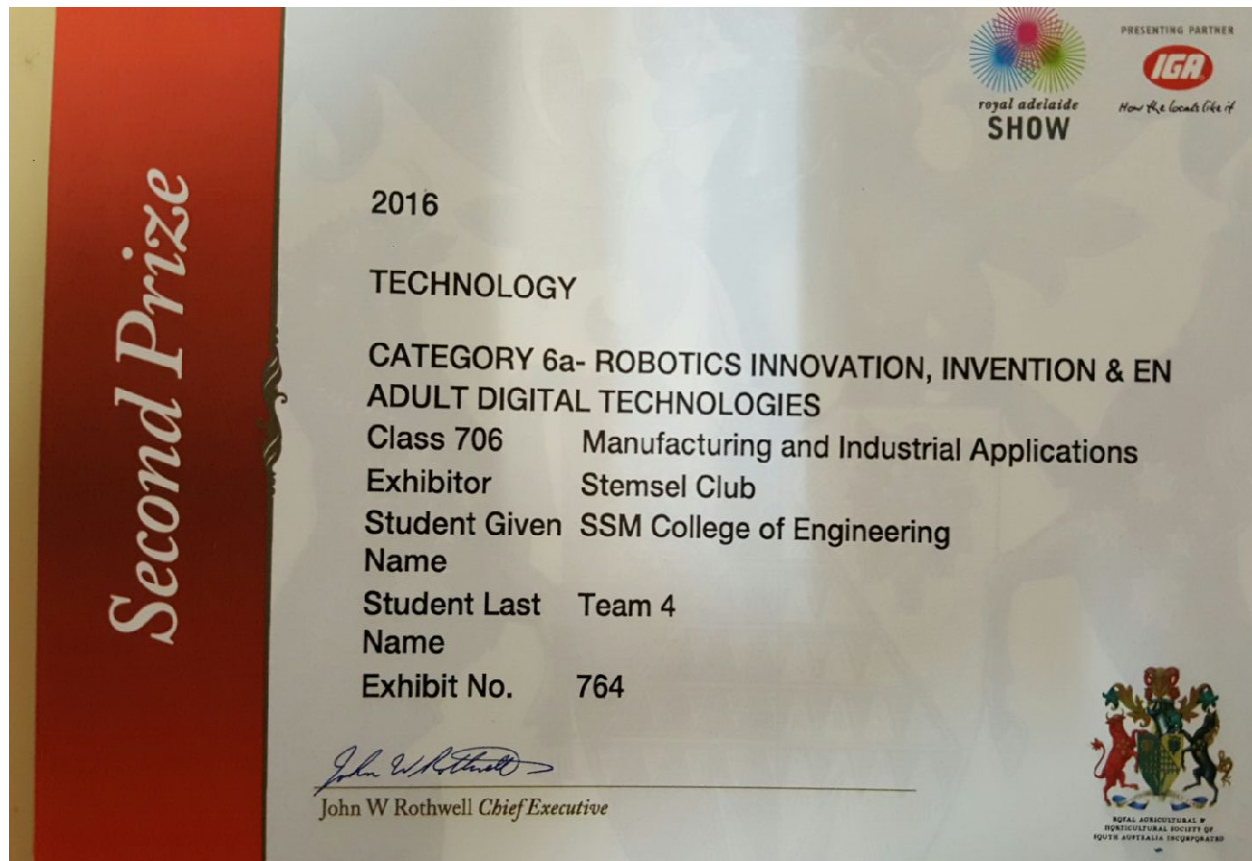
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AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION

SECOND PRIZE BY SSM STUDENTS IN CATEGORY: MANUFACTURING AND INDUSTRIAL APPLICATIONS





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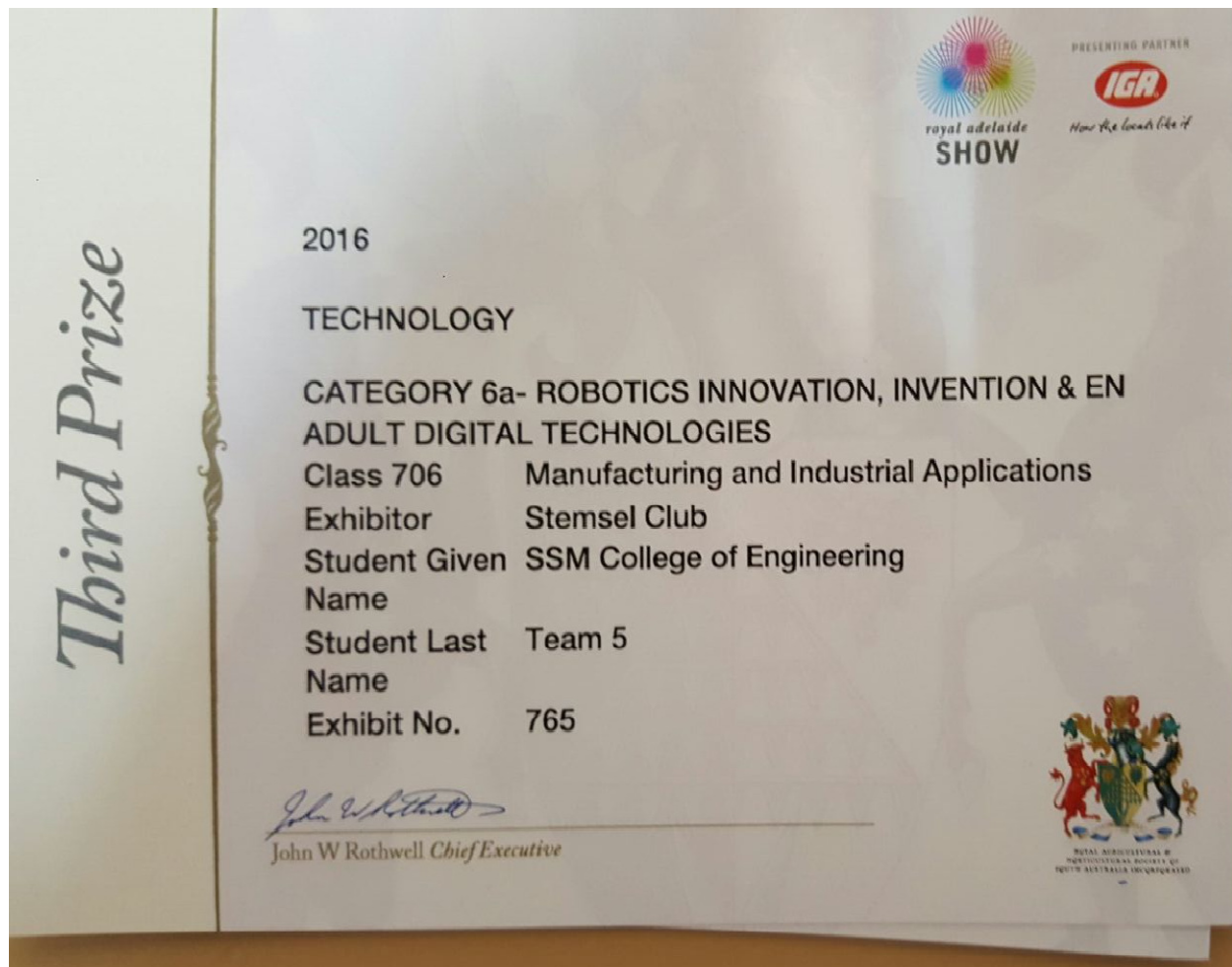
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**AUSTRALIA ROAL ADELAIDE PROJECT COMPETITION
THIRD PRIZE BY SSM STUDENTS IN CATEGORY:
MANUFACTURING AND INDUSTRIAL APPLICATIONS**





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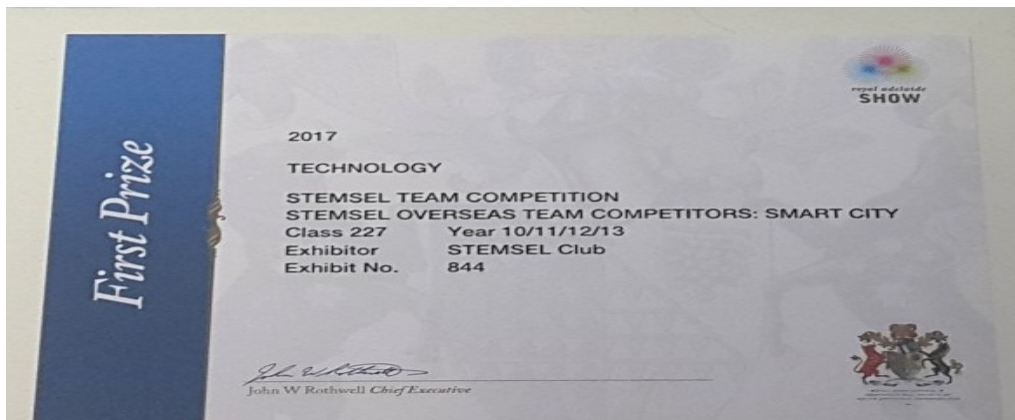
www.ssmce.ac.in, 9894026708.

INTERNATIONAL PROJECT COMPETITION- AUSTRALIA ROYAL ADELAIDE SHOW PROJECTS DONE

S.No	PROJECT TITLE	ACHIEVEMENTS
1	HAZARDOUS GAS MEASUREMENT IN DRAINAGE	
2	SOLAR TRACKING	
3	WIRELESS ELECTRONIC NOTICE BOARD USING GSM TECHNOLOGY	FIRST PLACE IN INTERNATIONAL COMPETITION
4	PROPELLER LED DISPLAY	SECOND PLACE IN INTERNATIONAL COMPETITION
5	OBJECT DETECTION IN A RAILWAY TRACK BY USING PASSIVE INFRARED(PIR) SENSOR	
6	FOREST FIRE DETECTION AND PREVENTION	THIRD PLACE IN INTERNATIONAL COMPETITION



First Prize Certificate & Batch Won by SSM Students





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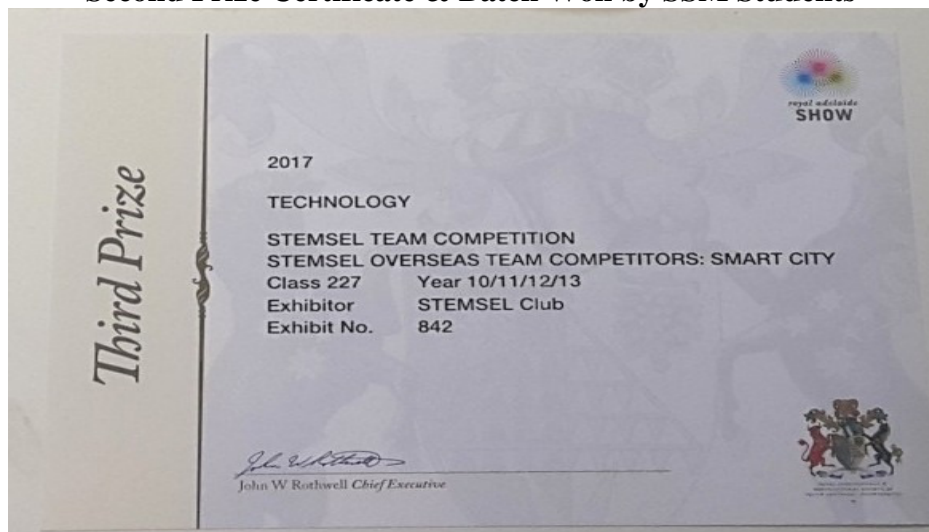
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Second Prize Certificate & Batch Won by SSM Students



Second Prize Certificate & Batch Won by SSM Students





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INTERNATIONAL PROJECT COMPETITION

AUSTRALIA ROYAL ADELAIDE SHOW

PROJECTS DONE IN 2018 @ SSM INNOVATION CENTER

S. No	PROJECT TITLE	ACHIEVEMENTS
1	INTELLIGENT STREET LIGHT	FIRST PLACE IN INTERNATIONAL COMPETITION
2	INTENSITY CONTROL OF LIGHTS FOR SMART HOMES & CITIES USING WIFI	SECOND PLACE IN INTERNATIONAL COMPETITION
3	POLLUTION DETECTOR AND BROADCASTER USING WIFI FOR SMART CITIES	THIRD PLACE IN INTERNATIONAL COMPETITION
4	BLUETOOTH ROBO	
5	SMART AGRICULTURE	



**SSM Students Appreciated in News Paper
For Winning Prizes in International Project Competition**



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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: TRAIN THE TRAINERS WORKSHOP

VENUE: SSM COLLEGE OF ENGINEERING

WORKSHOP PHOTO



CERTIFICATE COPY





SSM COLLEGE OF ENGINEERING

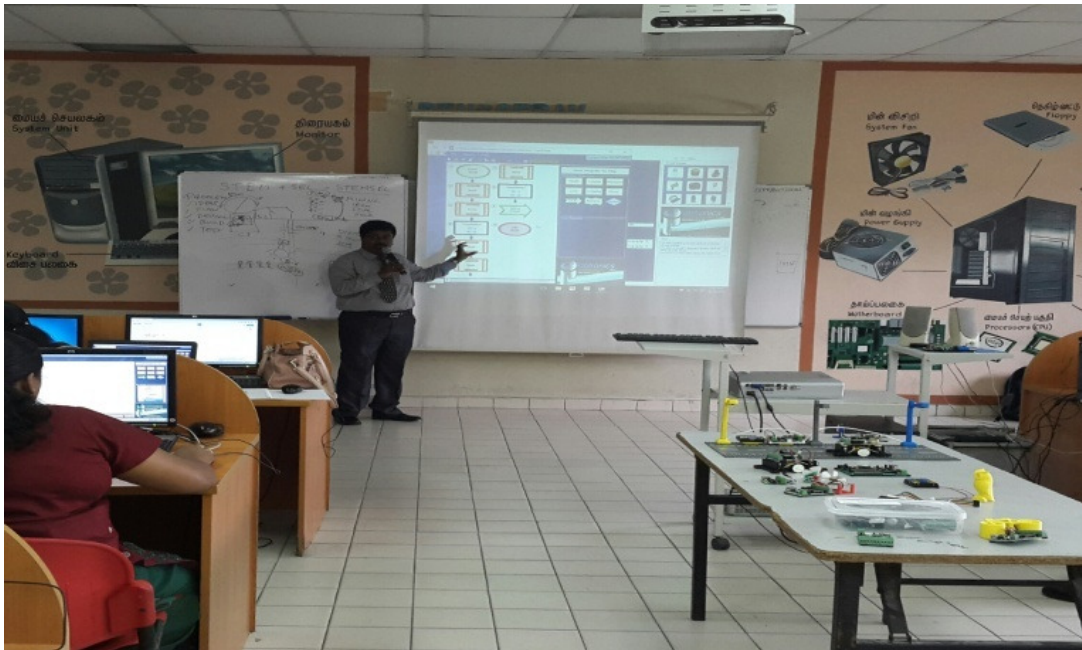
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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: STEM ELECTRONICS INVENTORS WORKSHOP

VENUE: MALAYSIA - SENTUL, SIMPANG LIMA, RAWANG, IPOH

WORKSHOP PHOTOS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

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WORKSHOP PHOTOS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: STEM AWARENESS WORKSHOP TO EDC COORDINATORS

VENUE: ANNA UNIVERSITY REGIONAL CENTRE COIMBATORE

WORKSHOP PHOTOS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: OPPORTUNITIES OF STEM PROJECT BASED LEARNING

VENUE: AC TECH CAMPUS , ANNA UNIVERSITY CHENNAI



WORKSHOP PHOTOS



PROGRAM: DIGITAL INDIA WORKSHOP ON STEM INVENTORS KIT

VENUE: ANNA UNIVERSITY REGIONAL CENTRE COIMBATORE

WORKSHOP BROCHURE

 Anna University Regional Campus Coimbatore 		
DIGITAL INDIA National Service Scheme In Association with Department of Computer Applications & Management Studies Organizes One Day National Workshop on ELECTRONICS INVENTORS USING GRAPHICAL SOFTWARE INTERFACE <small>4th Mar 2017</small>		
Objective To motivate the Student Community to develop an Digital India-Electronic based Projects and Inventions using a simple Graphical Software Interface in a very short span of time.	WHAT Free training in STEMS&C Electronic Inventors Kit	WHEN 4 th Mar 2017
FOR WHOM Final year students of Arts and Science Colleges		
About the University Anna University was established on 4 th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and Allied Sciences relevant to the current and projected needs of the society. The Anna University, which is of the affiliated type is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Centre for Engineering Education (UCEE). Anna University has four regional centres at Coimbatore, Madurai, Tiruchirappalli and Tirunelveli to sphere head the academic activities throughout the state.	About the Workshop The Electronic Inventors kit helps the students to create their own Electronic based projects and Inventions using a simple Graphical Software Interface. It does not require any knowledge in High level programming language. The Board also help to complete the project in a very Short span of time.	Course Highlights Hands on training on following project in Electronic Inventor's Kit : 1. Alarm system 2. Traffic Lights 3. Washing Machine 4. Street Alarm 5. Fridge Alarm 6. Temperature Controller 7. Musical Buzzer 8. Smart Light Dimmer 9. Cool Hat 10. Bike Indicator
Department of Computer Applications Established in 2008, the Department offers Master of Computer Application (MCA) course as a six semester regular programme spread over three academic years. The Department stresses the importance of quality education in Computer Application and the emphasis of curriculum is laid on the understanding of industry requirement.	Department of Management Studies Established in 2007, the Department offers Master of Business Administration (MBA) course as a four semester regular programme spread over two academic years. The course structure is designed to impart knowledge in areas of Specialization, Marketing, Human Resource, Finance, Systems and Production Specializations.	Free Registration The Registration is done by sending the Confirmation mail to surcsmca@gmail.com on or before 3 rd Mar 2017.
For Queries ,Contact The Head of the Department, Department of Computer Applications, Anna University Regional Campus, Coimbatore, Navavoor, Coimbatore - 641046. Mobile No-944606178, E-mail surcsmca@gmail.com , Web www.annauniv.edu		



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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: STEM ELECTRONICS INVENTORS WORKSHOP

VENUE: MALAYSIA- SUNGAI PETANI

WORKSHOP PHOTOS



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KUALA MUDA

37

MALAY PAPER NEWS

Pupuk minat **Sains dan Matematik**

Kelab Apex Sungai Petani anjur bengkel Stem, beri galakan kepada murid sekolah rendah

SUNGAI PETANI - Dalam usaha menupuk minat terhadap mata pelajaran Sains dan Matematik, Kelab Apex Malaysia bersama Kelab Apex Sungai Petani buat jajung kali menganjurkan bengkel selama dua hari untuk murid sekolah rendah di daerah ini. Seramai 20 guru subjek Teknologi Reka Bentuk bersama 40 murid sekolah darjah tiga hingga enam dari 20 sekolah menyertai Bengkel Sains Teknologi Kejuruteraan Matematik (Stem) yang diadakan di Sekolah Menengah Khir Johari.

Penyelaras bengkel,

Sandra Gesan Balakrishnan berkata, bengkel Stem ini diadakan dengan gabungan kerjasama Kelab Apex yang merupakan badan bukan kerajaan (NGO) membantu orang dan juga pelajar kurang bernasib baik.

Menurutnya, inisiatif Kelab Apex bersama-sama dengan Pejabat Pendidikan Daerah Kuala Muda/yan bagi memupuk minat murid dari peringkat sekolah rendah terhadap mata pelajaran Sains dan Matematik.

Ta sebahagian tanggungjawab sosial Kelab Apex dalam usaha menggalakkan



Murid dan guru yang menyertai Bengkel Stem anjuran Kelab Apex di SMK Khir Johari, baru-baru ini.

bilangan pelajar di sekolah menengah namn untuk yang merngambil mata pelajaran berasaskan Sains," katanya.

Terdahulu, kesemua peserta yang terlibat diurusgantikan siji penyertaan oleh Pegawai Pendidikan Daerah,

Mahathir Ismail yang turut merasmikan majlis penutupan bengkel tersebut, baru-baru ini.

Program My Beautiful Malaysia bersih kawasan dadah di Sidam

SUNGAI PETANI - Kawasan pedalaman menjadi tumpuan penagih dadah antara lokasi yang diberikan perhatian serius oleh Agensi Anti Dadah Kebangsaan (AADK)

Program pembersihan ini dinamakan Program



News of SSM STEM Inventors workshop in Malaysian News Paper



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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: STEM AWARENESS WORKSHOP

VENUE: MALAYSIA-UNIVERSITY OF MALAYA FACULTY OF SCIENCE

WORKSHOP PHOTOS



APPRECIATION FROM UNIVERSITY OF MALAYA





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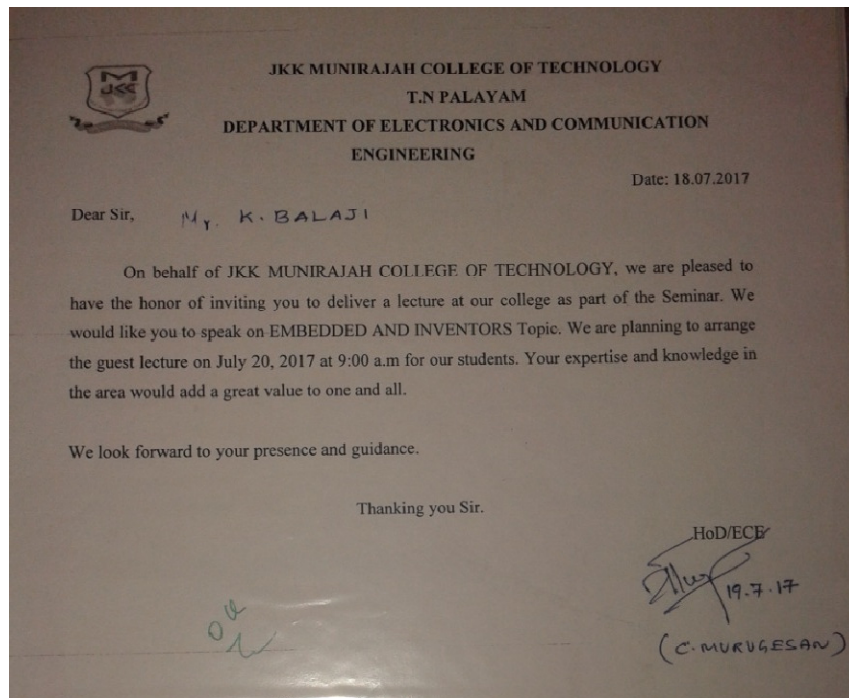
www.ssmce.ac.in, 9894026708.

ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: STEM ELECTRONICS WORKSHOP

VENUE: JKKM COLLEGE OF ENGINEERING

WORKSHOP PHOTOS





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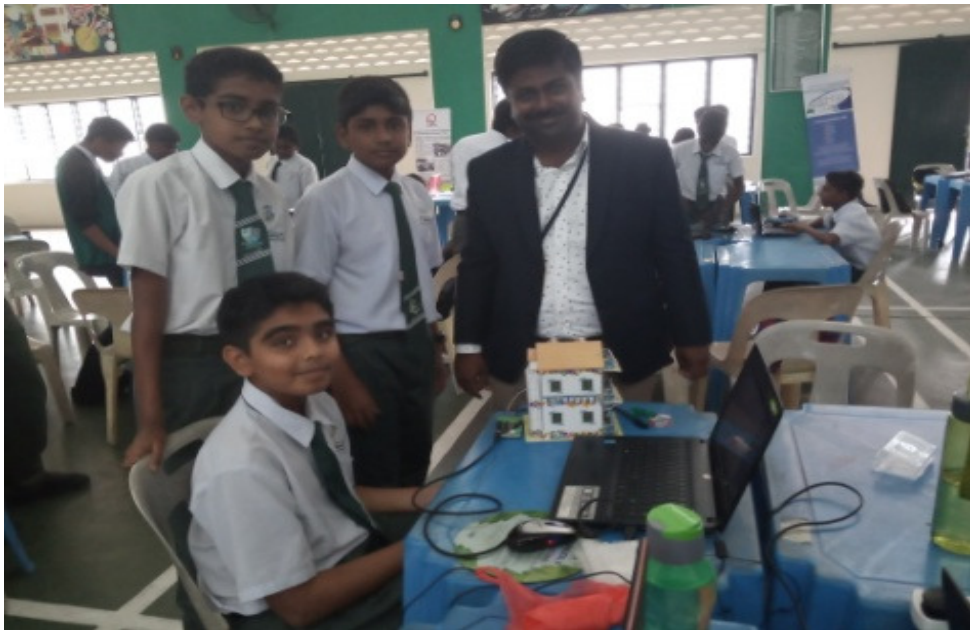
ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 22.7.19-24.7.19

PROGRAM: STEM ELECTRONICS INVENTORS WORKSHOP

VENUE: MALAYSIA-TELUK INTAN

WORKSHOP PHOTOS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 22.7.19-24.7.19

PROGRAM: ELECTRONICS INVENTORS WORKSHOP

VENUE: MALAYSIA-TELUK INTAN

PRESS REPORTS IN MALAYSIA NEWS PAPERS





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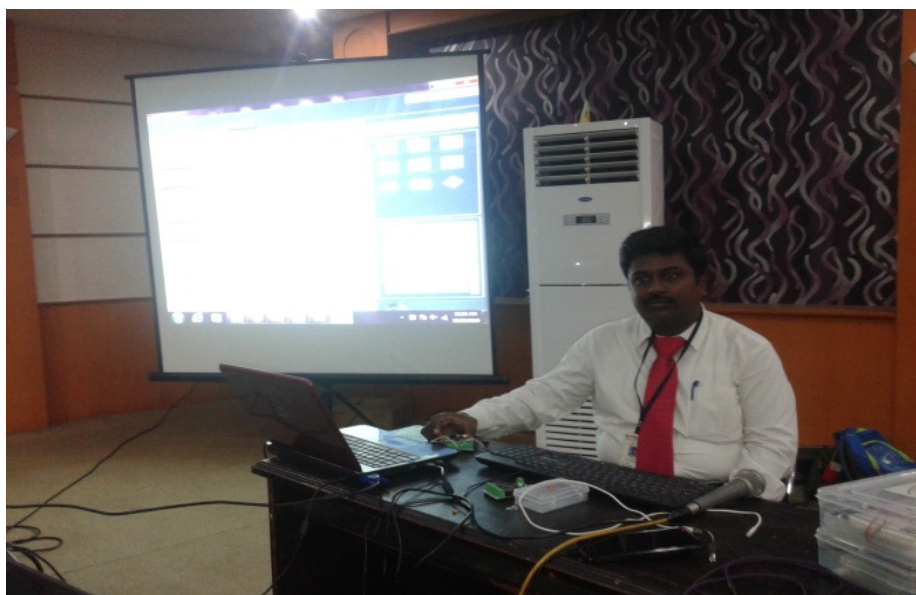
ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 21.10.19

PROGRAM: STEM ELECTRONICS INVENTORS WORKSHOP

VENUE: INDONESIA- BANTEN PROVINCE

WORKSHOP PHOTOS





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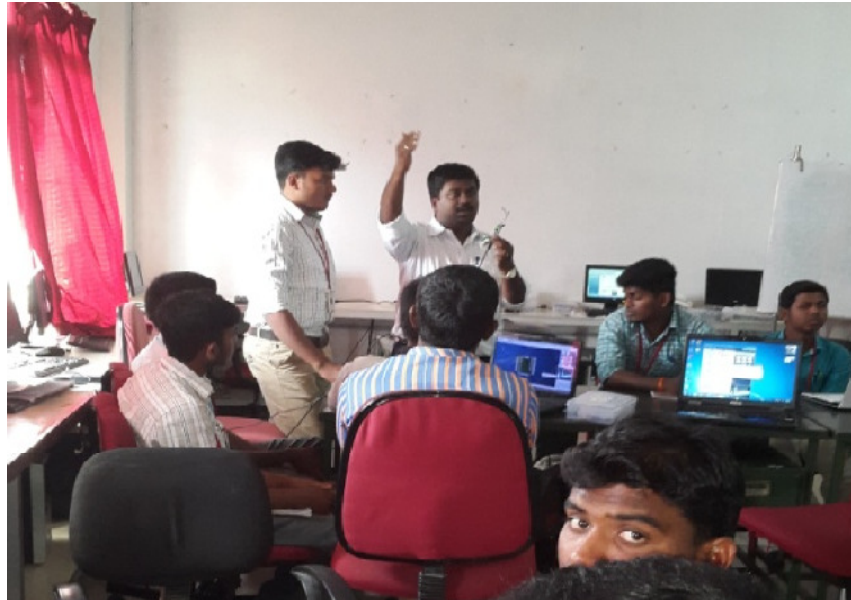
ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: DURING SEMESTER HOLIDAYS

PROGRAM: CERTIFICATE COURSE ON STEMSSEL INVENTOR & TRAINING FOR PROJECT EXPO

VENUE: SSM COLLEGE OF ENGINEERING

WORKSHOP PHOTOS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: DURING SEMESTER HOLIDAYS

PROGRAM: CERTIFICATE COURSE ON STEMSEL INVENTOR & TRAINING FOR PROJECT EXPO

VENUE: SSM COLLEGE OF ENGINEERING

PHOTOS OF STEM PROJECTS BY SSM STUDENTS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: DURING SEMESTER HOLIDAYS

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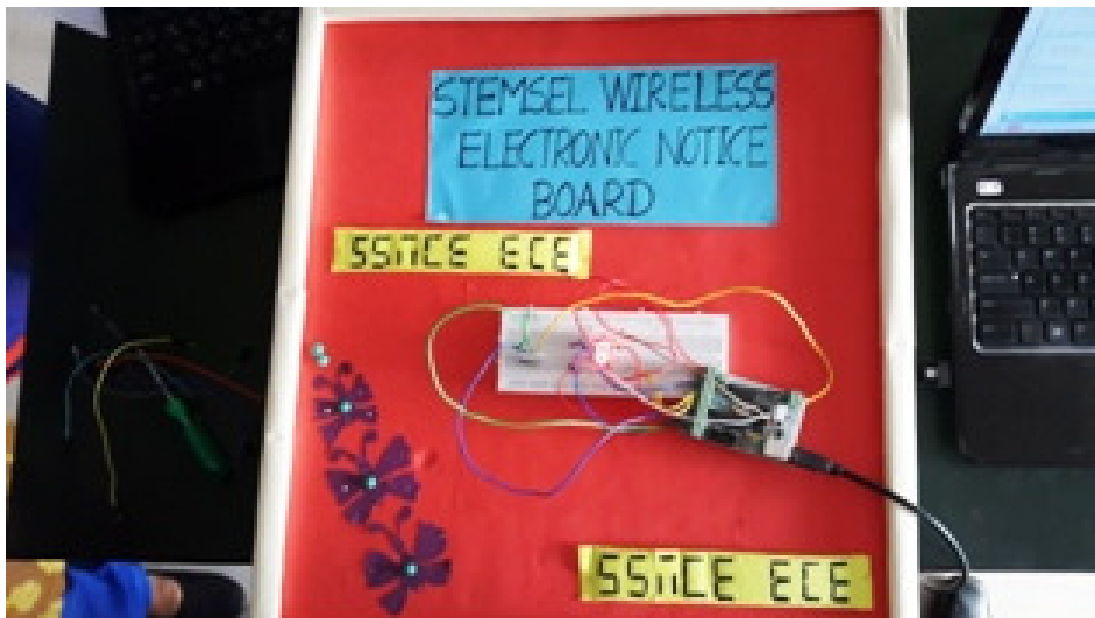
ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: DURING SEMESTER HOLIDAYS

PROGRAM: CERTIFICATE COURSE ON STEMSSEL INVENTOR & TRAINING FOR PROJECT EXPO

VENUE: SSM COLLEGE OF ENGINEERING

PHOTOS OF STEM PROJECTS BY SSM STUDENTS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

PROGRAM: SSM INNOVATOR ELECTRONICS AND ROBOTICS WORKSHOP FOR SCHOOL STUDENTS

VENUE: SSM COLLEGE OF ENGINEERING

WORKSHOP BROCHURE & INVITATION



SSM INNOVATOR ELECTRONICS & ROBOTICS WORKSHOP

FOR SCHOOL (6th -12th Standard) & POLYTECHNIC STUDENTS

Learn to Make Your

ROBO MODEL, SCIENCE EXHIBIT MODEL BLUETOOTH PROJECT, Runline IoT Etc

In a One Day workshop!!!!!!

Using Easy To Learn
Australian Technology

First Time in INDIA

INTERNET OF THINGS
IOT

**100 + INNOVATOR WORKSHOPS CONDUCTED BY
SSM COLLEGE OF ENGINEERING IN INDIA, MALAYSIA & INDONESIA**

Workshop Fee:

For Private School / Private Polytechnic Students Rs 500/- Per Student (Group Concession : Rs 250 Per Student For a Batch of 5 Students & Above) MAKE PAYMENT VIA UPI ID: 8870896621@ ybl	FREE*	For Government School / Government Polytechnic Students (*Workshop Fee For Students From Government Schools, Polytechnic is Fully Sponsored by Elabtronics, Australia)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DATES OF ONE DAY WORKSHOP
(Participants Can Attend in any of these 1 Day Workshop)

03.08.22 (Wednesday)
10.08.22 (Wednesday)
25.08.22 (Thursday)
07.09.22 (Wednesday)

Workshop Duration: 1 Day Timings: 10 AM to 3 PM
To Attend in other Dates: Contact Workshop Coordinator

Venue:
SSM INNOVATION CENTER,
SSM COLLEGE OF ENGINEERING,
Komarapalayam- 638183
In Association with
Elabtronics & STEMSEL Foundation, Australia

Importants !
Registration through SMS / Whatsapp is compulsory
Prof. Dr. K. Balaji, M.E., Ph.D.,
Mobile : 88708 96621
<http://ssminnovationcenter.website2.me/achievements>

To Register & Attend the One Day Workshop
SMS / Whatsapp

<YOUR NAME >&<SCHOOL NAME><WORKSHOP DATE>
To Mobile: 88708 96621

To Register In Group ,Whatsapp Participants Name List
Signed by HM/Principal (or) Contact Workshop Coordinator

Note:

1. Registration will be Made on the Basis of
First Come First Serve
2. SMS Will be sent if your registration is confirmed
before the Workshop
3. E-Certificate for all active Participants
4. Limited No of Students Per School will be selected
5. Students should bring their ID Card & Lunch
6. Participants of the Workshop can utilize the college
Bus Facility





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 10.8.22

PROGRAM: SSM INNOVATOR ELECTRONICS AND ROBOTICS WORKSHOP FOR SCHOOL STUDENTS

VENUE: SSM COLLEGE OF ENGINEERING

PHOTOS OF INNOVATOR WORKSHOP FOR SCHOOL STUDENTS





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DATE: 10.8.22


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PHOTOS OF INNOVATOR WORKSHOP FOR SCHOOL STUDENTS



PARTICIPATION CERTIFICATE SAMPLE



SSM COLLEGE OF ENGINEERING
Komarapalayam - 638 183




75
Azadi Ka
Amrit Mahotsav




PARTICIPATION CERTIFICATE
This certificate is proudly presented to
B.K.ABILAN , VI STD
RAILWAY SENIOR SECONDARY SCHOOL (CBSE) , ERODE

**For Attending SSM Innovator Electronics & Robotics
Workshop**

Thank you for your Active Participation!



'Cavalier' Dr. M. S. Mathivanan
CHAIRMAN
SSM EDUCATIONAL INSTITUTIONS





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 28.4.22

PROGRAM: STEM AWARENESS SEMINAR FOR FIRST YEAR STUDENTS

VENUE: SSM COLLEGE OF ENGINEERING

PHOTOS OF STEM AWARENESS SEMINAR





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ACTIVITIES OF SSM STEM INNOVATION CENTER

DATE: 29.12.23

PROGRAM: STEM PROJECT BASED LEARNING WORKSHOP

VENUE: SSM COLLEGE OF ENGINEERING

PHOTOS OF STEM PROJECT BASED LEARNING WORKSHOP FOR SSM STUDENTS





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FEEDBACK BY THE PARTICIPANTS

PROGRAM: STEM PROJECT BASED LEARNING WORKSHOP

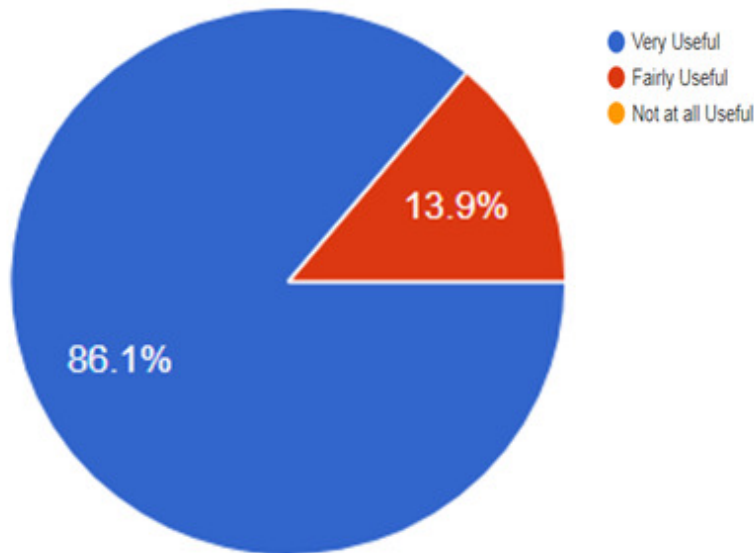
VENUE: SSM COLLEGE OF ENGINEERING

Questions Responses **105** Settings Total points: 0

Is the Project Based Learning followed in SSM Useful?



101 responses



*** 100% Participants felt the workshop as Useful**

Feedback Responses Link:

<https://docs.google.com/forms/d/1uQMegk9WvLvg5O2O3sDpvpiK0YNJo1SqH121Whtt3zE/edit#responses>



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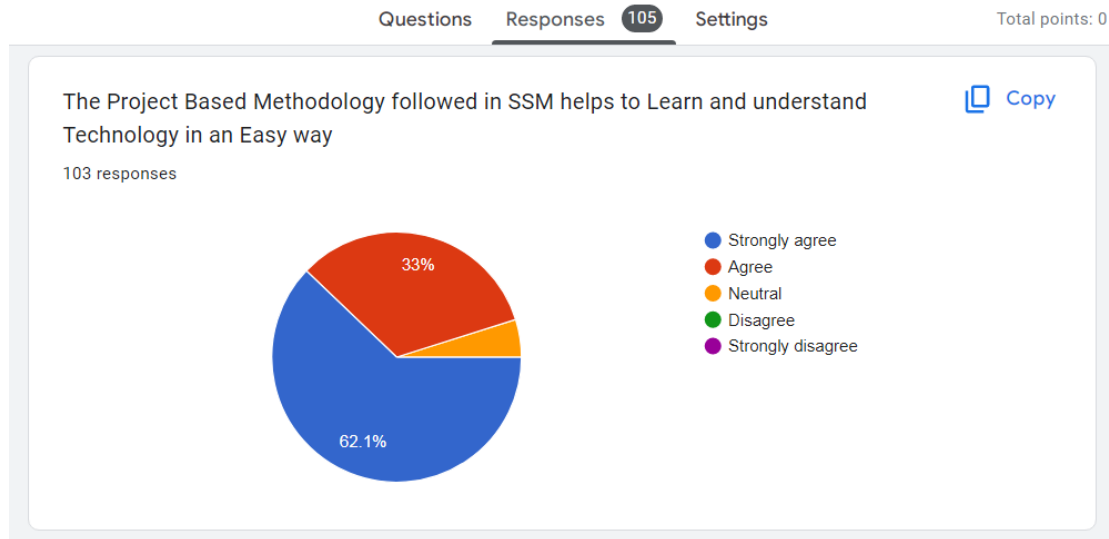
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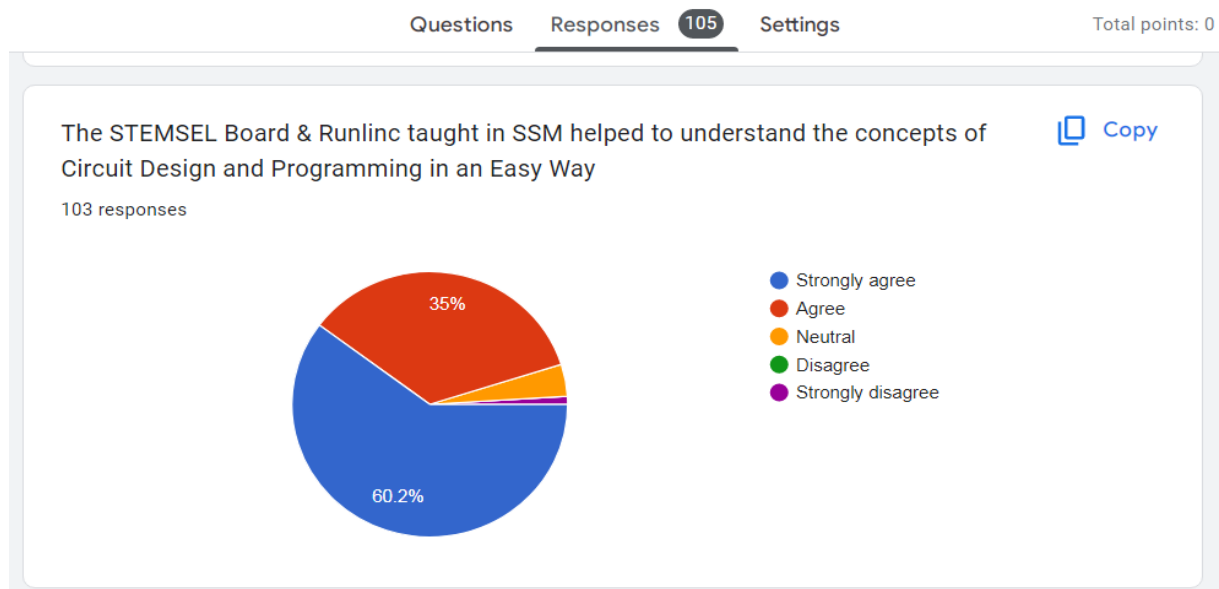
PROGRAM: STEM PROJECT BASED LEARNING WORKSHOP

VENUE: SSM COLLEGE OF ENGINEERING

FEEDBACK BY THE PARTICIPANTS



*** 95.1% of the Participants agreed that the SSM Project based Methodology helps them to Learn and understand the Technology in an Easy way**



*** 95.2% of the Participants agreed that the workshop helped them to understand the concepts of Circuit design and programming in an easy way**



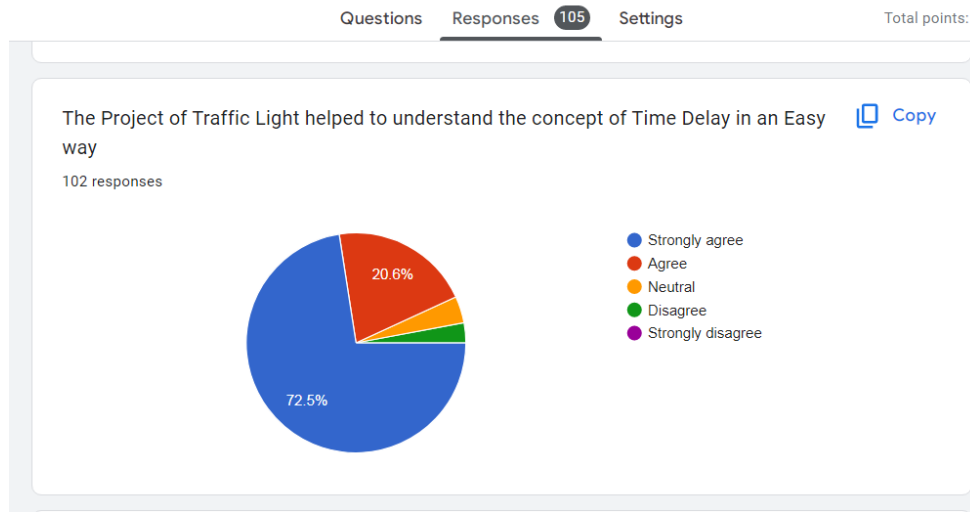
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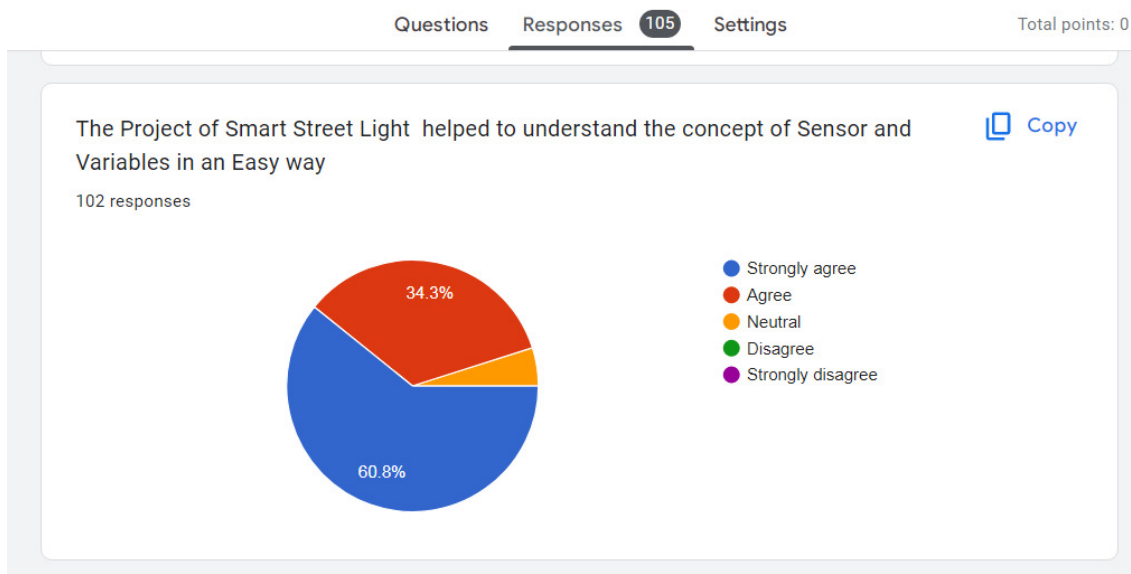


*** 93.1% of the Participants agreed that the SSM workshop helped them to understand the concept of Time delay through a Traffic light project**

PROGRAM: STEM PROJECT BASED LEARNING WORKSHOP

VENUE: SSM COLLEGE OF ENGINEERING

FEEDBACK BY THE PARTICIPANTS

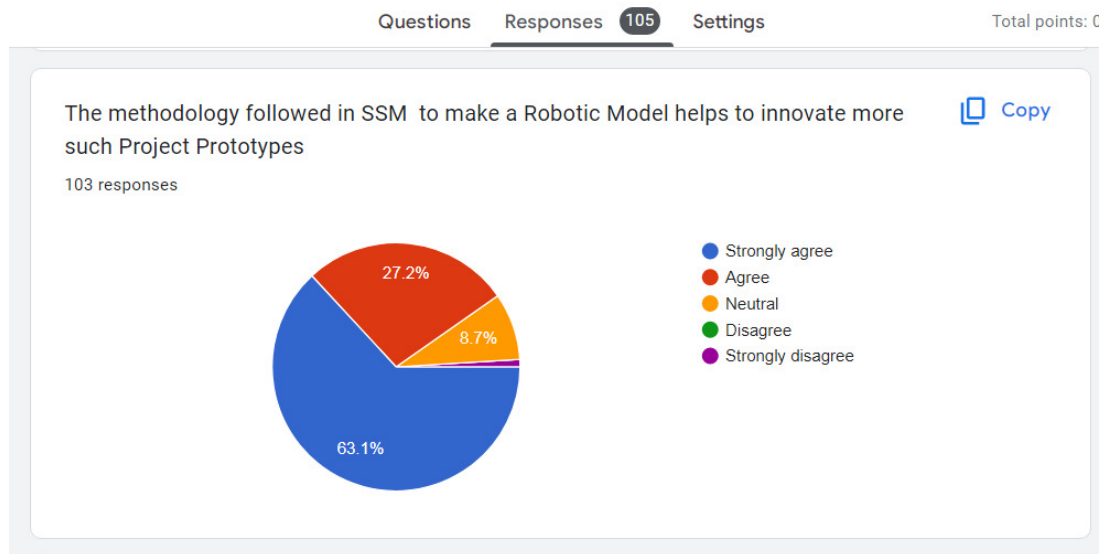


*** 95.1% of the Participants agreed that the SSM workshop helped them to understand the concept of sensor and variables in an easy way through the project of smart street light**



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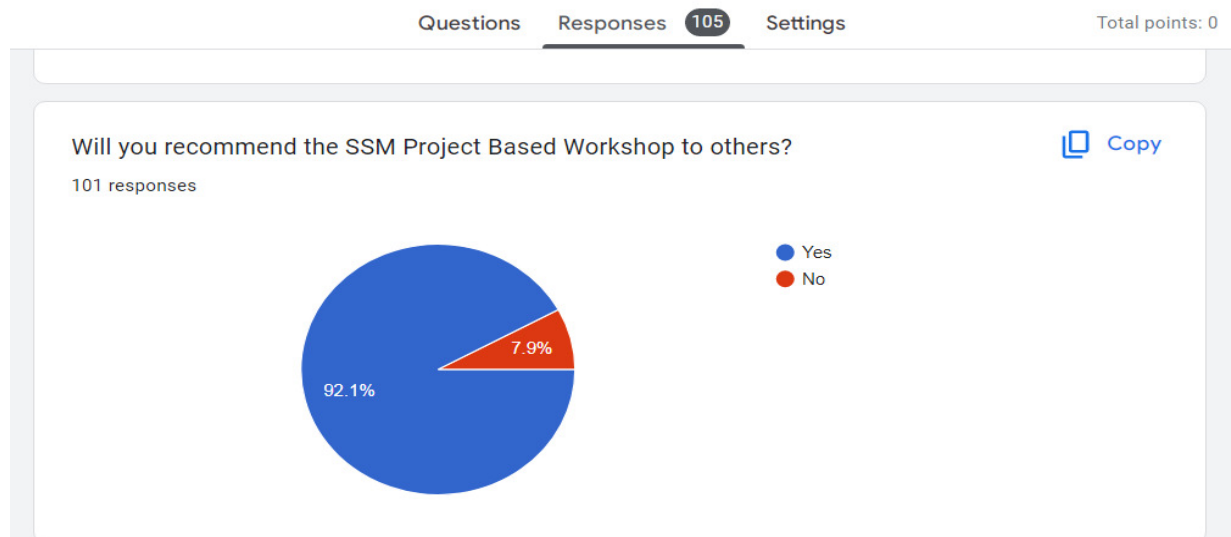


*** 90.3 % of the participants agreed that the SSM workshop may help them to innovate and develop more project prototypes**

PROGRAM: STEM PROJECT BASED LEARNING WORKSHOP

VENUE: SSM COLLEGE OF ENGINEERING

FEEDBACK BY THE PARTICIPANTS



*** 92.1 % of the Participants responded that they will recommend the SSM Project based workshop to others**



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GENERAL COMMENTS GIVEN BY THE PARTICIPANTS

excellent
innovative and useful
THE PROGRAM IS VERY GOOD . IT IS VERY USEFUL . I LIKE THE PROGRAM VERY MUCH .
1st time of doing a useful and technology related workshop in a great manner ,thanks for all
very useful for future generation
exelent class
i like that program very much . it was interesting .
Very Essential
this this workshop is more usefull for learning robotics
it is easy to learn the coddng
it is very useful for future generation
very innovative & i really appreciated it..!
it was very easy to understand,it was very helpful and i enjoyed the class,it may help me in the future,thank you for conducting this program.
it is very helpful for the students who are without any basic idea of robotics programming.
I LIKE THIS PROGRAM . IT IS VERY USEFUL FOR TO LEARN THE ROBOTICS . I WAS INTERSTED TO LEARN THIS ROBOTICS . I ENJOYED THID CLASS
its nice but its little boring but thanks to ssm trainer
This workshop is very useful to us , thank you for this arrangements
good coaching they teaching nicely i learnt manymore from this robotic class i like this robotic class
Good coaching thankyou
But the projector was not fully visble to the last sintting memvers
Good
Very nice
Very useful
Good
Very nice
It's very use full
Very useful to information.i will learn more things
good
Ok , 1st of all i'm a biology so dont know anything about programming but stemsel of ssm help to understand
To good
It's very important it's very useful to us thank you sir you made me and teach me and to make ur opportunities



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ANALYSIS OF FEEDBACK COMMENTS

POSITIVE COMMENTS	COMMENTS WITH SCOPE FOR IMPROVEMENT
98 %	2 %

SUMMARY: From the above feedback, a quantitative analysis is made to find the percentage of the students interested in attending the workshop conducted by the SSM Innovation center.

- It has been observed that 98% of the comments are positive and some comments showed a scope for further improvement. Those suggestions will be considered and rectified in the upcoming workshops.
- Such a practice of offering STEM based innovator workshops to teach new technologies using a project based learning methodology is a notable and a distinctive feature.



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APPRECIATION RECEIVED IN MALAYSIA





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SSM STEM INNOVATION CENTER

AWARD RECEIVED BY FACULTY



AWARD OF APPRECIATION

This certificate is awarded to

Prof. K.BALAJI

FOR SUCCESSFULLY CONDUCTING THE TRAINING PROGRAM ON

Stemsel Electronics Inventors Workshop

SEKOLAH MENENGAH KEBANGSAAN ST. ANTHONY TELUK INTAN

22 JULY - 25 JULY 2019

for the

ST ANTHONY'S SCHOOL OLD BOYS ASSOCIATION



PROFESSOR DR SELVARAJ OYYAN PILLAY
President
ST Anthony's School Old Boys Association

DR. M.S. MATHIVANAN
Chairman
SSM Group of Colleges



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SOCIAL RESPONSIBILITY ACTIVITIES

PROGRAM: STEM AWARENESS SEMINAR

VENUE: SRK MATRICULATION SCHOOL, PALLAKKAPALAYAM

SEMINAR PHOTOS





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SOCIAL RESPONSIBILITY ACTIVITIES

PROGRAM: STEM AWARENESS SEMINAR

VENUE: SRI VIDHYASAAGAR MATRICULATION SCHOOL, SANKAGIRI

SEMINAR PHOTOS





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SOCIAL RESPONSIBILITY ACTIVITIES

PROGRAM: STEM AWARENESS SEMINAR

VENUE: Government Higher Secondary School, Elumathur

SEMINAR PHOTO



PROGRAM: STEM AWARENESS SEMINAR

VENUE: Government Higher Secondary School, PALLAKKAPALAYAM

SEMINAR PHOTO





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SOCIAL RESPONSIBILITY ACTIVITIES

PROGRAM: STEM AWARENESS SEMINAR

VENUE: DEAF & DUMB SCHOOL, PERUNDURAI

SEMINAR PHOTO



As a part of Social Responsibility initiative, SSM Innovation Center is regularly conducting STEM Awareness seminars to the Deaf & Dumb students in Perundurai in association with APEX Club Erode and APEX Malaysia. The STEM training given by the SSM Professors is demonstrated in sign language by the school teachers.

Link to Watch video of the Deaf & Dumb Students Learning STEM Innovation

https://www.youtube.com/watch?time_continue=5&v=cEwql-wNWGA&feature=emb_logo





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WORKSHOP BENEFITS

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Welcome to the World of Education & Innovation

- SSM Innovation Center, First of Its Kind In INDIA is Established by 'Cavalier' Dr.M.S. Mathivanan, Chairman, SSM Educational Institutions with the Motto of providing world Class Technology training in Education at SSM to Foster Innovations in the areas of Science , Technology , Engineering to achieve Better Placement & Create Entrepreneurial Environment for the benefit of Students & the Society.
- SSM INNOVATION CENTER is Established in Association with Australia Elabtronics & STEMSEL Foundation (Science Technology Engineering Mathematics Social Enterprise Learning) as Technology Partners for training and conducting the Innovation Workshops and Product Development
- SSM INNOVATION CENTRE , is associated with Yunus Center, Bangladesh and Entrepreneurship Development Center(EDC) for Entrepreneurship Development and Social Business Learning

FACILITIES

- WORLD CLASS INNOVATION LAB First of Its Kind in India WITH STEMSEL SOFTWARE & HARDWARE
- TRAINED FACULTY MEMBERS

BENEFITS OF TRAINING IN SSM INNOVATION CENTER:

- Helps to create Innovations in a Easy & Quick Way
- RESEARCH & Application ORIENTED EDUCATION

AUSSI SCHOLARSHIP



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@ SSM INNOVATION CENTER

To Learn Do It yourself

Science & Technology

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2016 ROYAL ADELAIDE SHOW
* FIRST PRIZE *

Won By Students of
SSM Innovation Center

Achievements of SSM Innovation Center

15 International Awards

Trained 2000+ Students

100+ Workshops Conducted in
India, Malaysia By
SSM Innovation Center



- SSM Innovation Center STUDENTS achieved International Recognition by winning 9 PRIZES IN AUSTRALIA ROYAL ADELAIDE INVENTORS COMPETITION, 2016 - 2 Prizes in 2017 & 2 Prizes in 2018





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TESTIMONIALS PAGE IN THE WEBSITE



TESTIMONIALS

"STEMSEL is a very useful technology to make project Prototypes in an Easy & Quick way for Learning STEM, Experimenting, Science Exhibitions & Research!"

- Haritharan, Students at SSM College of Engineering

Listen to the Speech By
Apxn John Phillips,
Past National President,
APEX Clubs of Australia,
About the Success of SSM Innovator Workshop
Participants in the International Competition
Australia Royal Adelaide Project Show

▶ 00:00 00:00 ◀

*STEMSEL Innovator Workshop
@ SSM Innovation Center-
"Way of the Future"*

SSM Chairman 'Cavalier' Dr.MS.Mathivanan
About the Benefits of STEMSEL Training
by SSM Innovation Center

20161015 101011

"STEMSEL targets Primary schools at an earlier age than teachers might otherwise appreciate from looking at the competition."

- John Phillips, STEM Taskforce Manager, Women Centre, University of Sydney NSW



Listen to the Speech By
Mr.C.S.Naidu,
Past National President,
APEX Malaysia,
About the Benefits of STEM Innovator Workshop
in the Inauguration of
SSM Innovation Center

▶ 00:00 00:00 ◀

*STEMSEL Innovator Workshop
@ SSM Innovation Center-
"Next Level of Education"*

Watch this Youtube Video to see the Happiness of
Students @ Malaysia
Completing their Science Project in Half an Hour

20161018 1258100

	<p>SSM INNOVATION CENTER SSM COLLEGE OF ENGINEERING NH-544, SALEM MAIN ROAD KOMARAPALAYAM- 638 183 TAMIL NADU, INDIA</p>		<p>Contact to Attend the Innovator Workshop : Mobile: +91 8870896621 E-mail : balajilabboy@gmail.com</p>
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**We Learn... We Innovate...
We Create Success...**



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<http://ssminnovationcenter.website2.me/>