



# Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes\*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University  
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR



JYOTHI HILLS, VETTIKATHIRIP O, CHERUTHURUTHY, TRISSUR, PIN-679531 PH. +91-4884-259000 214423 FAX. 04884-214111  
NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic year 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

JEC/2/A/8/21

24 March 2021

## ORDER

### Financial Assistance Policy for Research & Publications

(Version 2)

The Jyothi Engineering College, Cheruthuruthy (JECC) aims to improve overall research performance and promote research activities undertaken by various Departments/ Faculty Members. For this purpose, the Institute has introduced Research Incentive Scheme (RIS) to the Faculty Members. RIS is a means to assist with research activities and reward staff for successful publication or presentation of research outputs.

#### Objective:

To give a special thrust to the research culture in JECC, and thus ameliorate the profile of the Institute in the Country.

#### Research Incentive Scheme (RIS)

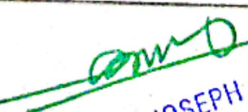
- The Faculty who are receiving any Research Allowance or Fellowship are not eligible for RIS.
- The Quality Publications (SCIE/ SCOPUS Indexed Journals, Conferences) only will be considered.
- The publication which is a part of Ph.D. programme (with Ph.D. Supervisor as Co-author) will not be considered.
- Publications with Jyothi Engineering College Affiliation will only be considered.

The details of the incentives are as follows:

#### I. Journal Publications

- Publication Cited in Thompson Reuters (SCIE) : Rs. 7000/- paper
- Publication Cited in Scopus : Rs. 3000/- paper

Sl. No.	Criteria	Weightage
1	Single Author Publication	100%
2	If First and Corresponding Authors are Faculty Members	50% each
3	If more than Two Authors	The First and Corresponding Author share 70%. Others 30 %

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531



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JYOTHI HILLS, VETIKATTUR P.O., CHERUTHURUTHY, TRICHUR, PIN-679553. PH: +91-4884-259000, 274423 FAX: 04884-274277

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022

-2-

## II. Conference Publications

### i. Conferences with SCIE/SCOPUS Indexed proceedings:

- Registration fee can be reimbursed up to 50% with the maximum cap of Rs. 2,000/-.  
The weightage for the Authorship will be considered as per the above Table in Section I.
- Duty leave will be provided.
- TA/DA assistance can be provided on a case-by-case basis, on the request of the concerned person to the Management.

### ii. Conferences with published proceedings with reputed publishing houses like IEEE, ACM, Springer, Elsevier, etc. (or equivalent)

- Duty leave will be provided.

## III. Patents

- Granted with Institute as one of the Inventors/Assignee : Max. 20000/-
- Granted with Institute Affiliation : Max. 5000/-
- If more than one Inventor, incentives will be equally divided.

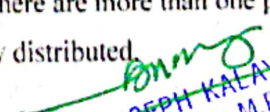
Management will take necessary decision on a case-by-case basis.

## IV. Funded Projects

Incentive will be paid to the team of Investigators of research projects with external funding in an amount equal to 5% from institutional overhead. This incentive will be paid in two parts – 3% after receipt of the 70% of the project amount and the other 2% on completion of the project and receipt of the balance amount of the project. The incentive amount is divided equally among all the Investigators.

## V. Consultancy Projects

- If there is a substantial contribution by the Faculty Member and the Staff in the consultancy project and no resources of the College (like laboratory, computer, software etc.) utilized, the members involved in the consultancy project will take 80% of the total net amount so received by the Institution and 20% will go to the College. If there are more than one person involved in the consultancy project, the amount will be equally distributed.

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
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A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR


JYOTHI HILLS, VETTRATTIP P.O. CHERUTHURUTHY, THRISSUR, PIN 675511 PH: 091 4884 259500 274423 FAX: 04884 274777


NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2018-2022. NBA accredited B.Tech Programmes in Civil Engineering valid for the academic years 2019-2022.

- If the resource of the College such as laboratory facilities, computing facilities, drafting or any other facilities have been utilized in the consultancy project, the share of the College will be 70% of the net amount received from the consultancy work and 30% will go to the Faculty and other Staff involved in the work.

**NOTE:**

- The RIS facility is limited to only three activities in a financial year.
- Recommendations are made through the respective HOD and the final decision is taken by the Management in consultation with Director of Research and Principal.

  
Fr. ROY VADAKKAN  
Secretary & Assistant Manager

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

To  
The Director (Research), JECC

- Copy to :
1. The Principal
  2. The DA
  3. The ADM/ AAs
  4. All HODs
  5. The CIO
  6. File



# Jyothi Engineering College

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University  
NAAC Accredited college with BTE Accredited programmes  
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE APJABUL KALAM TECHNICAL UNIVERSITY  
JYOTHI HILLS, VESTRAKATTI P.O., CHERUTHURUTHY, THIRUVARUR DISTRICT PIN 626001. TEL: 4884-259000, 274471 FAX: 4884-274477  
www.jeece.ac.in | E-mail: info@jeece.ac.in

JEC/2/A/24/19/

10 January 2019

## ORDER

Sub : Financial Assistance policy towards Publication and Faculty Development Activities- reg.

The Management has formulated the policy towards Publication and Faculty Development activities as detailed below with retrospective effect from 1<sup>st</sup> January 2018.

The journals, conferences and FDPs/workshops are categorized as follows:

RANK	JOURNALS	RANK	CONFERENCES	RANK	FDP/Workshops
1	SCI INDEXED	1	International/National conferences with SCOPUS indexed proceedings	1	IIT/IISc/NIT/ISRO/CDAC (or equivalent)
2	SCOPUS INDEXED	2	National conferences with published proceedings with reputed publishing houses like IEEE, ACM, Springer, Elsevier, etc. (or equivalent)	2	AICTE/UGC/KSCSTE/KTU Sponsored
3	NATIONAL/International JOURNALS OF HIGH PROFILE	3	Conferences with dubious backgrounds and publishing houses	3	Local FDP at AICTE approved colleges
4	UGC RECOGNISED Journals (except the dubious ones)	4	OTHERS	4	OTHERS
5	OTHERS				

*Amu*  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531  
(Contd....2)

### Financial assistance to Journal Publications

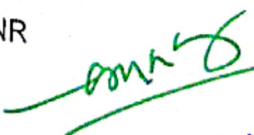
1. SCI Indexed
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 20,000 INR for SCI indexed publications (not part of PhD work).
  - b. Registration fee can be reimbursed up to 50% with the maximum cap of 10,000 INR for SCI indexed publications (part of PhD work).
2. SCOPUS Indexed
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 10,000 INR.
3. NATIONAL/International JOURNALS OF HIGH PROFILE
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 5,000 INR.
4. UGC RECOGNISED Journals (except the dubious ones)
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 3,000 INR.
5. Others
  - a. No assistance

### Conference Publications

1. International/National conferences with SCI/SCOPUS indexed proceedings
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 20,000 INR for international conferences. Duty leave is provided. Further TA/DA assistance can be provided on a case-by-case basis, on the request of concerned person to the Management.
  - b. Registration fee can be reimbursed up to 50% with the maximum cap of 10,000 INR for national conferences.
2. National conferences with published proceedings with reputed publishing houses like IEEE, ACM, Springer, Elsevier, etc. (or equivalent)
  - a. Registration fee can be reimbursed up to 50% with the maximum cap of 5,000 INR for national conferences. Duty leave is provided.
3. Conferences with dubious backgrounds and publishing houses & others
  - a. No assistance is provided.

### FDP/Workshops/etc.

1. IIT/IISc/NIT/ISRO/CDAC (or equivalent)
  - a. Duty leave is provided
  - b. Half of the registration fee can be reimbursed up to 5,000 INR
2. AICTE/UGC/KSCSTE/KTU Sponsored
  - a. Duty leave is provided
  - b. Half of the registration fee can be reimbursed up to 3,000
3. Local FDP at AICTE approved colleges
  - a. Duty leave is provided
4. Other
  - a. Duty leave can be provided with the discretion of the Management.
  - b. No assistance provided.

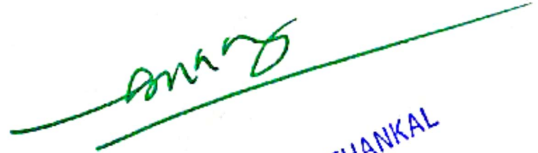
  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.-679 531

NOTE:

- The above publication assistance is given to technical papers with staff as the primary author with Jyothi Engineering College (JEC) as their primary affiliation shown in the paper.
- PhD students registered at JEC are considered as par with teaching faculty for the above financial assistance.
- All other students as primary author (for papers produced as part of their regular curriculum work) gets half of the financial benefit as stipulated above. Students can avail this facility for 2 times during their course of studies (B Tech or M Tech).
- Total financial assistance towards the above assistance for teaching staff cannot exceed 30000 INR per year.
  - There's an exception for SCI indexed publications. A person is eligible for full financial assistance as stipulated above for all SCI indexed publications without any upper sealing cap.
- Total financial assistance towards publications (journal + conference) for students cannot exceed 15000 INR for their entire course of study.
- Recommendations are made through the respective HOD and the final decision is taken by the Principal in consultation with the Management.



Fr. ROY JOSEPH VADAKKAN  
Secretary & Assistant Manager



Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

To

The Principal, JECC

Copy to :

The ADM/ AA  
All HODs  
File

To  
Fr. Roy Joseph Vndakkan  
Secretary & Asst. Manager  
Jyothi Engineering College, Cheruthuruthy

Subject: ORDER NO: JEC/2/A/24/19-Financial Assistance Policy towards Publication and Faculty Development Activities

Kindly Sanction the amount of rupees 3000/- towards the financial assistance policy.  
Herewith attached the required documents for your reference.

M.I.Shiny- 3000/-

Thanking you,

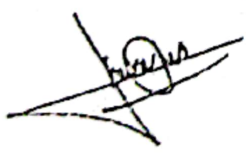
Sincerely



Dr. Nivitha Varghees V  
Research Coordinator  
Jyothi Engineering College, Cheruthuruthy

*L.M.S*  
05/08/2019

Permit



Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.-679 531

To  
Fr. Roy Joseph Vadakkan  
Secretary & Asst. Manager  
Jyothi Engineering College, Cheruthuruthy

Ph : 04884-274198  
E-mail : accounts@jecc.ac.in



# JYOTHI ENGINEERING COLLEGE

Jyothi Hills, Panjal Road, Vettikkattiri (P.O), Cheruthuruthy, State Name : Kerala, Code : JJ, E-Mail : accounts@jecc.ac.in

## BANK PAYMENT

Voucher No : 637

Date : 5-Sep-2019

Paid in BEING FINANCIAL ASSISTANCE PAID TO SHINY M I TOWARDS PUBLICATION AND FACULTY ACTIVITIES

Bank: Federal Bank A/c -15250100001019

Cheque No 10062108 Date: 5-Sep-2019

Particulars	Amount
Faculty Development Expenses	3,000.00

**TOTAL 3,000.00**

Amount in words Three Thousand Only

Prepared By

Authorised By

Receivers Signature

*FR*

Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531



**JYOTHI ENGINEERING COLLEGE - (19-20)**

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198


**Faculty Development Expenses**

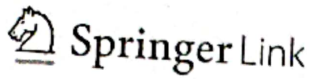
Ledger Account

1-Apr-2019 to 31-Mar-2020

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
5-9-2019	Cr Federal Bank A/c - 15250100001019 Cheque	Cash/Bank Payment	724	3,000.00	
	10062108 5-9-2019 3,000.00 Cr BEING FINANCIAL ASSISTANCE PAID TO SHINY M I TOWARDS PUBLICATION AND FACULTY ACTIVITIES				
Dr	Closing Balance			3,000.00	3,000.00
				3,000.00	3,000.00

  
**Dr. SUNNY JOSEPH KALAYATHANKAL**  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531



# Security Systems in Design for Testing

Soft Computing and Signal Processing pp 495-503 | Cite as

- M. I. Shiny (1) Email author (shinyissac122001@gmail.com)
- R. Reshma (1)
- Shine Ross (1)
- Siji John (1)
- R. Sreevidya (1)
- Sumana Moothedeth (1)

1. Department of Electronics and Communication Engineering, Jyothi Engineering College, , Cheruthuruthy, Thrissur, India

Conference paper

First Online: 14 February 2019

- 418 Downloads

Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 898)

## Abstract

It has become a great problem nowadays that the information contained in an IC chip is not provided with adequate security against the cunning attackers. The modern chip designs inbuilt with a design for testing (DfT) that enable testing process to become more easier, but it also acts as backdoor tool to the hackers to retrieve the sensitive data from the chip. So, in order for providing security for the information contained in the chip, we introduce a reconfigurable PUF design technique with the DfT. This security is achieved by providing a barrier against the hamming distance-based attack. In this paper, we compare the analysis of modified linear feedback shift registers (LFSRs), pseudorandom sequence generator, and physical unclonable function (PUF) in terms of randomness, hamming distance, and security. The result of comparison provides the PUF design have maximum security without effecting the testability of the circuits.

## Keywords

Linear feedback shift register Physical unclonable function Design for testing

This is a preview of subscription content, [log in](#) to check access.

## References

  
 Dr. SUNNY JOSEPH KALAYATHANKAL  
 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
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 PRINCIPAL  
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CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY  
JYOTHI HILLS, VETRIKATTI, P.O. CHIRUTHURUTHY, THRISSUR PIN-679531 PH. NO. 4884 354080 374433 FAX 4884 374433  
www.jeece.ac.in | E-mail: info@jeece.ac.in

No: JEC/2/A/8/21

03 June 2019

## ORDER

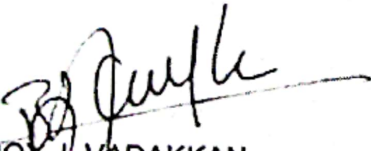
Sub : conference at Mangalore- Financial Assistance- Request from Fr. David Nettikkadan & Prof. Ratnan P. – Orders issued.  
Ref : Representation from Fr. David Nettikkadan & Prof. Ratnan P. dated 23-05-2019.

Fr. David Nettikkadan, Asst. Prof., ECE Dept. And Prof. Ratnan P., Vice Principal, has attended a training programme conducted by MHRD from 9<sup>th</sup> to 22<sup>nd</sup> May 2019 at Mangalore, Karnataka state.

Both the above faculty members have requested for granting Registration Fee, TA & DA for participating the above said Training Programme.

The management has considered their request and decided to grant a sum of Rs. 20,300/- (Rupees twenty thousand three hundred only) to each faculty member as total expenses met for the training programme.

The amount mentined may be disbursed to the Faculty members.


  
Fr. ROY J. VADAKKAN  
Secretary & Assistant Manager

To

1. Rev. Fr. David Nettikkadan
2. Prof. Ratnan P., Vice Principal

Copy to

The Principal/DA/ADM/AA  
The HOD, ECE Dept.

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

To,

Fr. Roy Joseph Vadakkon.  
Secretary & Ex Asst. Manager  
SECC.

Respected Fr,

As per the instruction from the management, myself Fr. David Nettikadan AP, ECE and Prof. Ratnan P, VP, SECC has attended the training program conducted by MLHRD, Mangalore from May 9-22, 2019. The course costed around 20,300 per person. The travel and accommodation expenses were 11,000 for us combined. I am attaching the bills & receipts herewith. Please reimburse these amount to us.

Yours Faithfully,

Approved -

*[Signature]*

Cheruthuruthy,

23/05/2019.

*[Signature]*

(1) Ratnan. P

Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc., M.Phil, B.Ed.  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL

Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

*[Signature]*

# JYOTHI ENGINEERING COLLEGE - (19-20)

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198

## FDP Expenses Ledger Account

1-Apr-2019 to 31-Mar-2020

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
9-5-2019	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	147	40,600.00	
	Cheque 10060788 9-5-2019			40,600.00 Cr	
	Primary Cost Category				
	Ratnan P 20,300.00 Dr				
	Fr.David Nettikkadan 20,300.00 Dr				
	<i>BEING AMOUNT TRANSFERRED FOR MFLHRD COURSE FEE FOR FR DAVIS NETTIKADEN &amp; RATNAN P AS PER THE MANAGEMENT DECESION.</i>				
18-5-2019	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	201	10,000.00	
	Primary Cost Category				
	Jinesh K. J 5,000.00 Dr				
	<i>BEING AMOUNT PAID TO JINESH K J &amp; ANEESH CHADRAN FOR FINANCIALSUPPORT FOR THEIR PROJECT</i>				
23-5-2019	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	224	11,000.00	
	Cheque 10060842 23-5-2018			11,000.00 Cr	
	Primary Cost Category				
	Ratnan P 5,500.00 Dr				
	Fr.David Nettikkadan 5,500.00 Dr				
	<i>BEING AMOUNT PAID TO FR DAVID NETTIKADEN FOR EXPENSES IN CONNECTION WITH MFCHRD COURSE.</i>				
29-8-2019	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	683	16,500.00	
	Cheque 10062069 29-8-2019			16,500.00 Cr	
	Primary Cost Category				
	General 16,500.00 Dr				
	<i>BEING TA PAID TO ADVISORY COMMITTE MEMBERS PARTICIPATED IN THE ACADAMIC RETREAT ON 08.07.19</i>				
	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	684	13,000.00	
	Cheque 10062070 29-8-2019			13,000.00 Cr	
	Primary Cost Category				
	General 13,000.00 Dr				
	<i>BEING TA PAID TO RESOURCES PERSON IN CONNECTION WITH FDP ACADAMIC RETREAT 'DO TI'. PAID THROUGH NIKHIL N S.</i>				


*(Signature)*  
**Dr. SUNNY JOSEPH KALAYATHAN**  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

Carried Over

91,100.00

continued ...

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			91,100.00	
				91,100.00	
Dr	Closing Balance				91,100.00
				91,100.00	91,100.00

  
**Dr. SUNNY JOSEPH KALAYATHANKAL**  
 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O. - 679 531

## FEEL

### Participant's Profile

#### Certificate of Cumulative Assessment of Competencies



Name of the Trainee : Fr. David Nettikadan

Address : Asst. Professor, Electronics and Communication Engineering,  
Jyothi Engineering College, Thrissur - 679531.

Programme with date : Orientation to HRD and Leadership, 13 through 16 May 2019  
Facilitator Certification in HRD, 17 through 22 May 2019

### SKILLS

1. Verbal Communication	<u>Excellent</u>
2. Facilitation Skills	<u>Very Satisfactory</u>
3. Skills of Comprehension	<u>Excellent</u>
4. Participation and Interaction	<u>Excellent</u>
5. Interpersonal Relations	<u>Excellent</u>
6. Language Competency	<u>Excellent</u>
7. Public Speaking Skills	<u>Very Satisfactory</u>
8. Willingness to be Influenced	<u>Excellent</u>
9. Sense of Humour	<u>Very Satisfactory</u>
10. Appearance Presentation	<u>Very Satisfactory</u>

### GRADES

- Excellent
- Very Satisfactory
- Satisfactory
- Yet to Develop
- Interest Yet to be Identified

Profile Grade

**Excellent**



Issued under the seal of CLHRD

The assessment of the skills enumerated above has been done not only on the basis of recorded and graded personal observations of the Group Facilitator on each day for ten continuous days but also counter checked by the recorded reports of Master Facilitator/Director on each participant about interest, improvements, participation and general performance in practicals / projects, classroom discussions and activities.

*Dr. SUNNY JOSEPH KALAYATHANKAL*  
M.A., M.Sc., M.Phil., B.Ed  
Ph.D. (Computer Science), Ph.D. (Maths)  
Jyothi Engineering College  
Cheruthiur, Thrissur - 679 531



*Facilitating Excellence in Effective Leadership*

## FEEL

### Participant's Profile

#### Certificate of Cumulative Assessment of Competencies



Name of the Trainee: Prof. Ratnan

Address: Vice Principal, Jyothi Engineering College, Cheruthurthy,  
Thrissur - 679531.

Programme with date: Orientation to HRD and Leadership, 13 through 16 May 2019  
Facilitator Certification in HRD, 17 through 22 May 2019

### SKILLS

1	Verbal Communication	<i>Very Satisfactory</i>
2	Facilitation Skills	<i>Satisfactory</i>
3	Skills of Comprehension	<i>Excellent</i>
4	Participation and Interaction	<i>Very Satisfactory</i>
5	Interpersonal Relations	<i>Very Satisfactory</i>
6	Language Competency	<i>Very Satisfactory</i>
7	Public Speaking Skills	<i>Very Satisfactory</i>
8	Willingness to be Influenced	<i>Excellent</i>
9	Sense of Humour	<i>Satisfactory</i>
10	Appearance Presentation	<i>Very Satisfactory</i>

### GRADES

- . Excellent
- . *Very Satisfactory*
- . Satisfactory
- . Yet to Develop
- . Interest Yet to be Identified

Profile Grade

*Very Satisfactory*



Issued under the seal of CLHRD

The assessment of the skills enumerated above has been done not only on the basis of recorded and graded personal observations of the Group Facilitator on each day for ten continuous days but also counter checked by the recorded reports of Master Facilitator/Director on each participant about interest, improvements, participation and general performance in practicals/ projects, classroom discussions and activities.



*Facilitating Excellence in Effective Leadership*



To

F. Roy Joseph Vadakkan  
Secretary & Asst. Manager  
Jyothi Engineering College, Cheruthuruthy

Subject: ORDER NO: JEC/2/A/24/19-Financial Assistance Policy towards Publication and Faculty Development Activities

Dear Sir,

Kindly Sanction the amount of rupees 28570/- towards the financial assistance policy. Herewith attached the required documents for your reference. The faculty and student members are as follows

1. Ms. Viji E P -- Rs. 1000/-
2. Mr. Jenson Jose - Rs. 3750/-
3. Fr. Dr. Jaison Paul - 2360/-
4. Ms. Nyni K A - 2360/-
5. Fr. David Nettikadan - 13100/-
6. Ms. Joshna Anna Johnson - Rs. 3500/-
7. Ms. Haritha A. S - Rs. 2500/-

Thanking you,

Sincerely

*[Signature]*  
Dr. Nivitha Varghees V  
Research Coordinator  
Jyothi Engineering College, Cheruthuruthy

*Recommended*  
*[Signature]*

*[Signature]*  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D Computer Science, Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

Forwarded to the A.M.

*[Faint handwritten notes and signatures at the bottom of the page]*



# JYOTHI ENGINEERING COLLEGE

Jyothi Hills, Panjal Road, Vettikkattiri (P.O), Cheruthuruthy, State Name: Kerala. Code: 32. E-Mail: accounts@jecc.ac.in

Ph : 04884-274198  
E-mail : accounts@jecc.ac.in

## BANK PAYMENT

Voucher No : 1572

Date : 8-Mar-2019

Paid to BEING FINANCIAL ASSISTENCE PAID FOR PUBLICATION & FACULTY DEVELOPMENT ACTIVITIES

Bank Federal Bank A/c -15250100001019

Cheque No 10060148 Dates 8-Mar-2019

### Particulars

Faculty Development Expenses

Amount

28,570.00

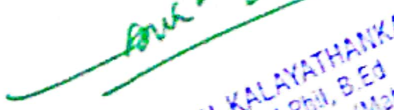
**TOTAL 28,570.00**

Amount in words Twenty Eight Thousand Five Hundred Seventy Only

Prepared By

Authorised By

Receivers Signature

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

**JYOTHI ENGINEERING COLLEGE - (18-19)**

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198


**Faculty Development Expenses**

Ledger Account

1-Apr-2018 to 31-Mar-2019

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
8-3-2019	Cr Federal Bank A/c - 15250100001019 Cheque 10060148	Cash/Bank Payment	1599	28,570.00	
	8-3-2019 28,570.00 Cr BEING FINANCIAL ASSISTENECE PAID FOR PUBLICATION & FACULTY DEVELOPMENT ACTIVITES				
				28,570.00	
Dr	Closing Balance				28,570.00
				28,570.00	28,570.00

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531



# Jyothi Engineering College

Approved by AICTE & affiliated to ADT Abdul Kalam Technological University

Approved by AICTE & affiliated to ADT Abdul Kalam Technological University  
Approved by AICTE & affiliated to ADT Abdul Kalam Technological University  
Approved by AICTE & affiliated to ADT Abdul Kalam Technological University

JEC/2/A/8/20/

28 September 2020

## ORDER

- Sub : Mr. Jithin K. Jose, AP, EE Dept.- Participation in Maker Fair Track IEEE YESIST12 2019 – Reimbursement Granted-reg.
- Ref : 1. Submission of Mr. Jithin K. Jose, AP, EEE.  
2. Order JEC/2/A/8/20 dated 11 February 2020  
3. Note Submitted by ADM dated 28-09-2020

Mr. Jithin K. Jose along with three students participated in the Maker Fair Track IEEE YESIST12 2019 Project competition held at Stamford University, Bangkok, Thailand. The team was permitted to attend the Fair and an amount of Rs. 15,000/- was paid to the students from the fund of IEEE- IAS & IEDC.

Mr. Jithin K. Jose, Team Leader was granted Rs. 16,000/- for initial expenses like Visa Processing etc.

After attending the conference, Mr. Jithin asked further financial assistance and the college passed the order cited (2) above on the presumption that Rs. 15,000/- given to the students as an advance payment to Mr. Jithin K. Jose. In the above order the college admitted Rs. 14,500/-, 75% of his travelling expenses and asked him to refund the balance Rs. 500/-.

It is hereby ordered to reimburse the admitted amount of Rs. 14,500/- to Mr. Jithin K. Jose. He need not refund any amount to the college. The order cited as 2 above is modified to this extend.

Fr. ROY JOSEPH VADAKKAN  
Secretary & Assistant Manger

*Sunny*

Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 671531

*Approved*

*03*

To  
Mr. Jithin K Jose, Assistant Professor, EE Dept.

Copy to :

- The Principal
- The Manager (Accounts)
- HOD, EEE
- File

*Revised*  
*[Signature]*

# JYOTHI ENGINEERING COLLEGE - (19-20)

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198

## Conference & Seminar Expenses Ledger Account

1-Apr-2019 to 31-Mar-2020

Page 1

Credit

Date	Particulars	Vch Type	Vch No.	Debit	Credit
29-4-2019	Cr Jithin K Jose - EEE Staff Primary Cost Category Jithin.K.Jose	Journal	236	16,000.00	
	16,000.00 Dr BEING AMOUNT PAID TO JITHIN K JOSE FOR VISSA PROCESSING AND MEMEBERSHIP FOR IEE - IAS ( AS PER THE MANAGEMET MEETING DATED 02.04.19)				
27-8-2019	Cr (as per details) Travelling Expenses Fuel Expenses - Vehicle Federal Bank A/c -15250100001019 Cheque	Cash/Bank Payment	667	3,452.00	
	3,370.00 Dr 2,000.00 Dr 8,822.00 Cr 10062054    27-8-2019    8,822.00 Cr				
	Primary Cost Category Dr.Shijoh.V				
	3,452.00 Dr BEING AMOUNT PAID TO DR. SHIJO( EXPENSES INCLUDING MOBILITY EXPOP AT KOCHI)				
				19,452.00	
Dr	Closing Balance				19,452.00
				19,452.00	19,452.00

*Sunny*

**Dr. SUNNY JOSEPH KALAYATHANKAL**  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531



# Jyothi Engineering College

Approved by AICTE & AFFILIATED TO APJ Abdul Kalam Technological University  
A CENTER OF EXCELLENCE IN TECHNICAL EDUCATION  
JYOTHI HALL, VETTERUKRUTHI P.O., CHERUTHURUTHY, THIRUVARUR DISTRICT PIN 610005, TAMIL NADU, INDIA  
www.jecc.ac.in | E-mail: info@jecc.ac.in

No: JEC/2/A/8/18

28 April 2018

## ORDER

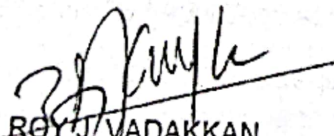
Sub : Participation of Workshop at Delhi- Financial Assistance- Request from Mr. M. G. Cyriac, Associate Professor, CE Dept. – Orders issued.  
Ref : Representation from Mr. M. G Cyriac, Associate Professor, CE Dept. dated 28-04-2018.

Prof. M. G. Cyriac, has attended a Workshop conducted by 'Unnath Bharath Abhiyaan (UBA)' on 25<sup>th</sup> April 2018 at New Delhi.

Prof. M. G. Cyriac has requested for granting food & accommodation charges only for participating the above said workshop. He has also stated that he availed the air travel concession which is available to him for his travel.

The management has considered his request and decided to grant a sum of Rs. 6,846/- (Rupees Six thousand eight hundred forty six only) to Prof. M. G. Cyriac as total expenses met in connection with the Workshop .

The amount mentined may be disbursed to the Faculty member.

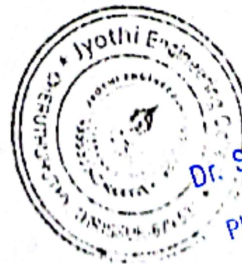
  
Fr. RGY J. VADAKKAN  
Secretary & Assistant Manager


To

1. M. G. Cyriac, Associate Professor, Civil Engineering Dept.

Copy to

The Principal/DA/ADM/AA  
The HOD, CE Dept.



  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.-679 531

To

Fr Roy Joseph Vadakkam

Respected Father

As per instruction from  
the management myself (M. G. Cynal)  
went to Delhi attended at UBA  
of the Delhi a workshop on 25-4-18.  
The expenses included Accomodation  
and food expenses and I used the  
air hand concession available to me.  
The expenditure is Rs 6846.00. The  
amount may be reimbursed

28.4.2018

Cynal  
H. G. Cynal

AMKRO

Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

**JYOTHI ENGINEERING COLLEGE - (18-19)**

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198

**Conference & Seminar Expenses**

Ledger Account

1-Apr-2018 to 31-Mar-2019

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
30-4-2018	Cr Federal Bank A/c -15250100001019 Cheque 10056625 30-4-2018 6,846.00 Cr Primary Cost Category Civil Depart 6,846.00 Dr BEING AMOUNT TO M G CYRIAC FOR ATTENDING UBA - 2 WORK SHOP ON 25.04.18	Cash/Bank Payment	100	6,846.00	
2-5-2018	Cr Federal Bank A/c -15250100001019 Cheque 10056631 2-5-2018 26,493.00 Cr Primary Cost Category CSE Dept 26,493.00 Dr BEING AMOUNT PAID TO MURALI KRISHNAN C FOR EXPENSES IN CONNECTION WITH KTU RESEARCH CONCLAVE 2018	Cash/Bank Payment	107	26,493.00	
21-12-2018	Cr Kapildas - ECE Staff Primary Cost Category Jyothi Engineering College 57,203.00 Dr BEING AMOUNT INCURRED FOR EXPENSES IN CONNECTION WITH PANEL DISCUSSION ABOUT "FLOOD & AFTER FLOOD" AT SAHITHYA ACADEMY HALL THRISSUR.	Journal	4490	57,203.00	
18-1-2019	Cr Federal Bank A/c -15250100001019 Cheque 10059705 17-1-2019 20,000.00 Cr Primary Cost Category Admission 20,000.00 Dr BEING AMOUNT PAID TO VINOD K FOR EXPENSES IN CONNECTION WITH CAREER PULSE 2019 EDUCATIONAL EXPO	Cash/Bank Payment	1336	20,000.00	
Dr	Closing Balance				1,10,542.00
				1,10,542.00	
				1,10,542.00	1,10,542.00

*(Signature)*

**DR. SUNNY JOSEPH KALAYATHANKAL**  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531





# Jyothi Engineering College

NAAC Accredited college with 313 Accredited programmes\*

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

A CENTER OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTUR P.O., CHERUTHURUTHY, THIRISSUR PIN-675531 PH: 481-2884-259000, 274423 FAX: 54884-274777

www.jeece.ac.in | E-mail: info@jeece.ac.in

No: JEC/2/A/8/18

25 October 2016

## ORDER

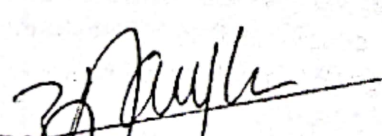
Sub : Presentation of Paper - Financial Assistance- Request from  
Dr. Muhammed Abdul Wajeed, Professor, CS Dept. – Orders issued.  
Ref : Representation from Dr. Muhammed Abdul Wajeed, Professor, CS Dept.

Dr. Muhammed Abdul Wajeed, has presented a paper titled "Semi-Supervised Distributional Vector Generation Techniques for Text Classification" conducted by Indian Journal of Science and Technology at Bangalore on 22-10-2016.

Dr. Muhammed Abdul Wajeed has requested for granting Travelling and food & accommodation charges for presentation of the paper.

The management has considered his request and decided to grant a sum of Rs. 10,500/- (Rupees Ten thousand five hundred only) to Dr. Muhammed Abdul Wajeed as total expenses met in connection with the programme.

The amount mentined may be disbursed to the Faculty member.

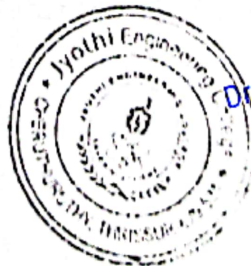
  
Fr. ROY J. VADAKKAN  
Secretary & Assistant Manager


To

1. Dr. Muhammed Abdul Wajeed , Professor, CSE Dept.

Copy to

The Principal/DA/ADM/AA  
The HOD, CE Dept.



  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

From

Muhammed Abdul Wajed  
Professor, CSE Dept.

To

Thomas Mathew.  
Administrator.  
JECC

Sub: Reimbursement of amount for paper presentation.

Sir,

I, Dr. Muhammed Abdul Wajed, Professor, CSE Dept has presented the paper titled "Semi-Supervised distributed vector generation techniques for text classification" conducted by Indian Journal of Science & Technology. The registration, travel & accommodation expenses were around 10500. I hereby reimburse the amount.

Amr  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

Yours faithfully  
Muhammed Abdul Wajed  
Muhammed Abdul Wajed

Date	Particulars	Vch Type	Vch No.	Debit	Credit
	Brought Forward			53,244.00	
25-7-2016	Cr (as per details)				
	Telephone Charges - Coin Box	1,512.00 Dr			
	Printing & Stationary	1,800.00 Dr			
	Accreditation Expenses	4,000.00 Dr			
	Federal Bank A/c -15250100001019		10,312.00 Cr		
	Cheque 10045726	25-7-2016	10,312.00 Cr		
	Gibin George	3,000.00 Dr			
	BEING AMOUNT PAID FOR VARIOUS EXPENSES				
15-11-2016	Cr Federal Bank A/c -15250100001019			12,715.00	
	Dr. Muhammed Abdul Wajeed	10,500.00 Dr			
	BEING REGISTRATION FEE & TRAVELLING EXPENSES PAID TO DR. MUHAMMED ABDUL VAJIED FOR PAPER PRESENTATION EXPENSES				
16-12-2016	Cr Thomas George K - CSE Staff			19,800.00	
	CSE Dept	19,800.00 Dr			
	BEING FDP EXPENSES SETTLED BT CSE DEPT				
19-12-2016	Cr (as per details)			36,000.00	
	TDS Payable-Professionals	3,162.00 Cr			
	ICT Academy of Kerala	32,838.00 Cr			
	NON TEACHING STAFF	36,000.00 Dr			
	BEING FDP EXPENSES PAID TO ICT ACADEMY				
19-1-2017	Cr Federal Bank A/c -15250100001019			5,850.00	
	Cheque 10048615	19-1-2017	5,850.00 Cr		
	EEE Depart	5,850.00 Dr			
	BEING AMOUNT PAID TO JENSON JOSE FOR EXPENSES IN CONNECTION WITH ONE DAY WORKSHOP CONDUCTED ON 13.01.17				
1-2-2017	Cr (as per details)			70,842.00	
	Registration Fees	65,400.00 Cr			
	Federal Bank A/c -15250100001019	5,442.00 Cr			
	Cheque 10048642	1-2-2017	5,442.00 Cr		
	EEE Depart	70,842.00 Dr			
	BEING EEE DEPT STTP ON RESEARCH METHODOLOGY DURING THE PERIOD 11.01.17 TO 15.01.17. ( REGISTRATION FEE INCLUDES RS. 25000 FROM PROFEZSIONAL BODIES)				
Dr	Closing Balance			2,01,451.00	2,01,451.00

*mano*  
 Dr. SUNNY JOSEPH KALAYATHANKAL  
 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O. - 679 531

2,01,451.00	2,01,451.00
2,01,451.00	2,01,451.00

# Semi-Supervised Distributional Vector Generation Techniques for Text Classification

Mohammed Abdul Wajeed\*

Computer Science and Engineering Department, Jyothi Engineering College, Cheruthuruthy - 679531, Kerala, India; drwajeedphd@gmail.com,

## Abstract

Text class has loved its privilege as a core studies area in text mining. Supervised, unsupervised are the 2 famous paradigms within the technique of type. Relatively novel method of classification is semi-supervised mastering which is midway among the supervised and unsupervised getting to know. With smaller schooling statistics units and taking the large without problems to be had unlabeled data, the procedure of studying in class is refined. There are versions in semi-supervised, transductive gaining knowledge of wherein the trained and untrained facts are given in advance the classifier is built, the goal is to expect the magnificence label of untrained data. The opposite version is inductive learning in which the labeled and unlabeled statistics is utilized in model constructing; goal of the version is to predict the unseen information magnificence label. The paper aims to using transductive getting to know to classifying the textual statistics with the aid of considering the phrases appearing in special parts of the record. The words performing inside the introductory and conclusion a part of the files may additionally play important function within the procedure of type, than the ones seemed in other parts. The approach employed could provide one of a kind weights to words primarily based on their presence in one-of-a-kind role of the document. Taking into consideration the above within the procedure of mapping the textual facts into numerical patterns editions of distributed vector generations are acquired. Taking into account large differences in the duration of the documents, distinct normalization techniques are employed which gave eights one-of-a-kind vectors. Non-parametric, most effective to put into effect ok-nearest neighbour algorithm is hired for free-go with the flow textual classification. The outcomes received conclude that semi-supervised textual class can be carried out without loss in category accuracy where restrained skilled records is to be had, as the accuracies of the gaining knowledge of model in supervised and emi-supervised coincide with each other.


**Keywords:** Distributional Vectors, KNN, Semi-Supervised, Text Classification, Transductive Learning

## 1. Introduction

Text type has loved as a core studies region in domain of text mining particularly after the generation of electronic textual information mills. Greater ever the fee of textual records technology has multiplied due to the usage of intra, internet utilization in enormous areas. The sole cause to shop the data is for evidence checking alone, so no effort is employed to save the information in categorized repository. Keeping in view of the future wishes of choice making, if the statistics is stored in categorized repositories, then navigation and use of it decision making becomes simpler. The most popular models for records

classification commonly are supervised and unsupervised as given in<sup>1</sup>. Supervised type is a predictive version where the task is to educate a version based totally on training records, the education records is classified. The version constructed is used to assign a pre-defined elegance label to new facts as in<sup>2</sup>. Unsupervised mastering do not have education records, it corporations the given information into clusters primarily based at the similarity as in<sup>3</sup>. The statistics within the similar cluster are handled to belong to same magnificence. Semi-supervised is relative new process model which takes smaller education statistics units mixed with massive to be had unlabeled facts to categorise the records. Normally bag-of-words (bow)

\*Author for correspondence

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

JYOTHI ENGINEERING COLLEGE – CHERUTHURUTHY

PROCEEDINGS

JECC – ESTT – Constitution of Committee – Orders Issued.

No: JEC/2/A/8/15

1<sup>st</sup> December 2015

ORDER

Sub : Workshop on MHRDs - Financial Assistance- Request from Mr. Jenson Jose, AP, EEE.

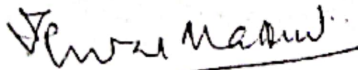
Ref : Representation from Mr. Jenson Jose dated 30-11- 2015.

Mr. Jenson Jose, Asst. Prof., EEE Department has attended a workshop conducted by MHRD on 28<sup>th</sup> November 2015 at Rajagiri Business School, Kochi.

Mr. Jenson Jose has requested for granting Registration Fee, TA & DA for participating the above said workshop as per referencc cited above.

The management has considered his request and decided to grant a sum of Rs. 9,000/- (Rupees Nine thousand only) to the faculty member as total expenses met for the workshop.

The amount mentined may be disbursed to the Faculty member.



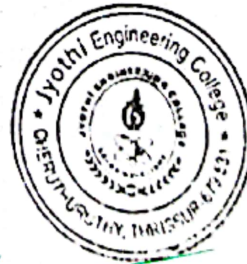
THOMAS MATHEW  
Administrator

To

1. Mr. Jenson Jose, AP, EEE Department.

Copy to

The Principal/ADM/AA  
The HOD, EEE Dept.



  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

From

Jenson Jose  
Asst. Professor  
EEE, JECC.

To

Fr. Roy Joseph Vadakkam  
Secretary & Asst. Manager  
JECC.

Subj. - Reimbursement of Amount for workshop.

As per the instruction from the management myself Mr. Jenson Jose has attended National level workshop on MHRDS at Rajagiri Business school Kochi. The course costed around 9000/- . Kindly reimburse the amount of Rs. 9000/- Bills are also attached with this.

Yours faithfully



Jenson Jose.

amr  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

# JYOTHI ENGINEERING COLLEGE - (15-16)

Jyothi Hills, Panjal Road, Vettikkattiri (P.O)

Cheruthuruthy

Kerala - 679531, India

Contact : 04884-274198

## Conference & Seminar Expenses

Ledger Account

1-Apr-2015 to 31-Mar-2016

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
10-8-2015	Cr (as per details)	Cash/Bank Payment	903	1,11,859.00	
	Registration Fees			24,460.00 Cr	
	Federal Bank A/c -15250100001019			87,399.00 Cr	
	Cheque 10038676	10-8-2015		87,399.00 Cr	
	On Account			1,11,859.00 Dr	
	CSE Dept			1,11,859.00 Dr	
	<i>BEING AMOUNT PAID TO VIJU SANKAR CSE DEPT FOR EXPENSES IN CONNECTION WITH NATIONAL CONFERENCE CONDUCTED ON 9 TH &amp; 10 TH APRIL 2015.</i>				
20-8-2015	Cr (as per details)	Cash/Bank Payment	1016	16,308.00	
	Registration Fees			1,400.00 Cr	
	Federal Bank A/c -15250100001019			14,908.00 Cr	
	Cheque 10038894	20-8-2015		14,908.00 Cr	
	On Account			16,308.00 Dr	
	CSE Dept			16,308.00 Dr	
	<i>BEING AMOUNT PAID TO THOMAS GEORGE CSE DEPT FOR EXPENSES IN CONNECTION WITH WORK SHOP CONDUCTED ON CSE DEPT</i>				
20-11-2015	Cr Federal Bank A/c -15250100001019	Cash/Bank Payment	1450	9,000.00	
	Cheque 10040042	20-11-2015		9,000.00 Cr	
	On Account			9,000.00 Dr	
	EEE Depart			9,000.00 Dr	
	<i>BEING REGISTRATION FEE PAID TO JENSON JOSE FOR ATTENDING NATIONALLEVEL WORKSHOP ON MHRDS AT RAJAGIRI BUSINESS SCHOOL KOCHI.</i>				

*[Signature]*  
**Dr. SUNNY JOSEPH KALAYATHANKAL**  
 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O. - 679 531

Carried Over

1,37,167.00

continued ...



### CERTIFICATE OF APPRECIATION

This certificate has been awarded to

Mr. Jenson Jose  
from

Jyothi Engineering College Thiruvananthapuram  
for participating in

NATIONAL WORKSHOP ON NIRF  
NATIONAL INSTITUTIONAL RANKING FRAMEWORK

26/11/2015  
Date



*[Signature]*

Director - Eloit Innovations

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Amrath  
Dr. SUNNY JOSEPH KALAYATHANKAL  
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PRINCIPAL  
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# National Institute of Technology Calicut

(Centre of Excellence under M.H.R.D, Govt. of India)  
Kozhikode – 673601, Kerala, India

Department of Electronics and Communication Engineering


Industry Institute Interaction Program


Five-Day Workshop on

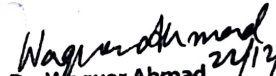
## Deep Learning

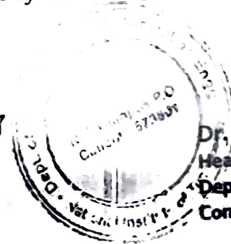
Certificate of Participation


This is to certify that Ms. Nyni K.A., Asst. Prof., E.C.E., Jyothi Engg. College, Cheruthuruthy..... has attended the five-day workshop (under Industry Institute Interaction Program) on Deep Learning held during December 18-22, 2018 organized by the Department of Electronics and Communication Engineering, National Institute of Technology Calicut, Kozhikode-673601.

  
22.12.2018  
**Dr. Sudeep P.V.**  
Coordinator

  
**Dr. SUNNY JOSEPH KALAYATHANKAL**  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
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21/12/18  
**Dr. Waqar Ahmad**  
Coordinator  
Dept. of Electronics and  
Communication Engg.



  
22.12.2018  
**Dr. Babu A.V.**  
Head of the Department  
Dept. of Electronics and  
Communication Engg.



**CENTRE FOR RESEARCH IN MATHEMATICS  
DEPARTMENT OF MATHEMATICS  
CMS COLLEGE KOTTAYAM**

**International Conference on Advances in  
Applied Probability and Stochastic Processes**

(ICAAP&SP@CMS 2019)  
(In Honour of Prof. A. Krishnamoorthy)

*Certificate*

This is to certify that ~~Dr./Mr./Mrs.~~ Viji. E.P., Asst. Professor,  
Jyothi Engineering College, Cheruthuruthy, Thrissur  
(Research Scholar, Govt. Engineering College, Thrissur)

has participated /presented a paper in the International Conference on Advances in Applied Probability and Stochastic Processes organized by Centre for Research in Mathematics, Department of Mathematics, CMS College Kottayam during the period of January 7 to 10, 2019.

Title of the paper presented is Reliability of a 1-out-of-m system with  
hot n-out-of-n subsystems as components  
and is authored by Viji. E.P., N.C. Viswanath  
G.E.C Thrissur

**Dr. Varghese C. Joshua**  
Coordinator,  
ICAAP&SP@CMS 2019

**Dr. Roy Sam Daniel**  
Principal

**Prof.(Dr.) S. R. S. Varadhan FRS**  
Courant Institute of Mathematical Sciences  
USA



*ammy*  
Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
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