



**MOHAMED SATHAK  
ENGINEERING COLLEGE**

KILAKARAI-623 806, RAMANATHAPURAM DIST.  
Approved by AICTE, COA, New Delhi, DGS Mumbai, Affiliated to Anna University,  
An ISO 9001:2015 Institution, Sponsored by Mohamed Sathak Trust, Chennai - 06.



( Recognized under section 2(f) & 12B of UGC, New Delhi )



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## CRITERION 7

## INSTITUTIONAL VALUES AND BEST PRACTICES

**7.2 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Academic Year**

**2023-24**



Sathak Nagar, East Coast Road, Kilakarai - 623806.  
Ramanathapuram - District. Tamilnadu.

## 7.2. Best Practice

### Best Practice - I

#### i) Response:

#### **Best Practice 1: Skill Development for Enhancing Employability and to promote Entrepreneur Eco-system**

#### ii) Goal:

- Enhance quantitative and aptitude ability of the students.
- Improve their ability to express their views and ideas without any fear.
- Help them to enhance their analytical and logic building ability, there by programming becomes a habit.
- Ensure that they use good vocabulary so that communicating with international clients will not be a problem.
- Inculcate self-learning as part of their routine learning activity
- Involving students in entrepreneurial activities.

#### iii) Context:

- A decade ago recruiting companies gave a feedback that students were technically good but need to be trained for (communication) soft skills. That motivated us to go in for a plan of action and started organizing training programs for soft skills.
- Couple of years ago on interaction with recruiters we came to understand that students need to be introduced to recent technologies, as they are not part of curriculum. Hence by collaborating with various industries we have formed Centre of Excellences for different technologies.
- Last year companies stated that graduate engineers are expected to be productive from day one and whatever may be the stream of study, the students are expected to possess good programming ability.



  
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- Due to the global scenario, it is essential to produce job providers than job seekers.
- During their First year of study all students are given an orientation program to make them understand what engineering is all about.
- They are being introduced to various essential life skills that need to be possessed by an engineer. Students are given detailed introduction to the scope and opportunities available for their field of specialization.
- Motivational programs are conducted to ignite their thinking ability. They are also exposed to a workshop on creative thinking which is essential for any individual to innovate. Both written and oral communication skill development trainings are scheduled and conducted to all our students.
- Business English Certification (BEC). Resource persons from Business English are made Additional training is provided to ensure that their analytical ability and reasoning ability are enhanced. They are motivated to participate in national level competitions conducted by various agencies and industries (like AICTE, Chrome Solution, ICTACT, Texas Instruments, IBM) to showcase and enhance their technical skills.
- During their third year of study students are trained to enhance their problem-solving ability.
- All students are mandatorily trained on enhancing their programming skills as all engineering graduates are expected to be computer literate.
- During the third-year students are provided with various opportunities to enhance their domain knowledge and also enhance their presentation and communication skills.
- Various Centre of Excellence (COE) are set up to impart training on a specific domain. With the help of industry experts, we form core committees which will decide and frame the syllabus to be delivered as part of training through a COE.



  
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- Faculty members are trained by industry experts who would subsequently train the students. In certain cases, industry experts, themselves train the students.
- Conduct Learn-wise programme through National Entrepreneurship Network and EDI, Government of Tamilnadu, which lead to students setting up startups.

Semester	Name	Duration
I	Orientation Programme	One week
	Motivation Programme	One Week
	Motivation Programme	One week
II	Engineering Orientation Programme	One week
	Creative Thinking Workshop	One week
	Motivation Programme	One week
III	Campus Readiness Programme	Two weeks
	Communication Skills BEC Training	One week
	Mock Aptitude Test	One Day
IV	Communication Skills - BEC Training	One week
	Campus Readiness Programme	Two weeks
	Mock Aptitude Test	One Day
V	Aptitude Training Programme	Five days
VI	Mock Aptitude Test	Three Days
VII	Aptitude Training Programme using Smart	Two days
VIII	Two days 8 Mock Interview Technical & HR	Two days



  
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#### **iv) Evidence of Success:**

##### **Guidance for Competitive Examinations**

GATE Forum resource material is available in the College Library. The Placement Cell provides competent training to the students on aptitude; verbal communication and group discussion which enable the students appear for various competitive examinations during their course of study and also after attaining the degree. Also we signed a MoU with Smart Leaders IAS, Chennai to provide guidance for our students on various aspects related to competitive exams.

Career Counseling is a process that will help the students to know and understand themselves and the world of work in order to make career, educational, and life decisions. Career development is more than just deciding on a major and what job you want to get when they get graduated. There are a number of factors that influence your career development, including their interests, abilities, values, personality, background, and circumstances. In our college, we are giving career counseling to our students to get idea clear about their future career. The goal of Career Counseling is to not only help them to make decisions, but to give the knowledge and skills they need to make future career and life decisions. In each department, career counseling process for our students is conducted with the help of industrialists and our Alumni.

##### **Soft Skills Development**

Separate sessions for soft skills development is integrated in the placement training schedule through which the students can enhance the oral communication skill, personality development, collaboration and leadership qualities of the students. As a part of curriculum, communication skill lab is also in practice where the students are trained using a computer software package to strengthen their knowledge in listening, reading, writing and speaking. We signed MoU with various Trainers to make our students competent on soft skills by providing scheduled training.



  
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## Language Lab

Our language lab provides a rich environment to learn the language and a new outlook for the students to support themselves at the onset. As our rural and urban students have little exposure to communication skills, Communication Skills lab develops the Listening, Speaking, Reading and Writing (LSRW) skills. With the help of Aids, the faculties train the students to face interviews, group discussions and public speaking. Both fluent and less fluent students improve their effectiveness with the help of Communication Skills Lab. Online test is conducted to the students with the help of Intel Core due server. It cultivates the habit of reading passages from the computer monitor. The students can acquire comprehension skills after reading and listening to a text in the online test. Conversation, group discussion and mock interviews are conducted in the lab for the students. As students are asked to work in pairs & groups, they can speak English with confidence. The shy learners can get more benefits as they are working together. Active participation in Communication Skills Lab results in effective spoken language.

- During the last five academic years we had been a placement record of 70 % to 75 %.
- During the next three years, we had seen a little dip in the placement record due to recession (Corona virus).
- For the past three years, after practicing the model of Centre of Excellence training we have seen our placement percentage improving from 75 % to 80%.

### v) Problems Encountered & Resources Required:

- Making the students realize the importance of the training being imparted and make them participate with full involvement has been a problem in the beginning. As they see the fruits reaped by their seniors now most of the students are showing interest to become a member in any one of the Centre of Excellence.
- Trainers for many of the training programs are acquired through reputed training institutes. For technical training faculty members in our college are trained to deliver the content to our students.
- We have created the laboratories that are needed to train the students on various.



  
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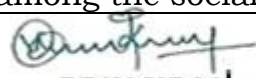


## Activity Organized Report

**Academic Year 2023 – 2024**

<b>Name of activity organized</b>	Orientation Programme
Title of the Activity	<b>Induction programme</b>
Date of activity organized	13.09.2023
Name of the coordinator of activity	Dr S. Selvaperumal
Place of the Activity	Auditorium , Mohamed Sathak Engineering College, Kilakarai , Ramanathapuam.
No of participant (Student and Staff)	520+115
<b>Summary Report :</b>  <p>The Mohamed Sathak Engineering College (MSEC) has organized a debate Induction Day Celebration on 13<sup>th</sup> September of 2023. The programme has started at 10.00 AM with a formal inaugural of "Tamilthaivalthu" and function presides over by the Principal Dr S. Selvaperumal . Education is one of the most important means of empowering the knowledge, skill and self confidence necessary to participate fully in the development process. Making an effort to seek them, raising the status of Students through education, awareness, literacy, and training. In turn may allow them more freedom to pursue their desired goals.</p> <p>The students and faculty members have Participated some cultural events and proved their talent and set the free mind societal status.</p>	
<b>Objective of the activity</b>	To Ignite and extract the Talent.
<b>Outcome of the activity</b>	Psychological strength of students is increased. Fearless relation among the social order.



  
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Speech given during Induction Programme by Actor Madurai Muthu



*[Signature]*  
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Induction program is held on 13.09.2023



  
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## Activity Organized Report

**Academic Year 2023 – 2024**

<b>Name of activity organized</b>	Motivation Programme
<b>Title of the Activity</b>	<b>HR Conclave Panel Discussion - Campus to Corporate</b>
<b>Date of activity organized</b>	28.10.2023
<b>Name of the coordinator of activity</b>	Dr V.Nirmal Kannan
<b>Place of the Activity</b>	Auditorium, Mohamed Sathak Engineering College, Kilakarai , Ramanathapuum.
<b>No of participant (Student and Staff)</b>	400+30
<b>Summary Report :</b>  The Mohamed Sathak Engineering College (MSEC) has organized a debate Motivation Program on 28 <sup>th</sup> October of 2023. The programme has started at 10.30 AM with a formal inaugural of "Tamilthaivalthu" and function presides over by the Principal Dr V.Nirmal Kannan. In order of creating awareness, literacy, Placement and training about the life for the students the program resource persons gave speech to the students and interacted with them for proceeding his idea and vision about life and also encouraged them with their entire positive. The optimistic speech of the resource person encouraged the students the grow more in life.	
<b>Objective of the activity</b>	To strengthen students mentally.
<b>Outcome of the activity</b>	Awareness is created among the students.



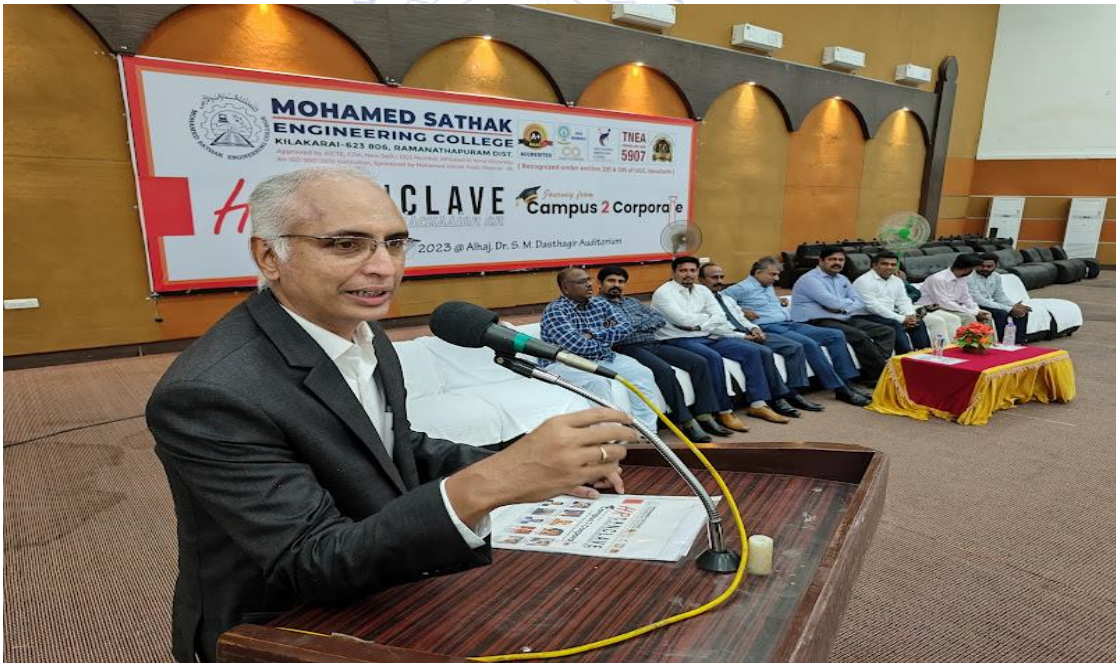
  
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Idea & vision is been tracked properly.



Chief Guest facilitated by Director



Resource Person interacting with the students



  
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## Activity Organized Report

**Academic Year 2023 – 2024**

<b>Name of activity organized</b>	Seminar
Title of the Activity	<b>Introduction to IoT and Blynk Platform (Online Mode)</b>
Date of activity organized	08.12.2023
Place of the Activity	Mechanical Seminar Hall, Mohamed Sathak Engineering College, Kilakarai , Ramanathapuum.
No of participant (students and staff)	122+18
<b>Summary Report :</b>  <p>The Mohamed Sathak Engineering College (MSEC) has organized a Seminar Programme on 08<sup>th</sup> Dec of 2023. The programme has started at 10.30 AM with a formal inaugural of "Tamilthaivalthu" and function presides over by the Principal Dr V.Nirmal Kannan . In order of creating awareness, literacy, and training about the <b>Introduction to IoT and Blynk Platform</b> by the program resource person, who explained about the IoT and Blynk Platform and students to know about these practice, also they interacted with them for preceding their ideas.</p> <p>Students and staff members learned new techniques and the assembling in practical by the experts and some more knowledge.</p>	
<b>Objective of the activity</b>	To enhance knowledge about the IoT and Blynk Platform.
<b>Outcome of the activity</b>	Students learned the IoT and Blynk Platform.



  
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Seminar on Introduction to IoT and Blynk Platform on 08.12.2023



Resource Person explaining about the process



  
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Online Lecture on

## INTRODUCTION TO IoT AND BLYNK PLATFORM

08<sup>th</sup> December 2023 @ 11.30 AM

Chief Guest

**Dr. Sugumaran Ganesan**

Lecturer in Engineering Department,  
University of Technology and Applied Science- Nizwa,  
Oman

Convenor

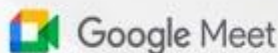
**Dr. S. Selvaperumal**  
Dean / Research

**Dr. R. Niraimathi**  
HoD / EEE

Co-ordinators

**Dr. A. Manjula**  
Asso. Professor / EEE

**Mrs. P. Radha**  
Asso. Professor / EEE



Link: <https://meet.google.com/zzs-bbxq-bsv>

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Seminar Invitation for Introduction to IoT and Blynk Platform on  
08.12.2023





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## Best Practice - II

### i) Response:

#### 1. Title of the Practice: **Voluntary Blood Donation Camp**

### ii) Goals:

- To promote academic-public people interaction.
- To expose students to know the importance of blood donation.
- To encourage students to donate the Blood Voluntary.
- To encourage students to save the people life.
- To provide mentoring to engineering student's fear about this blood donation.
- To enhance social contribution in Engineering Education.

### iii) The Context

Blood donation is the essential parameters for social contribution of state -of - living art to meet challenges of victim persons. In today's Tamilnadu reported a rise in road accident fatalities in 2023 for the first time in three years while Chennai topped in road accidents among the metros for the third year in a row, hence the Engineering Graduates need to give topmost importance in Blood donation. There is insistent need to motivate Engineering Graduates to opt Blood donation to accelerate to save the people life. Right from first year of engineering, students insist to participate the Blood donation Voluntary. A Madurai regional level Blood donation camp organized by the Mohamed Sathak Engineering College and donated blood more than 300 Units.

### iv) Practice

This event has a successful history of last 10 years

Mohamed Sathak Engineering College is conducting "BLOOD DONATION" camps regularly in the campus under National Service Scheme



  
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(NSS) in association with the Tamil Nadu State Blood Transfusion Council & Tamil Nadu State Aids Control Society and Meenakshi Mission Hospital & Research Centre, Madurai. The NSS unit is planning and organizing these events. It is surprising to note that the response of blood donors is very high. Many students and Teachers are voluntarily participating in the camp to donate the blood.

NSS Programs are being coordinated by NSS Officers Mr. G.Sivabalan, AP/Chemistry. We have immense pleasure in organizing such drives in our college campus. Our management is providing all needy helps in organizing such camps. We wish to conduct many more such events in the college in the forth coming years. Many free Health checkups programs are also being organized in the college campus for the benefit of students, Teachers and others. During these health check-up programs, the Doctors/Nurses conducts blood pressure and other tests. We have been awarded with “Best Motivator awards” in regional level for the year 2012, 2013, 2016, 2017, 2018, 2019 , 2021, 2022, 2023 for organizing such programs.

#### **v) Evidence of Success**

- Over the period of time there is a significant improvement in the Blood donor.
- Due to interaction of Medical professionals, Staffs and students have involved in blood donation camp inside the college campus and also outside the campus (Ramanathapuram Medical College and Hospital) is accelerated and resulted in the improved number of donor.
- Some donors have gone for the Meenakshi Mission Hospital & Research Centre, Madurai and are donated blood for urgent needy.
- Some active donors have developed their own family group and donated to their family members and friends.



  
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- Since MSEC have been awarded with “Best Motivator awards” for the year 2012, 2013, 2016, 2017, 2018, 2019 , 2021, 2022, 2023 for organizing such programs.

#### **vi) Problems Encountered and Resources Required Problems Encountered**

- Lack of interest.
- Lack of awareness.





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## Activity Organized Report

**Academic Year 2023 – 2024**

<b>Name of activity organized</b>	Blood donation
<b>Title of the Activity</b>	<b>Voluntary Blood Donation Camp</b>
<b>Date of activity organized</b>	07.10.2023
<b>Name of the coordinator of activity</b>	Mr. G.Sivabalan, AP/Chemistry
<b>Place of the Activity</b>	Auditorium , Mohamed Sathak Engineering College, Kilakarai ,Ramanathapuam.
<b>No of participant (Student and Staff)</b>	400 + 15
<p><b>Summary Report :</b></p> <p>The Mohamed Sathak Engineering College (MSEC) has organized a blood donation camp on 07<sup>th</sup> OCT of 2023. The programme has started at 10.00 AM by the NSS Coordinator Mr. G.Sivabalan, AP/Chemistry. In order of saving lives from an endangered position who met with accidents or by some other calamities. We have immense pleasure in organizing such drives in our college campus. Our management is providing all needy helps in organizing such camps. We wish to conduct many more such events in the college in the forth coming years. Many free Health checkups programs are also being organized in the college campus for the benefit of students, Teachers and others. During these health check-up programs, the Doctors/Nurses conduct blood pressure and other tests.</p>	
<b>Objective of the activity</b>	To aware students about the importance of blood donation.
<b>Outcome of the activity</b>	Students and staff donated blood. The percentage of donors have been increased





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Students donating their blood



Trophy for national blood donation day



*Dr. V. Nirmal Kannan*

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