

Date: 16-May-2019



To

The Head of Department
Department of MCA
St Joseph Engineering College
Vamanjoor, Mangalore

Dear Sir/Madam

This is to certify that Mr. Aditya Prabhu G (4SO16MCA01), MCA Final Semester student from the MCA Department of your college has successfully completed the project titled "**Crie Champs**" at our Company for the duration of 16 weeks as a part of his MCA curriculum.

Umesh V Kamath

VP - HR

Robosoft Technologies Pvt. Ltd.

technopulse

INTENSIVE TECHNICAL CARE 24/7

3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 28.05.2019

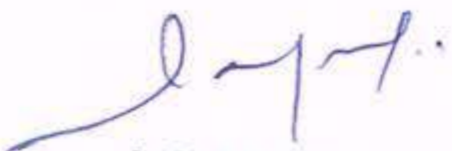
To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Ms.Akshaya (4SO16MCA02)**, MCA Final Year student of **St. Joseph Engineering College**, Mangaluru has successfully completed the project work titled "**CABLE OPERATION DESK.**" At Technopulse, Mangaluru as part of her MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

technopulse

INTENSIVE TECHNICAL CARE 24/7

3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in, www.technopulse.in

Date: 28.05.2019

To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Mr Chandan S R(4SO17MCA70)**, MCA Final Year student of **St. Joseph Engineering College, Mangaluru** has successfully completed the project work titled "**Dairy Distribution.**" At Technopulse, Mangaluru as part of his MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

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INTENSIVE TECHNICAL CARE 24/7

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Date: 16 May 2019

To

The Head Of Department
Department Of MCA
St. Joseph Engineering College
Vanasjoor, Mangaluru

Dear Sir/Madam

This is to certify Ms. Navyashree (45017MCA72), MCA Final Semester student from the MCA department of your college has successfully completed the project titled "Pay and Park" at our Company for the duration of 16 weeks as a part of her MCA curriculum.


I.A. Moysamuddin

Managing Director

TECHNOPULSE

3rd Floor, City Light Building,
Balmatta Road, MANGALORE - 01

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INTENSIVE TECHNICAL CARE 24/7

3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 10.04.2018

To

The Head of Department

Department of MCA

St Joseph Engineering College

Vamanjoor

Dear Sir/ Madam

This is to certify that Ms Nishitha P (4SO16MCA09), MCA Final Semester student from the MCA Department of your college has successfully completed the project titled “RTO Management System.” Ms Nishitha P (4SO16MCA09) has completed this project at our company as a part of her MCA curriculum.

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3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 28.05.2019

To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that Mr Nithesh P(4SO17MCA74), MCA Final Year student of St. Joseph Engineering College, Mangaluru has successfully completed the project work titled “Smart Studio.” At Technopulse, Mangaluru as part of his MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

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INTENSIVE TECHNICAL CARE 24/7

3rd Floor City Light Building, Balmatta Road, Mangalore - 01

Phone: 0824-4252737, Email: info@technopulse.in, www.technopulse.in

Date: 16-May-2019

To

The Head of Department

Department of MCA

St Joseph Engineering College

Vamanjour, Mangalore

Dear Sir/ Madam

This is to certify that **Ms.Pranzela G K(4SD16MCA11)**, MCA Final Semester student from the MCA Department of your college has successfully completed the project titled

"**GST Inventory**" at our Company for the duration of 16 weeks as a part of her MCA curriculum.


J.A.Muyeemuddin

Managing Director

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

Technopulse

INTENSIVE TECHNICAL CARE 24/7

3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 28.05.2019

To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Ms Rajani K M (4SO16MCA12)**, MCA Final Year student of **St. Joseph Engineering College, Mangaluru** has successfully completed the project work titled **“Tv Advertisement Portal.”** At Technopulse, Mangaluru as part of her MCA curriculum.

Thanks & Regards



I.A. Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE
3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

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3rd Floor City Light Building, Balmatta Road, Mangalore - 01

Phone: 0824-4252737, Email: info@technopulse.in, www.technopulse.in

Date: 16-May-2019

To

The Head of Department

Department of MCA

St Joseph Engineering College

Vamanjoor, Mangalore

Dear Sir/ Madam

This is to certify that **Ms.Ramya Prabhu M (4SO16MCA13)**, MCA Final Semester student from the MCA Department of your college has successfully completed the project titled "**EMPLOYEE ASSOCIATION SYSTEM**" at our Company for the duration of 16-weeks as a part of her MCA curriculum.



I.A.Muyeenuddin

Managing Director

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

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3rd Floor City Light Building, Balmatta Road, Mangalore – 01

Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 28.05.2019

To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Mr Reyvan R Fernandes(4SO16MCA14)**, MCA Final Year student of **St. Joseph Engineering College, Mangaluru** has successfully completed the project work titled “**Factory Management System.**” At Technopulse, Mangaluru as part of his MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

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3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

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Date: 28.05.2019

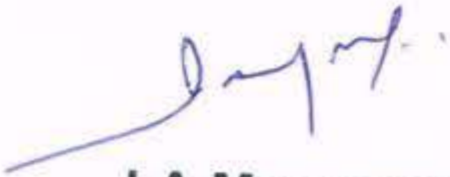
To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Ms.Sandhya (4SO16MCA18)**, MCA Final Year student of **St. Joseph Engineering College**, Mangaluru has successfully completed the project work titled "**Ambika Driving School.**" At Technopulse, Mangaluru as part of her MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

technopulse

INTENSIVE TECHNICAL CARE 24/7

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Phone: 0824-4252737, Email: info@technopulse.in. www.technopulse.in

Date: 28.05.2019

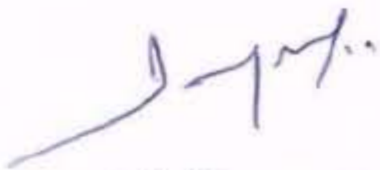
To,

The Head of Department,
Department of MCA,
St. Joseph Engineering College,
Mangaluru

Dear Sir/ Madam,

This is to certify that **Mr Thejas P N(4SO16MCA23)**, MCA Final Year student of **St. Joseph Engineering College**, Mangaluru has successfully completed the project work titled “**Event Management System.**” At Technopulse, Mangaluru as part of his MCA curriculum.

Thanks & Regards



I.A.Muyeenuddin

Managing Director,

Technopulse

Mangaluru

TECHNOPULSE

3rd Floor, City Light Building
Balmatta Road, MANGALORE - 01

A
REPORT ON
INDUSTRIAL VISIT
TO
VIJAYA INDUSTRIES

ON 7th NOVEMBER 2017

BY THE STUDENTS OF Vth SEMESTER OF
DEPARTMENT ELECTRICAL AND ELECTRONICS



Signature

Introduction to Vijaya Industries

Vijaya Industries is situated in Katapady, Udupi District in Karnataka State. Since its incorporation in the year 1972, Vijaya Industries has been successfully catering to the needs of both rural and urban sections in the field of non-conventional energy devices. The company is known for maintaining quality standards and prompt services. The company has started its voyage with manufacturing, installing and servicing of Gobar gas plants in Karnataka and nearby states. The key person Mr. K. SathyendraPai, the owner of company has successfully led the team highly skilled and experienced professionals to ensure that the entire production characterize extreme precision in engineering.

The products manufactured here have been approved by BIS, MNRE IREDA New Delhi and KVIC Mumbai and are ISO 9001: 2000 certified. In addition to this, the Company has participated in various Government Tender and successfully accomplished all the projects. With flawless services and 30 years' experience in manufacturing and supplying of Non-Conventional Energy Products the company has a successful track record of catering needs of rural and urban citizens in the field of non-conventional energy devices.

The company follows strict quality control measures to ensure that the products conform to the International Standards. The Company follows a zero-tolerance policy as far as the quality of the products is concerned.

The Industrial visit was carried out at Vijaya Industries. The main objective behind the visit was to make students aware about rapidly growing world of solar installations, biogas plants

and using solar energy extensively in our day to day lives as Solar energy is freely available and does not pollute the environment.



We left the college premises at around 2:00 PM by local bus to State Bank from where we boarded a bus to Katpady where the Industry was located. It took us around an hour and half to reach the Industry.

As soon as we reached the industry we were guided by Mr. Vinay to the production office where he introduced us about the products manufactured in that particular industry. During the briefing we were given soft drinks as a kind gesture.

Products which we were briefed on:

- **Solar Water Heater**

Solar water heater is designed to give high performance with a long working life. The solar water heating devices manufactured at Vijaya Industries have versatile design features covering a vast range of requirements. Solar heaters starting from small domestic demands like 100LPD to large domestic demand of any capacity. Energy-friendly, eco-friendly and user-friendly water heaters with advanced technology.

Active systems are used generally for Industrial use and passive systems are for domestic use. We were told that the high efficiency solar collector panels are design-optimized to capture maximum useful heat from the sun. The light weight-casing of Aluminum is rigid, tough and completely corrosion proofs, designed to withstand all weather conditions.

The storage tank is also light-weight strong and completely corrosion proof. An inner Tank of the best quality stainless steel ensures clean, uncontaminated hot water and a long working life.

During the day, the system starts heating water and gradually the entire tank is filled with hot water. On a reasonably clear, sunny day, the whole tank should be filled with hot water by 12 noon. At this time some water may be drawn for washing dishes and clothes- if this hot water usage is between the hours of 11 a.m. to 1.00 p.m., the hot water used up will be



replaced by fresh water by 4 p.m. so, that, at the end of the day, your tank is filled with 100 liters of hot water. This hot water will remain hot overnight, and is available for bathing during the early morning of the next day.

- Biogas Plants

Biogas typically refers to a gas produced by the breakdown of organic matter in the absence of oxygen. It is a renewable energy source, like solar and wind energy. Furthermore, Biogas can be produced from regionally available raw materials and recycled waste and is environmentally friendly and CO₂ neutral.

We were told that biogas is produced by the anaerobic digestion or fermentation of biodegradable materials such as manure, sewage, municipal waste, green waste, plant material, and crops. Gobar Gas comprises primarily methane (CH₄) and carbon dioxide (CO₂) and may have small amounts of hydrogen sulphide (H₂S), moisture and siloxanes.

The gases methane, hydrogen, and carbon monoxide (CO) can be combusted or oxidized with oxygen. This energy release allows Gobar Gas to be used as a fuel. Biogas can be used as a fuel in any country for any heating purpose, such as cooking. It can also be used in anaerobic digesters where it is typically used in a gas engine to convert the energy in the gas into electricity and heat. It can be compressed, much like natural gas, and used to power motor vehicles. It is a renewable fuel so it qualifies for renewable energy subsidies in some parts of the world. It can also be cleaned and upgraded to natural gas standards when it becomes bio methane.

Due to time constraints we were just shown the models of the products mentioned below:

- Solar Lightings



- Improved Chulas
- Solar Parabolic Cooker

After the briefing we were introduced to Mr. K. SathyendraPai, the owner and Managing Partner of the company who advised us with ideas for startup projects using solar energy. He specifically emphasized on Solar Chula Challenge. He said "On 25th September 2017, Hon'ble Prime Minister has exhorted ONGC to take up a challenge to work towards making an "efficient electric chulha (stove)", which would enable cooking using the solar power. Inspired by the words of Hon'ble Prime Minister, ONGC is launching a public innovation challenge to seek innovative solutions for development of Solar Chulha."

We students are looking forward to take up this challenge to do research and provide innovative solutions for the development of Solar Chula. We thanked Mr. K. SathyendraPai and Mr. Vinay for briefing us on the manufacturing process of their products. We left the industry premises after clicking a group photo.

We would like to extend our gratitude to our HOD Dr. Sheryl Grace Colaco and Assistant Professor Mr. Deepesh Kanchan for making this Industrial visit a success.

Thank You

Yamen Akhtar Mohammed & Team



Head of the Department
Department of Electrical and Electronics Engineering
St Joseph Engineering College
Mangaluru - 575 028



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
(UG Programme Accredited by National Board of Accreditation)
ST JOSEPH ENGINEERING COLLEGE, VAMANJOOR

**REPORT ON INDUSTRIAL VISIT TO KARAVALI SWITCHGEAR,
BAIKAMPADY**

The Electrical Department of St Joseph Engineering College. organized a oneday Industrial visit to Karavali Switch Gears Pvt. Ltd, Baikampady, on 20th May 2017 for 8th Semester Electrical Engineering students. The aim of the visit was to understand the various processes that are undertaken in the manufacture of control panels and switch gears. This activity also aimed at providing an insight to start up aspirants in the area of LT panel manufacturing

Mr Shrinivas who is an engineer at the industry offered the guidance at the industrial site. Karavali Switch Gears, is a manufacturer of switch gears and control boards in Daksina Kannada. The industry mainly deals with Electrical Control Panels, Distribution Boards and Motor Control Boards.

Knowledge Gained by students:

- After completion of the visit the students have got an idea about;
- Fabrication process of the mechanical structure into which the control panels fit.
- Design of the control panels with regard to the consumer requirement (space availability, cost etc.)
- Appropriate selection of circuit breakers, relays etc as per load requirement.
- Overall assembly of the control panels and its testing.
- Various types of control panels like manual controlled, micro-controller based etc.
- Various steps to be undertaken in setting up an electrical assembly based industry

Mr. Deepesh Kanchan

Coordinator

Mr Sathisha K

HOD – E&E



KPCL

ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತ

KARNATAKA POWER CORPORATION LTD.,
(A premier power generating company of Government of Karnataka)
CIN U85110KA1970SGC001919

ಸಂಖ್ಯೆ:ಎ1 ಎ6 ಎ ಸಿಸಿ:462/2342

ದಿನಾಂಕ: 06.03.2019

The Head of Department,
Department of Electrical & Electronics Engineering
St. Joseph Engineering College,
Vamanjoor Post,
MANGALURU - 575 028.
Phone: 0824-2263753-56 Fax: 0824-2263751

ಮಾನ್ಯರೇ,

ವಿಷಯ: ವಾರಾಹಿ ಯೋಜನಾ ಪ್ರದೇಶವನ್ನು ಸಂದರ್ಶಿಸಲು ಅನುಮತಿ - ಕುರಿತು.
ಉಲ್ಲೇಖ: ನಿಮ್ಮ ಪತ್ರ ಸಂಖ್ಯೆ:----- ದಿನಾಂಕ:28.02.2019.

ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಸಂದರ್ಶಿಸಲು ತಾವು ಬರೆದುಕೊಂಡ ಉಲ್ಲೇಖ ಪತ್ರದಲ್ಲಿ ತಿಳಿಸಿರುವಂತೆ ಮಾನಿಡ್ಯಾಂ ಪವರ್ -ಪ್ಲಾನ್/ಮಾಸ್ತಿಪಟ್ಟಿ ಮತ್ತು ವರಾಹಿ ಭೂಗರ್ಭ ಜಲ ವಿದ್ಯುದಾಗಾರ/ಹೊಸಂಗಡಿ ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ದಿನಾಂಕ:11.03.2019ರಂದು ತಮ್ಮ ಸಂಸ್ಥೆಯ 8ನೇ ಸೆಮಿಸ್ಟರ್ ಎಲೆಕ್ಟ್ರಿಕಲ್ & ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ 49 ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ 04 ಉಪನ್ಯಾಸಕರು/ಸಿಬ್ಬಂದಿ ಸೇರಿ ಒಟ್ಟು 53 ಸದಸ್ಯರಿಗೆ ವೀಕ್ಷಿಸಲು ಈ ಮೂಲಕ ಅನುಮತಿ ನೀಡಲಾಗಿದೆ. [ಭೇಟಿಯ ಸಮಯ: ಬೆಳಿಗ್ಗೆ 9.00 ಘಂಟೆಯಿಂದ 12.00 ಘಂಟೆಯವರೆಗೆ ಮತ್ತು ಮಧ್ಯಾಹ್ನ 2.00 ಘಂಟೆಯಿಂದ 4.30 ಘಂಟೆಯವರೆಗೆ ಮಾತ್ರ - ಶನಿವಾರ ಬೆಳಿಗ್ಗೆ ಮಾತ್ರ].

ಈ ಅನುಮತಿಯು ಕೆಳಗಿನ ನಿಬಂಧನೆಗಳಿಗೆ ಒಳಪಟ್ಟಿರುತ್ತದೆ.

- 1] ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಥರಿಂದ ಪಡೆದಿರುವ ಗುರುತಿನ ಚೀಟಿಯನ್ನು (Identity card) ಹಾಜರು ಪಡಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ. ಗುರುತಿನ ಚೀಟಿ ಇಲ್ಲದಿದ್ದ ಪಕ್ಷದಲ್ಲಿ ಮುಖ್ಯಸ್ಥರಿಂದ ದೃಢೀಕರಿಸಿರುವ ವಿದ್ಯಾರ್ಥಿಗಳ ಮತ್ತು ಉಪನ್ಯಾಸಕರ ಹೆಸರುಗಳ ಪಟ್ಟಿಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಹಾಜರು ಪಡಿಸಲು ಸೂಚಿಸಲಾಗಿದೆ.
- 2] ಪಟ್ಟಿಯಲ್ಲಿರುವವರನ್ನು ಭಾರತೀಯ ಪೌರರೆಂದು ದೃಢೀಕರಿಸಬೇಕು. ಇಲ್ಲದ ಪಕ್ಷದಲ್ಲಿ ಅನುಮತಿಯನ್ನು ನಿರಾಕರಿಸಲಾಗುವುದು. ವಿದೇಶಿಯರಿಗೆ ಯೋಜನಾ ಪ್ರದೇಶಗಳಿಗೆ ಅನುಮತಿ ನೀಡಲಾಗುವುದಿಲ್ಲ.
- 3] ವಿಡಿಯೋ/ವೊಬ್ಲೆಲ್/ಕ್ಯಾಮರಾಗಳನ್ನು ಯೋಜನಾ ಪ್ರದೇಶದ ಒಳಗೆ ತೆಗೆದುಕೊಂಡು ಹೋಗುವುದನ್ನು ಹಾಗೂ ಛಾಯಾಚಿತ್ರಗಳನ್ನು, ಸೆಲ್ಫಿ ತೆಗೆಯುವುದನ್ನು ನಿಷೇಧಿಸಲಾಗಿದೆ.
- 4] ವಿದ್ಯಾರ್ಥಿಗಳು 16ವರ್ಷ ಮೇಲ್ಪಟ್ಟವರಾಗಿದ್ದು ಸಂಸ್ಥೆ/ಕಾಲೇಜು ಮುಖ್ಯಸ್ಥರುಗಳು ಕಡ್ಡಾಯವಾಗಿ ತಂಡದೊಂದಿಗೆ ಇರಬೇಕು. ವಿದ್ಯಾರ್ಥಿಗಳ ರಕ್ಷಣೆಯ ಜವಾಬ್ದಾರಿ ಸಂಸ್ಥೆ/ಕಾಲೇಜಿನ ಮುಖ್ಯಸ್ಥರುಗಳಿಗೆ ಸೇರಿರುತ್ತದೆ.
- 5] ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ಆಹಾರ ಸ್ವೀಕರಿಸುವುದು, ಮನೋರಂಜನೆ ಮತ್ತು ಖಾಸಗಿ ವಾಹನಗಳಿಗೆ ಅವಕಾಶವಿರುವುದಿಲ್ಲ.
- 6] ಯೋಜನಾ ಪ್ರದೇಶದಲ್ಲಿ ನಿಗಮದ ಯಾವುದೇ ಆಸ್ತಿ-ಪಾಸ್ತಿಗೆ ಹಾನಿ ಉಂಟುಮಾಡುವಂತಿಲ್ಲ. ಒಂದು ವೇಳೆ ಪ್ರಾಣಿ ಹಾನಿ ಮತ್ತು ಯಾವುದೇ ಅಹಿತಕರ ಘಟನೆಗಳು ಸಂಭವಿಸಿದಲ್ಲಿ ಈ ಘಟನೆಗಳಿಗೆ ಸಂಸ್ಥೆಯ/ಕಾಲೇಜಿನ ಮುಖ್ಯಸ್ಥರು ಸಂಪೂರ್ಣ ಜವಾಬ್ದಾರಾಗಿರುತ್ತೇವೆಂದು ಹಾಗೂ ನಿಗಮದ ಆಸ್ತಿ-ಪಾಸ್ತಿಗೆ ಧಕ್ಕೆ ಉಂಟು ಮಾಡಿದಲ್ಲಿ ಸಂಪೂರ್ಣ ವೆಚ್ಚವನ್ನು ಭರಿಸಿ ಕೊಡಲಾಗುವುದೆಂದು ಪ್ರಮಾಣ ಪತ್ರದ ಮುಚ್ಚಳಕೆಯನ್ನು ಭೇಟಿ ನೀಡುವ ಸಂದರ್ಭದಲ್ಲಿ ಯೋಜನಾ ಪ್ರದೇಶದ ಮುಖ್ಯಸ್ಥರುಗಳಿಗೆ ಕಡ್ಡಾಯವಾಗಿ ನೀಡತಕ್ಕದ್ದು. ನಿಗಮ ಯಾವುದೇ ರೀತಿಯಲ್ಲಿ ಜವಾಬ್ದಾರಿಯನ್ನು ಹೊಂದಿರುವುದಿಲ್ಲ.

ತಾವುಗಳು ಯೋಜನಾ ಪ್ರದೇಶಗಳನ್ನು ಪ್ರವೇಶಿಸಿದ ನಂತರ ಭೇಟಿಯ ವ್ಯವಸ್ಥೆಗಾಗಿ ಕಾರ್ಯನಿರ್ವಾಹಕ ನಿರ್ದೇಶಕರು (ಹೈಡಲ್)ವರಾಹಿ, ಕೆಪಿಸಿಎಲ್, ಹೊಸಂಗಡಿ-576 282, ಉಡುಪಿ ಜಿಲ್ಲೆ ದೂರವಾಣಿ ಸಂಖ್ಯೆ: 08259-288242 ಇವರನ್ನು ಸಂಪರ್ಕಿಸುವುದು.

ವಂದನೆಗಳೊಂದಿಗೆ,

[Handwritten Signature]

[Handwritten Initials]

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ನಿಗಮ ನಿಯಮಿತದ ಪರವಾಗಿ.

[Handwritten Signature]

ಉಪ ಪ್ರಧಾನ ಪ್ರಬಂಧಕರು (ಕಾರ್ಪೊರೇಟ್ ಕಮ್ಯುನಿಕೇಷನ್)

KARNATAKA POWER

Phone No (O): 0824-2211342
Fax : 0824-2217597
E-mail: seetlss@rediffmail.com
seetlss@gmail.com



Office of the
Superintending Engineer (Elect.)
Transmission (W&M) Circle,
Maroli, Kulshekara Post,
MANGALORE-575 005

No: SE(E)/MNG/EE(O)/SPA/2017-18/ 5191-92
Encl: 3 sheets

Dated:

15 MAR 2018

The Executive Engineer (Elect.),
TL & SS Division,
KPTCL, Kavoor,
MANGALORE - 575 015.


Sir,

Sub:	Permission for students of 4 th Semester B.E. Electrical & Electronics Dept. of St. Joseph Engg. College, Mangalore to visit 220 KV SRS Kavoor Station, Mangalore.
Ref:	1) Letter No. CEE/TZH/SEE(O)/AEE-3/2014-15/7510 dtd. 15.09.2014 of CEE, Tr. Zone, KPTCL, Hassan. 2) Letter dated 05-03-2018 of Principal & Incharge HOD, St. Joseph Engg. College, Vamanjoor, Mangalore

In accordance with the letter cited under reference (1) of the Chief Engineer (Electy.), Tr. Zone, KPTCL, Hassan, approval is hereby accorded for 65 No. students (list enclosed) of 4th Semester B.E. Electrical & Electronics Dept. of St. Joseph Engg. College, Vamanjoor, Mangalore along with staff member of their institution to visit 220 KV SRS Kavoor R/s, Mangalore as a part of their academic curriculum. The date and time of visit & the no. of students including in each batch of the concerned institution shall be intimated at your end.

Due care with respect to security and safety shall be taken during their visit and the visit shall be carried out under the proper supervision of concerned Officers of the station.

Yours faithfully,


Superintending Engineer (Elect.),
Transmission (W&M) Circle, K.P.T.C.L.,
MANGALORE.

To
W
R
12/03/18

Copy for information to:

- 1) The Principal & Incharge HOD, Dept. of Electrical & Electronics Engineering, St. Joseph Engineering College, Vamanjoor, Mangalore.
- 2) R&R to SPA/mf.

84

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Phone No (O): 0824-2211342 Fax : 0824-2217597 E-mail: seetlss@rediffmail.com seetlss@gmail.com		Office of the Superintending Engineer (Elect.) Transmission (W&M) Circle, Maroll, Kulshekara Post, MANGALORE-575 005
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No: SE(E)/MNG/EE(O)/SPA/2016-17/2101-02
Encl: 2

Dated:

7 OCT 2016

The Executive Engineer (Elect.),
TL & SS Division,
KPTCL, Kavoor,
MANGALORE - 575 015.

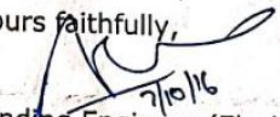
Sir,

Sub:	Permission for students of 5 th Semester B.E. Electrical & Electronics Dept. of St. Joseph Engg. College, Mangalore to visit 220 KV SRS Kavoor Station, Mangalore.
Ref:	1) Letter No. CEE/TZH/SEE(O)/AEE-3/2014-15/7510 dtd. 15.09.2014 of CEE, Tr. Zone, KPTCL, Hassan. 2) Letter dated 26.09.2016.

In accordance with the letter cited under reference (1) of the Chief Engineer (Electy.), Tr. Zone, KPTCL, Hassan, approval is hereby accorded for 49 No. students (list enclosed) of 5th Semester B.E. Electrical & Electronics Dept. of St. Joseph Engg. College, Vamanjoor, Mangalore along with staff member of their institution to visit 220 KV SRS Kavoor R/s, Mangalore as a part of their academic curriculum. The date and time of visit of the concerned institution shall be intimated at your end.

Due care with respect to security and safety shall be taken during their visit and the visit shall be carried out under the proper supervision of concerned Officers of the station.

Yours faithfully,


7/10/16
Superintending Engineer (Elect.),
Transmission (W&M) Circle, K.P.T.C.L.,
MANGALORE.

Copy for information to:

- 1) The Professor & Head, Dept. of Electrical & Electronics Engineering, St. Joseph Engineering College, Vamanjoor, Mangalore.
- 2) R&R to SPA/mf.

(84)

Industrial visit.

Department of Electronics and Communication Engineering

St. Joseph Engineering College, Vamanjoor

REPORT ON INDUSTRIAL VISIT

ATC AND RADAR SECTION

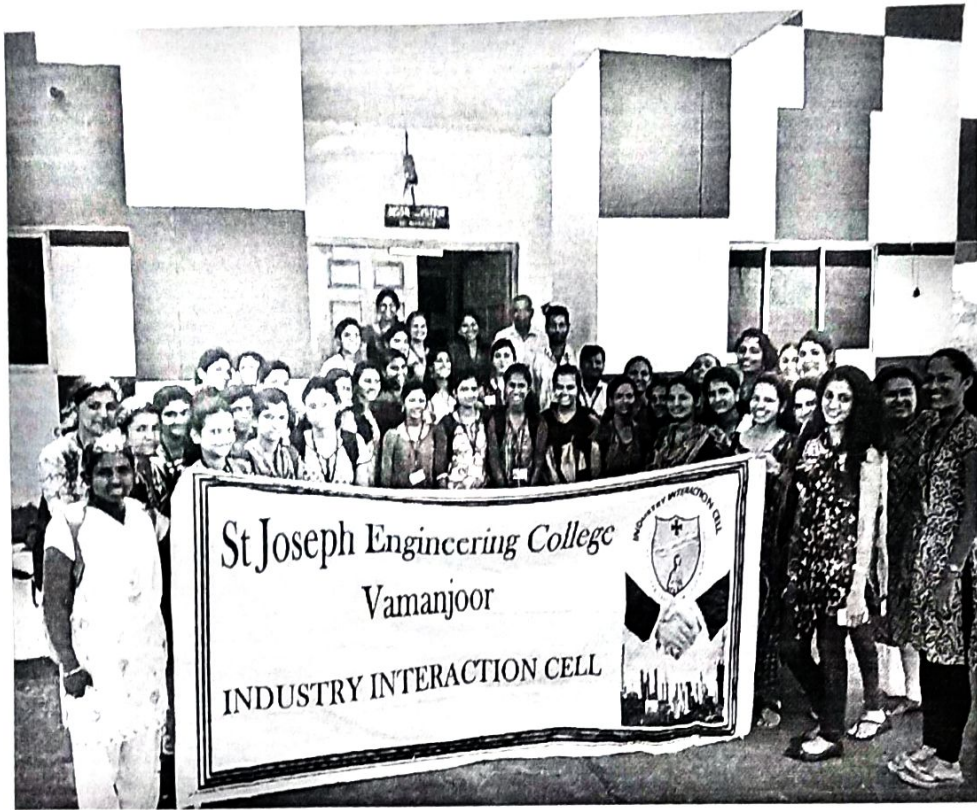
It is possible to produce excellent engineers only when the pupils are explored to the practical situations. To enhance the practical knowledge, on Microwaves and RADAR, an Institute Industry Interactive Development cell of EC Dept. SJEC had organised an Industrial visit to International Airport Mangaluru and related premises such as AIR TRAFFIC SERVICE and the RADAR section for 3rd Year B.E, E&C students on 23rd and 24th of November 2016. This visit was arranged as an activity supporting the subject Microwaves and Radar in the 5th semester curriculum.

Students assembled at college premises at 9AM. After taking attendance, students were taken to the airport premises by college bus. The Coordinating staffs, Ms.Aryashri and Ms.Padmini Bhat accompanied students to help them in understanding the concept related to RADAR.

The bus reached airport by 10AM, from where, the former airport director Mr. M.R.Vasudeva joined us to the RADAR section. Group was divided into 3 subgroups and each group was taken to see the real time RADAR, the generator section from where the RADAR gets power and the control section. The Power section had multiple generators. Technicians of that section explained regarding the power delivered to the RADAR, when there is no main supply. In control unit, the chief in charge Ms.Ramya, E&E Engineer showed the position and direction of the aircraft being monitored from the ground. Students were given an insight of the features of RADAR and the Optical Fibre cables that are used to communicate between the airport and RADAR section. Then, Mr.Vasudeva lead the students to Air Traffic Control unit. Here, students were then taken to the recording section where amplifiers and filters were arranged. They were shown the activity of cockpit being recorded in terms of bits and also to the main control room. In-charge of the section explained about the air traffic control from the ground. Students were glad to see the real time application when a pilot contacted the control unit for assistance. They helped the students to understand and gain more information about real time working.

The visit ended fruitfully as budding engineers got an opportunity to learn about the real time working of RADAR and AIR TRAFFIC CONTROL. The bus was back to the college campus at 2PM.


25/11/16







ST JOSEPH ENGINEERING COLLEGE

Affiliated to Visvesvaraya Technological University and recognised by All India Council for Technical Education

ಸಂತ ಜೋಸೆಫ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ

Date: 23.12.2015

To,
The Head – Human Resource
BASF India Ltd
Mangalore

Dear Sir,

Sub: Request for Internship Training

Greetings from St Joseph Engineering College, Mangalore

We bring to your kind information that the following student of B.E (Mechanical Engineering) is interested to undergo an internship training programme at your esteemed organization during the month of January 2016.

SI No	USN No	Name
1	4SO13ME098	Rolin Antony D'Souza

We request you to consider the above name and we hope you will provide him an opportunity to acquire knowledge and learning experience in your esteemed organization.

Thanking you

Yours Sincerely,

Sangeeta

Sangeeta Ferrao
Placement Officer

Scedli
26.2.2020

PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
ST. JOSEPH ENGINEERING COLLEGE
MANGALORE

Vamanjoor Post, Mangalore 575 028, Karnataka, South India. Email : sjec@sjec.ac.in URL : www.sjec.ac.in
Tel : (Office) 2263753 (4 lines) (Director) : 2263758 (Principal) : 2263732 Fax : 91-824-2263751



ST JOSEPH ENGINEERING COLLEGE

Vijay V S <vijayv@sjec.ac.in>

Industrial visit - Confirmation

Team_HR@tvsmotor.co.in <Team_HR@tvsmotor.co.in>

To: vijayv@sjec.ac.in

Fri, Mar 3, 2017 at 9:30 AM

Cc: Industrial.visit@tvsmotor.com

Dear Sir / Madam,

Greetings !

This has reference to your request mail seeking permission for industrial visit to TVS Motor Company, Hosur plant.

We are glad to permit industrial visit for your students on March 28,2017.

Please note, a maximum of 50 students with 2 faculty shall be permitted.

Please confirm back to us if it is okay, in a day or two along with duly filled Industrial visit profile which is attached.

On receipt of the above, we will be able to the send visit timings and other guidelines for the visit.

Thanks and Regards,

Shyam Kumar P,

Industrial Visit Coordinator

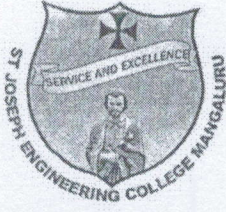
Contact Mail id : Industrial.visit@tvsmotor.com

Ph : +91 (4344) 276780, Extn: 3613

Note: This is a system generated mail, please don't reply to this message.

 IV Profile.pdf
122K

Sudhakar
26-02-2020
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
ST. JOSEPH ENGINEERING COLLEGE
VAMANJOOR, MANGALORE - 575 028



ST JOSEPH ENGINEERING COLLEGE

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ಸಂತ ಜೋಸೆಫ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ

Date: 01.03.2017

To,

Shyam Kumar P
Industrial Visit Coordinator,
TVS Motor Company Ltd.,
Hosur

Dear Sir,

Sub: Seeking permission to visit your esteemed industry – reg

As per the directions of SAEINDIA Bangalore section, SAEINDIA SJEC Collegiate club is planning for one day industrial visit of student members to your esteemed organization. A total of 50 student members and 3 faculty members will be visiting your company.

Our students are waiting with anticipation to visit TVS, one of premium industry in two wheeler manufacturing which is delivering world class products. This visit will definitely benefit of our students to get real life experience of industry and provides opportunity to know the latest developments in two wheeler manufacturing. In this regard, I kindly request you to grant permission for one day industrial visit on March 28th 2017 to your campus.

Yours Sincerely,

Sudheer M
03.01.17
Dr Sudheer M
HOD- ME



Sudheer M
26.02.2020
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
ST. JOSEPH ENGINEERING COLLEGE
VAMANJOOR, MANGALORE - 575 028

Industrial Visit to VSSC Thumba And Start Up Village Cochin

On 21st January 2014, in an Industrial visit organized by EC department of SJEC, the students were taken to VSSC (Vikram Sarabhai Space Center) at Thumba, Thiruvananthapuram. The place was named after Sir. Vikram Sarabhai who was the reason for the 1st space program in India. We reached the space center at 10:30 am and were taken to Thumba Equatorial Rocket Launching Station-Control Center at 11:20 am.

The 2 stage Rocket named RH-200 (Rohini-200) weighing around 108kg was launched exactly at 11:45 am from the Rocket Launching Station-Control center. It was launched for meteorological study purpose.

After the launch a few students and staff were allowed into control room where the Control room In charge explained about the entire process of the launch and precautions to be taken prior to the launch. He also gave us brief idea how meteorological analysis was conducted. His explanation also included the use of radars for the operations.

At 12:30 pm we visited the space centre museum where we learnt about the History of ISRO, Its various Space missions, Launch Vehicles and links with other countries. Their inputs included the various projects they have undertaken and the projects they will be undertaking in future. We got an opportunity to see some parts of rockets which also included some models. We were also shown a video on the various programs that ISRO has undertaken so far.

Towards the end they told us about various opportunities which we as engineers can grab in ISRO.

On 23rd January, we were taken to a technology business incubator named Startup Village in Kinfra High Tech Park, Kalamassery, Kochi. The morning session was led by Mr. Paul, who spoke about how Startup village helps out budding entrepreneurs by providing them a workspace and funding. Along with the Kerala government, they launched an initiative called SV square in Jan 2013. Entrepreneurs from India are sent to US for exposure and a chance to learn in the Silicon Valley. He also shared his experiences in Startup Village, how it helped him to develop a food app named food tree and the various other privileges extended by them.

The second half of the session was continued by Mr. Ravi Kumar Venkat, part of a startup, Asimov Robotics. A presentation was also presented which highlighted the key features of Asimov.

After a quick lunch, we returned to the Startup Village at 3 and were led to 5K (5000 sqft) building where different offices of Startup lay. Startup Village has supported more than 500 Startups, some of them being Wowmakers, Backbench Studios, Sastra Robotics, Asimov Robotics, Verbicio and we had the privilege of visiting a few of them.


Our first visit was to bagyourjob.com, a website which provides a smooth to find jobs. Mr. Kris Gopalakrishnan, co-founder of Infosys was their mentor. They gave a brief introduction about their website and how it differs from other job portals.

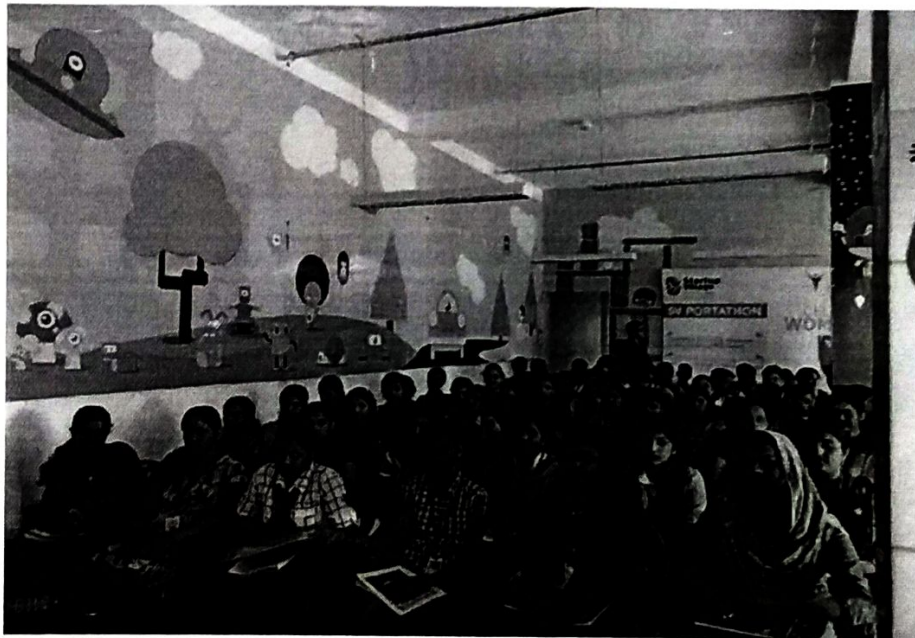
We then visited Asimov Robotics, to which an introduction had already been given in the morning session. They showed us a prototype robot, still being researched, which had the independent capability of moving in any direction. They also talked to us about the work atmosphere in Startup Village and gave an interesting demo of a robot dog named Genebo which had a few inbuilt voice recognition commands.

Next, we were taken to CIED Technologies, a startup company powered by ideas of college students, co-founded by Akash Matthew and Jim George. They handle a lot of hardware and software projects and have designed few apps of their own like Elop, Cuboh etc. The co-founder, Mr. Akash Matthew spoke more about Elop, explaining his journey in developing that app and how it differed from other apps in the same genre. He also gave us a few words of encouragement and motivated us to take up challenges and turn them into something productive.

Sastra Robotics was our last stop in the Starup Village. Sastra Robotics India Pvt. Ltd. is a technology and robotics company. They showed us the model of an experimenting manipulator designed for a touch screen. They also spoke about the various other products and services offered by them.

To conclude, it was a new and eye-opening experience for all of the students. More exposure to the various options for students and a little more information on entrepreneurship and company environment


5/2/2014 (Prasad.S.M)





ST JOSEPH ENGINEERING COLLEGE

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ಸಂತ ಜೋಸೆಫ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ

Date: 01.02.16

To,
The Manager
Kanchan Honda
Mangalore

Dear Sir,

Sub: Request for Internship Training

Greetings from St Joseph Engineering College, Mangalore

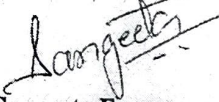
We bring to your kind information that the following student of B.E (Mechanical Engineering) is interested to undergo an internship training program at your esteemed organization for a period of three months from 2nd February 2016 to 30th April 2016.

SI No	USN No	Name
1	4SO14ME737	Rithesh Akshay Gonsalves

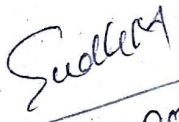
We request you to consider the above name and we hope you will provide him an opportunity to acquire knowledge and learning experience in your esteemed organization.

Thanking you

Yours Sincerely,


Sangeeta Ferrao
Placement Officer




26.2.2020
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
ST. JOSEPH ENGINEERING COLLEGE
VAMANJOOR, MANGALORE - 575 028



ST JOSEPH ENGINEERING COLLEGE

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ಸಂತ ಜೋಸೆಫ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ

Date: 11.12.15

To,
The Human Resource Manager
Karnataka Agencies
Mangalore

Dear Sir,

Sub: Request for Internship Training

Greetings from St Joseph Engineering College, Mangalore

We bring to your kind information that the following student of 5th Semester B.E (Mechanical Engineering) is interested to undergo an internship training program at your esteemed organization during the month of January 2016.

SI No	USN No	Name
1	4SO13ME012	Allen Joel Fernandes

We request you to consider the above name and we hope you will provide him an opportunity to acquire knowledge and learning experience in your esteemed organization.

Our college is indebted to you for the support and the encouragement for these past years.

Thanking you

Yours Sincerely,

Sangeeta
Sangeeta Ferrao
Placement Officer

Sudhakar
26.2.2020

Allen
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
ST. JOSEPH ENGINEERING COLLEGE
VAMANJOOR, MANGALORE - 575 028

Vamanjoor Post, Mangalore - 575 028, Karnataka India. Email : sjec@sjec.ac.in URL : www.sjec.ac.in
Tel : (Office) 2263753 (4 lines) (Director) : 2263758 (Principal) : 2263732 Fax : 91-824-2263751

Industrial Visit to MCF

The Industry Institute Interaction Cell (IIIC) & Entrepreneurship Development Cell (EDC) of the Department of Electronics and Communication Engineering organized an Industrial visit to Mangalore Chemicals & Fertilizers Limited (MCF) for third year BE students as an activity supporting Management & Entrepreneurship studies in the V Semester.

The visits were organized on 16 and 23 September 2014 from 10:00 am to 1:00 pm. Students were taken to the Learning & Development Department (L&D) where a talk was initiated by Mr Rajnikanth, Head L&D, through a short film, Suraksha, which provided a briefing about the working of the fertilizer plant, its production and safety measures. Information was also given about the importance of NMPT and MCF's reputation as a company with 'zero effluent discharge'. Programs undertaken by MCF such as safety in nearby villages, uplifting the cultural heritage of the state and privileges provided to employees were also highlighted.

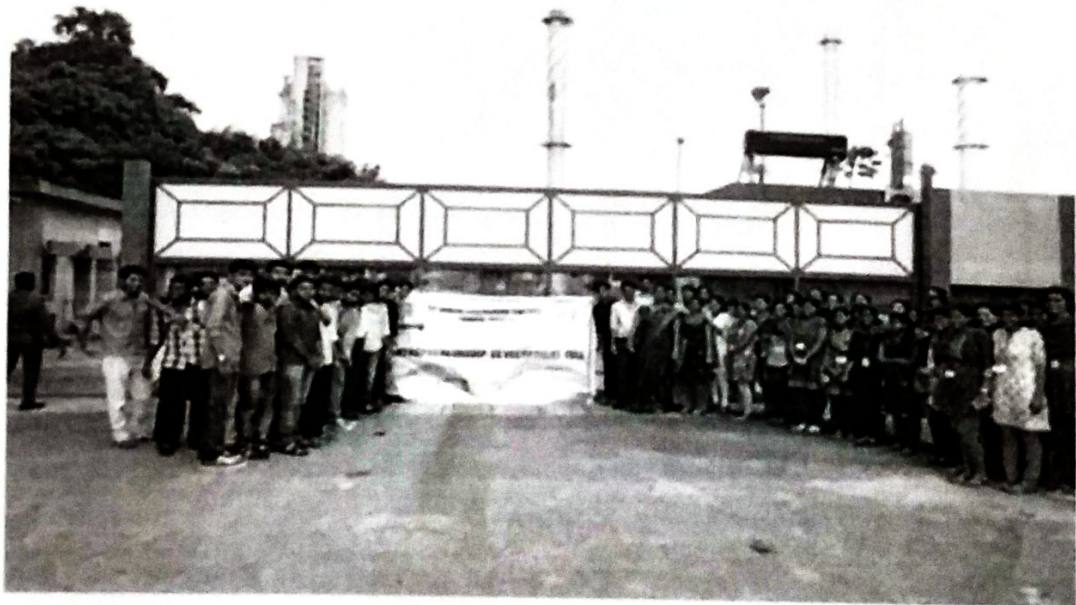
After a short break, the talk was continued by Mr Suresh, Senior Manager HR, who spoke about the structure of organization in the company. He provided insight about various departments and their functions, levels of HR management, and importance of the HR department. He also spoke about company recruitment and employee relations. He elaborated on the functions of each and every sub department and the tactics involved in handling the employees and optimizing the human resources of the company.

Following this, Mr Sharma, General Manager, and Mr Amol Kadam, Deputy Manager, Materials Department, presented a PPT giving statistical details the raw materials, expenditure, import quantity, vendor information, and functions of the material department, market standings as also the annual budget. The software integration of ERP and SAP employed to monitor the surroundings and the inside of the company and ensure proper working of various factory machines was also dealt with.

The half-day sessions on both visits were concluded by Mr Rajnikanth, who also cleared doubts and answered questions raised by students. Mr Claran, Ms Andrea, and Ms Rhea Fernandes, gave feedback on the event. Mrs Padmini Bhat and Mrs Jennifer C Saldanha, Assistant Professors, E&C, coordinated the event.

Reported by Padmini Bhat

PB
24/9/14



St Joseph Engineering College
Mangaluru-575028

MOU No: SJEC/CO/MoU/2019/17

MOU Metadata Sheet

1. Collaborator:	St Philomena College, Puttur	
2. Prime Purpose:	The main purpose of this MoU is to develop mutual agreements for cooperation based on their respective academic, scientific and research needs.	
3. MOU Type:	Research and Joint Programs	
4. Date of Signing:	16-11-2019	
5. Signitaries:	Director of SJEC and Chairman of PG studies of SPC	
6. Date of Expiry:	15-11-2024	
7. Notice Period:	One month	
8. Anchoring Department:	Department of Mathematics	
9. Contact Person:	Dr Ramananda H.S.	
10. Departments for Collaboration:		
Name of the Department	Role/Scope	Coordinators
Mathematics	Coordinating the offering like Coordinating with St Philomena College to explore mutual research interests and Joint Programs	Dr Ramananda H.S.
11. Reporting Requirements:	Annual report is to be submitted	
12. Special Terms & Conditions:	This agreement will remain in effect for an initial period of five years and will be auto-renewed for further period of equal time, if not amended or cancel by either party.	

[Signature]

Ramananda H.S.

Collaborations Officer

Faculty Coordinator

[Signature]
28/11/19

[Signature]

Principal

Director



MEMORANDUM OF UNDERSTANDING
between
Centre for PG Studies and Research,
St Philomena College Puttur
And
St Joseph Engineering College, Vamanjoor

Preamble

Centre for PG Studies and Research, St Philomena College, Darbe, Puttur, Karnataka 574202, represented by its, Chairman **Rev. Dr. Antony Prakash Monteiro** and **St Joseph Engineering College, Vamanjoor, Mangalore 575 028, Karnataka,** represented by its **Director, Rev. Fr. Wilfred Prakash D'Souza,** agree to cooperate in regard to programs based on the principle of reciprocity. St Philomena College and St Joseph Engineering College are referred to individually as a "party" and collectively as "parties".

This Memorandum of Understanding serves as a legal document for both parties to establish and develop their bilateral relationship. The agreement will also help in expanding their academic spectrum in terms of increased opportunities in research, and enhancement of educational processes at both institutions.

Objectives of the Agreement

1. Both parties will work together to develop mutual agreements for cooperation based on their respective academic, scientific and research needs. The activities in which specific agreements may be developed include:
 - a) Developing collaborative research and educational programs;
 - b) Exchanging of professional development programs for students, staff and faculty;
 - c) Conducting seminars and workshops;
 - d) Sharing new technologies and new methods of management through extension programs;
 - e) Seeking funding opportunities for joint activities that provide mutual benefit to each institution's teaching and research programs;
 - f) Co-organizing joint conferences and workshops as well as training programs; and
 - g) Other cooperative activities as appropriate.
2. Both parties jointly agree to develop and establish provisions for program implementation that will serve the mutual interests of each institution.

3. It is understood that the details of joint activities, conditions for utilization of results achieved, and other forms of cooperation will be negotiated for each specific type of activity.

It is also understood that financial arrangements will be negotiated in each specific type of activity and will depend upon the availability of funds. Each party agrees to seek financial resources for supporting the exchange and collaboration. The contract and exchanges between the two parties shall be on the basis of friendship and mutual assistance.

The related work done at Centre for PG Studies and Research, St Philomena College Puttur, will be under the jurisdiction of its Chairman and supervised and managed by the Collaboration officer. The program at St Joseph Engineering College will be under the jurisdiction of its Director and managed by the Collaboration officer.

Terms of Understanding

This understanding is effective from the date of the last signature hereto and will remain in effect for an initial period of five years and will be auto-renewed for further periods of equal time, if not amended or canceled by either party. The agreement can be terminated by either institution by giving a six-month notice to the other party. The projects or work started before the termination would come to its logical end without any negative impact to either party and will be amicably agreed upon by both parties.

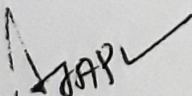
The activities under this understanding will be reviewed on an annual basis as mutually agreed and plans for future activities will be developed each year immediately following the review.

Signatures

The parties hereto, through the duly authorized representatives, hereby agree to the provisions and terms of this collaborative agreement.

For St Philomena College
Rev. Dr. Antony Prakash Monteiro
Chairman of PG Studies

For St Joseph Engineering College
Rev. Fr Wilfred Prakash D'Souza
Director


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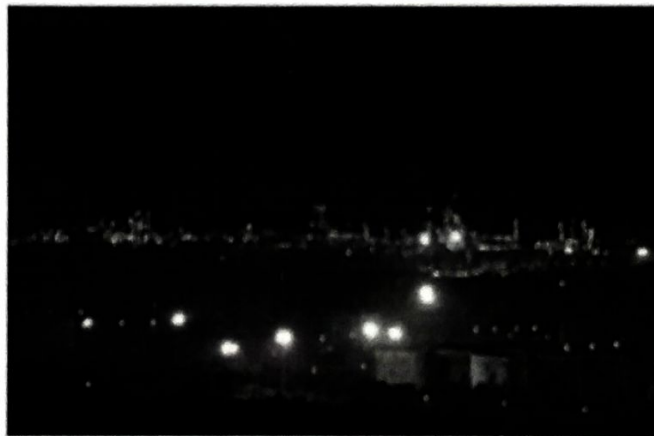
Date: 16.11.2019

Date: 16.11.2019
DIRECTOR
ST JOSEPH ENGINEERING COLLEGE
MANJOOR, MANGALORE -
KARNATAKA, INDIA

CHAIRMAN

Centre for Post Graduate Studies & Research
St. Philomena College,
Darbe, PUTTUR (D.K.)

Report on Industrial Visit to Mangalore Refinery and Petrochemicals Limited



Mangalore Refinery and Petrochemicals Limited (MRPL) a major industrial establishment in Karnataka. MRPL is subsidiary of Oil and Natural Gas Corporation (ONGC).MRPL is involved in refining and marketing of petroleum products. Refinery has the crude oil processing capacity of 15.0 MMTPA. Automobile fuels, cooking gas, aviation fuel and petrochemical products are produced in MRPL. Liquefied Natural Gas (LPG), Petrol, Diesel, Aviation Turbine Fuel (ATF), Kerosene, Polypropylene, Petroleum coke and Sulphur are the important products of MRPL. MRPL has adopted most advanced technology for refining the crude oil. The technology adopted by MRPL most environmental friendly.

The St. Joseph Engineering college faculties of Electronics and Communication Department visited MRPL on 11.01.2017. The objective of visit was to understand the functioning of MRPL with a special emphasis on advanced technology adopted for process control. Electronics and Communication technology has helped in safe and optimization of the refinery operation.

Instrumentation maintenance department is taking care of all the process control systems of the refinery. DCS and PLC are widely used in refinery. There are two state of the art central control rooms in refinery separately provided for Phase-I&II and Phase-III refinery.

Sri Ganesh Bhat Senior Manager (Instruments) made a detailed presentation on the instrumentation infrastructure available in the refinery. The details on the various control systems like Valves, temperature, pressure, level and flow were explained. The technology of PLC and DCS was explained in detail. Sri Ganesh Bhat also explained how advancements in electronics and communication engineering have helped in safe and efficient operation of the process units.

After the presentation there was site round of Phase-I,II & III refinery process units. The central control room of Phase-III refinery was visited, where an engineer who was monitoring the process units through DCS explained the details of plant operation using DCS. Satellite Rack Room (SRR) attached to central control room was also visited.



Reported by

Vijayalaxmi H M



**Department of Electronics & Communication Engineering
St Joseph Engineering College, Vamanjoor
Academic Year 2016-17**

**Report
Workshop on virtual laboratory
January 9-10, 2017**

Inauguration of two days workshop on virtual laboratory conducted by the ECE department was held on Jan 9, 2017 at 9.30 AM in the DSP lab. Dr Pruthviraj U, Assistant Professor, Department of Applied Mechanics & Hydraulics, NITK Surathkal, was the Chief Guest. There were 34 internal participants.



Session 1

9/1/2017 Morning

A demonstration on aerial vehicles was held at the college playground. Two models were demonstrated by Dr Pruthviraj and his team consisting of Mr Aquib A Nadaf, Mr Sourabh Kamath and Mr Sanketh J who are B.Tech students at NITK. One of the models shown had a camera attached to it through which they demonstrated how a picture or a video could be captured. Mr Sourabh Kamath demonstrated his project which was based on controlling robots through brain signals.

After the demonstration there was a session on "Introduction to Virtual Laboratory" by Dr Pruthviraj wherein he explained the use of virtual lab in the reconstruction of heritage places,

conservation of wildlife, surveying of lands etc. He also gave an insight about the remote triggered lab. It was interesting to know that open source software was used in almost all the projects.



Session 2

9/1/2017 Afternoon

Dr Gangadharan K V, Professor & Head, Department of Mechanical Engineering, NITK Surathkal was the speaker for this session. He highlighted about experimental learning and how branchless engineering can be used for developing useful projects. He also briefed about virtual lab and remote triggered lab.



Session 3

10/1/2017 Morning

Dr Mohit P Tahiliani, Assistant Professor, Department of Computer Science & Engineering, NITK Surathkal, was the speaker for the session. He spoke about "Open source wireless network Experimentation" in which he highlighted upon the need for Virtual Lab. He explained about ns-2, ns-3 and other network simulators. There was also a brief hands-on session on ns-2. He also introduced the participants to two useful remote triggered wireless labs i.e., ORBIT (Open-Access Research Testbed for Next-Generation Wireless Networks) and PhantomNet Mobile Networking Testbed.

The session ended with the valedictory function which was presided over by Rev. Fr Rohit D'Costa, Assistant Director, SJEC, and the Chief Guest for the function was Dr Mohit P Tahiliani. Certificates were distributed to the participants.



Session 4

10/1/2017 Afternoon

In this session the participants visited the Virtual Lab facility at NITK, Surathkal. Experiments in the virtual lab were explained and demonstrated by the research scholars of the lab. The concept behind 3-D printing was also explained.

Overall the workshop was useful to the faculty members as it gave an insight to the kind of projects and simulations that could be carried out having societal applications.

Coordinator

Ms Chaitra U R, Assistant Professor

Organizing Committee Members

Mr Mahesha Y, Assistant Professor

Ms Sadhika Shetty, Assistant Professor

Reported by Chaitra. U.R

Chaitra U.R

11/1/2017