

# Engineering College

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

Department of Electrical and Electronics Engineering  
www.aec.ac.in

IEEE & IEEE-IAS IN ASSOCIATION WITH DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PRESENTS

# ONE DAY WORKSHOP ON PCB DESIGN

VENUE: PROJECT LAB, EEE-DEPT

DATE: 3<sup>rd</sup> MAY 2019

TIME: 9:15 AM TO 4:30 PM

Registration fee

IEEE members - free

Non-IEEE members - Rs 50/-

LIMITED SEATS

STAFF COORDINATOR

JITHIN K. JOSE-AP EEE  
8547156458

STUDENT COORDINATOR

MANSOOR -S4 EEE  
9605165325

True Copy Attested

*Mansoor*

JOSEPH KALAYAN  
MCA, M.Sc. in  
(Computer Science)  
Jyothi Engineering College  
Cheruthuruthy

# Jyothi Engineering College

N.A.A.C accredited college with 2013 Accredited Programmes

Approved by AICTE & affiliated to API Abdul kalam Technological University

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

JYOTHI HILLS, VETTIKATTI P.O., CHERATHURUTHY, TRIRILLOUR, PIN-679531, PH : 471-4884-269000, 274423 FAX : 04694-274777  
N/A accredited B. Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering,  
Electrical & Electronic Engineering and Mechanical Engineering valid for the academic years 2019 to 2022

www.jeecc.ac.in | Email : info@jeecc.ac.in



## Submitted

Respected Sir, IEEE & IEEE-IAS Student Chapter, Jyothi Engineering College in association with Department of Electrical and Electronics Engineering is planning to conduct a workshop on **PCB Design** on May 3<sup>rd</sup> 2019, Friday for IEEE members and 1<sup>st</sup> year and 2<sup>nd</sup> year students who had given names to take IEEE membership, number limited to 20. The workshop will be conducted in the EEE Department lab with the help of Mr. Majeendran, Lab Staff- EEE Dept.

I kindly request you to give permission for conducting the same.

Thanking you

*Approved*  
*[Signature]*  
13/4/19

*Recommended*  
*[Signature]*  
13/4/19

Your's Faithfully

*[Signature]*

Jithin K. Jose

Staff Advisor, IEEE-IAS

*[Signature]*  
KRM

*Permission given*  
*[Signature]*  
13/4/19  
*(Performer club conduct)*

True Copy Attested

*[Signature]*

Dr. SURESH P. S. (Ph.D., M.Tech, MCA, M.Sc., M.Phil., B.Ed)  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College



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## Budget for PCB Design Workshop on May 3<sup>rd</sup> 2019, Friday

Sl. No.	Item	Income	Expense
1	Fee from students Rs. 50/- each (50x10)	500	
2	IEEE-IAS fund	1500	
3	Memento for resource person		500
4	Printing of flex, poster and certificate		<del>1000</del> 500
5	Miscellaneous		500
	<b>Total</b>	<b>2000</b>	<b>2000</b>

*Jai*  
13/4/19

*[Signature]*  
FRAX  
15/4/19

*[Signature]*  
12/4/19

True Copy Attested

*[Handwritten signature]*

Jithin K. Jose

IEEE-IAS Staff Advisor

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



# Jyothi Engineering College

NAAC Accredited college with NBA Accredited programmes

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## IEEE STUDENT BRANCH

Branch Code: 63281 School Code: 416181404

2018-2019

### Workshop on PCB Dsign

Date : 03<sup>rd</sup> May 2019

Venue : EEE Project Lab

A workshop on PCB Design conducted on 03-15-2019 in association with IEEE and IEEE- IAS .20 students from various branch participated in the workshop . Mr. Majeendran K , Lab Instructor , EEE Department handle the session . All students familiarized with PCB design tool Proteus ARES and manufactured their own PCB on copper clad with toner transfer method.



True Copy Attested

*Sunny Joseph Kalayathankal*

SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.P.  
Ph.D (Computer Science) Ph.D (Maths)

Jyothi Engineering College  
Cheruthuruthy PO - 679531

# Engineering College

EEE

One day workshop on PCB Design Organizing by IITE & IEEE IAS  
in association with Department of Electrical and Electronics on 3/5/2019

Sl. No.	Name	Department	IEEE No.	Fee paid	Signature
1 ✓	BASITH ALI	MR S <sub>a</sub>		50/-	
2 ✓	MAHMOOD Faisal	MR, S <sub>2</sub>		50/-	
3 ✓	Sandesh K Sunny	MR S <sub>4</sub>		50/-	
4 ✓	Ramjith K N	ME S <sub>4</sub>		50/-	
5 ✓	Sharath Surya O	ME S <sub>4</sub>		50/-	
6 ✓	SAVIO BABU P	ME S <sub>4</sub>		50/-	
7 ✓	ANISH U	ME S <sub>4</sub>		50/-	
8 ✓	DEEPAK M.N	ME S <sub>4</sub>		50/-	
9 ✓	Aneeq Thair K K Q	S <sub>4</sub> CEE		50/-	
10 ✓	Rahman Roy	ME CEE		50/-	
11 ✓	K.V. Manojan	S <sub>4</sub> CEE		50/-	
12 ✓	Nizmal	S <sub>4</sub> MR		50/-	
13 ✓	Riya TR	S <sub>4</sub> MR		50/-	
14 ✓	Blinson Babu	S <sub>4</sub> MK		50/-	
15 ✓	Snekanth	S <sub>4</sub> MK		50/-	
16 ✓	Allen Jose	S <sub>4</sub> M		<del>50</del> 50	
17 ✓	Ashwin .m	S <sub>4</sub> MEA		50/-	
18 ✓	Anirudh Menon P	"		50/-	
19 ✓	Sahal .K.H	S <sub>4</sub> CEE		-	
20					

True Copy Attested

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Dr. SUNNY JOSEPH KALAYATHILAL  
M.Tech, MCA, M.Sc, M.Phil, B.Tech  
Ph.D (Computer Science), Ph.D (Mains)

PRINCIPAL

Jyothi Engineering College  
Cheruthuruthy P.O.- 679 531

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IEEE - IAC Staff Ad.



# Jyothi Engineering College

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Electrical & Electronics Engineering and Mechanical Engineering, valid for the academic years 2016 to 2022  
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## Certificate of Participation

This is to certify that \_\_\_\_\_  
of \_\_\_\_\_ Engineering has participated in  
the "PCB Design Workshop" held at Jyothi Engineering College on 3<sup>rd</sup> May 2019.

Mr. Jithin K Jose      Fr. Dr. Jaison Paul Mulerikkal CMI      Fr. Roy Joseph Vadakkan  
IEEE-IAS Staff Advisor      Principal      Secretary

True Copy Attested

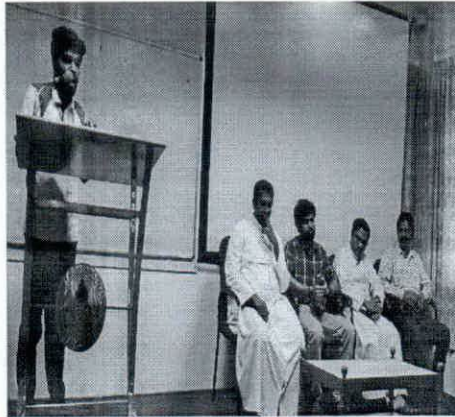
Ph.D. SUNNY JOSEPH  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Mats) PRINCIPAL



## Workshop on ChatBot

Date: 06/04/2019

Venue: Insight Hall



ChatBot Workshop conducted by IEDC & KMUG on 06/04/2019 at Insight Hall. The session delivered by #TedX Speaker, Mr. Alok Rajasukumaran. About 30 students from different departments attended the event.



True Copy Attested

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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

Date: 12-03-2019

From

Fepslin Athish Mon S  
(CESA Staff Coordinator)  
Assistant Professor  
Computer Science and Engineering  
Jyothi Engineering College

To

The Principal  
Jyothi Engineering College

**Sub: Request for permission to conduct National Level Workshop on Ethical Hacking -reg**

Respected Sir,

The Computer Engineer Students' Association (CESA) is a computer science and engineering students association which is regularly organising various activities for students in training and providing platform for exhibiting their talents. As per the request from the students, CESA in association with CSI is interested to conduct two days national level workshop on Ethical Hacking.

I hereby kindly requested to grant the permission for the same.

**Resource Person:** Mr. Sai Sathish

**About Resource Person:**

Sai Satish is an young Entrepreneur, Founder & CEO of Indian Servers. Administrator of Andhrahackers (Top hacking awareness forum in INDIA). An Author, A renewed Ethical Hacker & Cyber Security Expert, Microsoft Security Researcher, International Cyber Security trainer. Thousands of college students and professionals got benefited by his lectures which are delivered at 100+ colleges all over the WORLD. He worked as Microsoft Student Partner, Corporate .Net Trainer etc. He was interviewed by Many International, national and regional news channels like Dap News (caombodia), AAJtak, The Hindu, Deccan Chronicle, Zee TV, TV9, NTV, Eenadu, Sakshi etc. He was rewarded by IAS officers for pentesting on govt sites, which helped to them to improve security and safe transactions and Forensic Investigator. Regular speaker at CSI events.

**Proposed Date:** 29<sup>th</sup> & 30<sup>th</sup> March 2019

**Venue:** Room No: EAB 415 & 416

**Expected Participant:** Interested Students (100 Nos)

True Copy Attested

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Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Thiruvuru P.O. - 679 534

*Let me know  
original Native  
and where he is  
hiding now?*



**Proposed Expenses:**

Sl No	Description	Quantity	Amount
1.	Resource Person – Remuneration	2 days	25,000 ✓
2.	Memento	1	500
3.	Resource Person: Food and Accommodation	2 days	6,000 ✓
4.	Resource Person: Travelling	To and from	10,000 ✓
5.	Flex	2	800
6.	Food & Other Refreshments for participants	100 X Rs 150	15,000
7.	Certificate and Poster Printing	-	400
8.	Pen and Notepad	100 X Rs 15	1,500
9.	Miscellaneous		800
<b>Total:</b>			<b>60,000</b>

WR

**Proposed Source of Income**

Sl No	Description	Quantity	Amount
1	Registration fee (CSI Members)	80 X Rs 400	32,000
2	Registration fee (Others)	20 X Rs 500	10,000
3	Computer Society of India (Chapter Account)		10,000
4	Computer Society of India (Professional body Account)		10,000
<b>Total</b>			<b>62,000</b>

If arts fest falls on the same day, participants of JEC needs to give an undertaking, that they have no problem to attend both days programme.

*[Signature]*  
13/3/19

*[Signature]*  
Binesh m  
CSI-coordinator

Yours faithfully  
*[Signature]*  
13/03/19  
Fepslin Athish Mon S

Forwarded to the  
Principal - *[Signature]*  
13/3/2019  
Professor club Coordinator

True Copy Attested

*[Signature]*  
13/3/19

Dr. SUNNY JOSEPH KALAYATHANKAL  
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Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Engineering College

WR  
13/03



**Jyothi**  
Engineering College

Feps

**Thank you**

2 messages

**Sai Satish** <saisatish@indianservers.com>

To: fepslinathishmoris@jecc.ac.in

Thank you very much for confirming event, We (Indian Servers) happy to associate with your campus. We will make our pre Workshop on Cyber Security

Regards,  
SaiSatish

Indian Servers

Mobile: 0-9618-222-220 , 9246478419

<http://www.indianservers.com>

<https://www.facebook.com/IndianServersPage>

<http://www.linkedin.com/company/397878?trk=tyah>

<https://plus.google.com/u/0/112960084179095319001/posts>

**Fepslin Athish Mon S** <fepslinathishmons@jecc.ac.in>

To: Sai Satish <saisatish@indianservers.com>

Thanks a lot.

[Quoted text hidden]

True Copy Attested

*Assured*

**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, Thrissur

## E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING

Organized by CESA & CSI

Topics	Program Schedule
<p><b>Day 1:</b></p> <ul style="list-style-type: none"> <li>• Mobile Hacking</li> <li>• Basics of Hacking</li> <li>• Google dorks</li> <li>• Tor/VPN</li> <li>• De-Compilers</li> <li>• Keyloggers</li> <li>• Phishing</li> <li>• Social Engineering</li> <li>• Trojans</li> </ul>	<p><b>Day: 1</b></p> <p>09.00am to 09.30am Registration</p> <p>09.30am to 10.30am Inauguration</p> <p>10.30am to 10.45 am Break</p> <p>10.45am to 12.30 pm Session: 1</p> <p>12.30pm to 01.45 pm Lunch Break</p> <p>01.45pm to 03.00 pm Session: 2</p> <p>03.00pm to 03.15 pm Break</p> <p>03.15pm to 04.30 pm Session: 3</p>
<p><b>Day 2</b></p> <ul style="list-style-type: none"> <li>• Website Hacking</li> <li>• SQL Injection Attacks</li> <li>• Data tampering</li> <li>• Password Breaking</li> <li>• Choosing Cyber Security as Career</li> </ul>	<p><b>Day: 2</b></p> <p>09.30am to 10.45 am Session: 4</p> <p>10.45am to 11.00 am Break</p> <p>11.00am to 12.45 pm Session: 5</p> <p>12.45am to 01.30 pm Lunch Break</p> <p>01.30pm to 03 .00pm Session: 6</p> <p>03.00pm to 03.15 pm Break</p> <p>03.15pm to 04.30pm Feedback and Valedictory</p>

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

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# JYOTHI ENGINEERING COLLEGE

Cheruthuruthy, Thrissur

## E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING

Organized by CESA & CSI

### Inauguration Schedule

1. Prayer
2. Welcome address : Fr. Dr. A. K. George
3. Presidential address : Rev. Fr. Roy Joseph Vadakan  
Campus Head (Secretary & Assistant Manager)
4. Inauguration & Inaugural address : Fr. Dr. Jaison Paul Mulerikkal CMI  
Principal
5. Introducing resource person : Ms. Bini Maria  
Vice Chair, CESA
6. Resource Person Address : Mr. Sai Satish  
Founder & CEO of Indian Servers.
7. Felicitation : Er. Thomas Mathew  
Administrator  
  
: Er. Boby Peter  
Assistant Administrator
8. Vote of thanks : Mr. Fepslin Athish Mon S  
Assistant Professor, CSE

E-Hack 2019 Begins

True Copy Attested

*asrany*

Dr. SUNNY JOSEPH KALAYATHANKAL  
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PRINCIPAL  
Jyothi Engineering College

# E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING

Organized by CESA CSI

Registration ID	Name	29-03-2019 Fore Noon	29-03-2019 After Noon	30-03-2019 Fore Noon	30-03-2019 After Noon
EH1001	Abdul Naeem Abdul Kareem	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1002	Abubakar N.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1003	Muhammed Raneesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1004	Rashi M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1005	Moji V Shajan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1006	Lakshmi N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1007	Rosemerin Justin	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1008	Senna Mariya Pous	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1009	Vibin Gokul V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1010	Nikita Prem Rizwana Faizal	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1011	Nithin Peter	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1012	Maneesh Manoj	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1013	Sreelakshmi V G	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1014	Mp Adithya Vijayan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1015	Ajmal Basheer	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1016	Flower Mariya	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1017	Joseph Joel C P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1018	Jackso James	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1019	Akhil Mr	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1020	Yashif V S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1021	Reshma Pg	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1022	Rahul M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1023	Sreerag R. Nandan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1024	Adwaith K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Dr. SHANMUGAN JOSEPH KALAYATHANKAL  
 M.Tech, MCA, M.S., M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Vyethi Engineering College

Attested

# E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING  
Organized by CESA CSI

EH1025	Kavya.K				
EH1026	Sanith Jayan				
EH1027	Nitha Hyrin K				
EH1028	Vishnuraj				
EH1029	Sherin Shaju				
EH1030	Sheena K Sasi				
EH1031	Anjana Paul				
EH1032	Shabana Asmi K S				
EH1033	Neha P				
EH1034	Sandra Mariya M Anil				
EH1035	Varsha Babu				
EH1036	Parvathy Mohanakrishnan				
EH1037	Jofiya Sajan				
EH1038	Rohini K R				
EH1039	Aliya Ashraf				
EH1040	Shamil Thomas				
EH1041	Svetlana Bright				
EH1042	Sreya				
EH1043	Rinsy R				
EH1044	Aldroy C R				
EH1045	Joe Jose				
EH1046	Avin Joseph				
EH1047	Jeena Varghese				
EH1048	Sreelakshmi.C				
EH1049	Vishnu V				

Dr. SUNNY JOSEPH KALAYATHILANKAL

M.Tech, MCA, M.Sc, M.Phil, B.Ed

Ph.D (Computer Science), Ph.D (Maths)

Accepted

# E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING

Organized by CESA CSI

EH1050	San Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1051	Roy Eluvathingal	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1052	Sreekanth	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1053	Bivin Babu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1054	Abhijith V J	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1055	M Deepa	M. Deepa	M. Deepa	M. Deepa	M. Deepa
EH1056	Jiya John	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1057	Onnisha Mariya Sunny	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1058	Clement Babu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1059	Abhishek Varghese	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1060	Mujeeb Rahman Pm	Mujeeb	Mujeeb	Mujeeb	Mujeeb
EH1061	Mishana Mohammed	Mishana	Mishana	Mishana	Mishana
EH1062	Eldho Reji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1063	Reshma Prakash	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1064	Maxil Dourave	Maxil	Maxil	Maxil	Maxil
EH1065	Marin Tony	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1066	Namitha George	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1067	Anil Thomas	Anil	Anil	Anil	Anil
EH1068	Abhishek Km	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1069	Akhil Murali	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1070	Abhijith Harinarayanan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1071	Jerin Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1072	Tessa Shyju	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1073	Sandra David	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
EH1074	Teena Joy Pj	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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# E-Hack 2019

TWO DAY NATIONAL WORKSHOP ON ETHICAL HACKING  
Organized by CESA CSI

EH1075	Arunroy Thattil	<i>Arunroy</i>	<i>Arunroy</i>	<i>Arunroy</i>	<i>Arunroy</i>
EH1076	Maria Ann Toms	<i>Maria</i>	<i>Maria</i>	<i>Maria</i>	<i>Maria</i>
EH1077	Liya C George	<i>Liya</i>	<i>Liya</i>	<i>Liya</i>	<i>Liya</i>
EH1078	N Rahul	<i>N Rahul</i>	<i>N Rahul</i>	<i>N Rahul</i>	<i>N Rahul</i>
EH1079	Brindha Vinoj	<i>Brindha</i>	<i>Brindha</i>	<i>Brindha</i>	<i>Brindha</i>
EH1080	Mathews Jose	<i>Mathews</i>	<i>Mathews</i>	<i>Mathews</i>	<i>Mathews</i>
EH1081	Kenas Jose	<i>Kenas</i>	<i>Kenas</i>	<i>Kenas</i>	<i>Kenas</i>
EH1082	Manu Ps	<i>Manu</i>	<i>Manu</i>	<i>Manu</i>	<i>Manu</i>
EH1083	Eljo Joy	<i>Eljo</i>	<i>Eljo</i>	<i>Eljo</i>	<i>Eljo</i>
EH1084	Niva Dileep	<i>Niva</i>	<i>Niva</i>	<i>Niva</i>	<i>Niva</i>
EH1085	Rasmiya C U	<i>Rasmiya</i>	<i>Rasmiya</i>	<i>Rasmiya</i>	<i>Rasmiya</i>
EH1086	Nova Dileep	<i>Nova</i>	<i>Nova</i>	<i>Nova</i>	<i>Nova</i>
EH1087	Nijitha Thomas K	<i>Nijitha</i>	<i>Nijitha</i>	<i>Nijitha</i>	<i>Nijitha</i>
EH1088	Anisha Antony	<i>Anisha</i>	<i>Anisha</i>	<i>Anisha</i>	<i>Anisha</i>
EH1089	Sandra Ps	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>
EH1090	Harikrishnan C J	<i>Harikrishnan</i>	<i>Harikrishnan</i>	<i>Harikrishnan</i>	<i>Harikrishnan</i>
EH1091	Alkesh K Asokan	<i>Alkesh</i>	<i>Alkesh</i>	<i>Alkesh</i>	<i>Alkesh</i>
EH1092	Tedy Thomas	<i>Tedy</i>	<i>Tedy</i>	<i>Tedy</i>	<i>Tedy</i>
EH1093	Edwin T Joy	<i>Edwin</i>	<i>Edwin</i>	<i>Edwin</i>	<i>Edwin</i>
EH1094	Sourav K	<i>Sourav</i>	<i>Sourav</i>	<i>Sourav</i>	<i>Sourav</i>
EH1095	Akhil Krishna Uk	<i>Akhil</i>	<i>Akhil</i>	<i>Akhil</i>	<i>Akhil</i>
EH1096	Sreehari T Anil	<i>Sreehari</i>	<i>Sreehari</i>	<i>Sreehari</i>	<i>Sreehari</i>
EH1097	Sanal Nadh	<i>Sanal</i>	<i>Sanal</i>	<i>Sanal</i>	<i>Sanal</i>
EH1098	Krishna S	<i>Krishna</i>	<i>Krishna</i>	<i>Krishna</i>	<i>Krishna</i>
EH1099	Sandra Elizabeth Jose	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>

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EH1100	Priyanka Harikumar	<i>Priyanka</i>	<i>Priyanka</i>	<i>Priyanka</i>	<i>Priyanka</i>
EH1101	Arjun R	<i>Arjun R</i>	<i>Arjun R</i>	<i>Arjun R</i>	<i>Arjun R</i>
EH1102	Aleena Jogy	<i>Aleena</i>	<i>Aleena</i>	<i>Aleena</i>	<i>Aleena</i>
EH1103	Geethu M A	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>	<i>Geethu</i>
EH1104	Aravind Raj R	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>
EH1105	Emily Maria Thomas	<i>Emily</i>	<i>Emily</i>	<i>Emily</i>	<i>Emily</i>
EH1106	An Maria Shajan	<i>An Maria</i>	<i>An Maria</i>	<i>An Maria</i>	<i>An Maria</i>
EH1107	Angel Andrews K	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>	<i>Angel</i>
EH1108	Andria George	<i>Andria</i>	<i>Andria</i>	<i>Andria</i>	<i>Andria</i>
EH1109	Anagha Saji	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>
EH1110	Sam	<i>Sam</i>	<i>Sam</i>	<i>Sam</i>	<i>Sam</i>
EH1111	K S Sushmith Karun	<i>K S Sushmith</i>	<i>K S Sushmith</i>	<i>K S Sushmith</i>	<i>K S Sushmith</i>
EH1112	Renin K Joy	<i>Renin K Joy</i>	<i>Renin K Joy</i>	<i>Renin K Joy</i>	<i>Renin K Joy</i>
EH1113	Akhilesh T R	<i>Akhilesh</i>	<i>Akhilesh</i>	<i>Akhilesh</i>	<i>Akhilesh</i>
EH1114	Glady Jose	<i>Glady Jose</i>	<i>Glady Jose</i>	<i>Glady Jose</i>	<i>Glady Jose</i>
EH1115	Anu John	<i>Anu John</i>	<i>Anu John</i>	<i>Anu John</i>	<i>Anu John</i>
EH1116	Chinju P Bijoy	<i>Chinju P Bijoy</i>	<i>Chinju P Bijoy</i>	<i>Chinju P Bijoy</i>	<i>Chinju P Bijoy</i>
EH1117	V Bhavna Krishna	<i>V Bhavna Krishna</i>	<i>V Bhavna Krishna</i>	<i>V Bhavna Krishna</i>	<i>V Bhavna Krishna</i>
EH1118	Simoniya Pv	<i>Simoniya Pv</i>	<i>Simoniya Pv</i>	<i>Simoniya Pv</i>	<i>Simoniya Pv</i>
EH1119	Sreegovind S	<i>Sreegovind S</i>	<i>Sreegovind S</i>	<i>Sreegovind S</i>	<i>Sreegovind S</i>
EH1120	Alida P. A	<i>Alida P. A</i>	<i>Alida P. A</i>	<i>Alida P. A</i>	<i>Alida P. A</i>

HARIKRISHNAN K R

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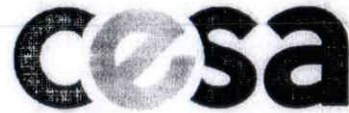
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## E-HACK 2019

# Certificate of Participation

This is to certify that Mr/Ms \_\_\_\_\_ has completed Workshop on 'Ethical Hacking' held on 29<sup>th</sup> and 30<sup>th</sup> March 2019 at Jyothi Engineering College, Thrissur jointly organized by CSI Student Chapter - JECC and Computer Engineering Students Association.



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*[Signature]*  
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Cheruthuruthy, P.O. - 679521  
FR. ROY JOSEPH VADARKKAN  
SECRETARY & ASST. MANAGER

SBC  
CSI - JECC

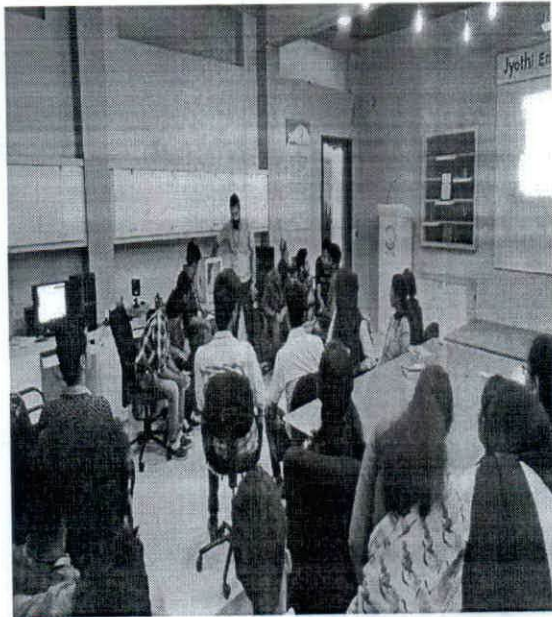
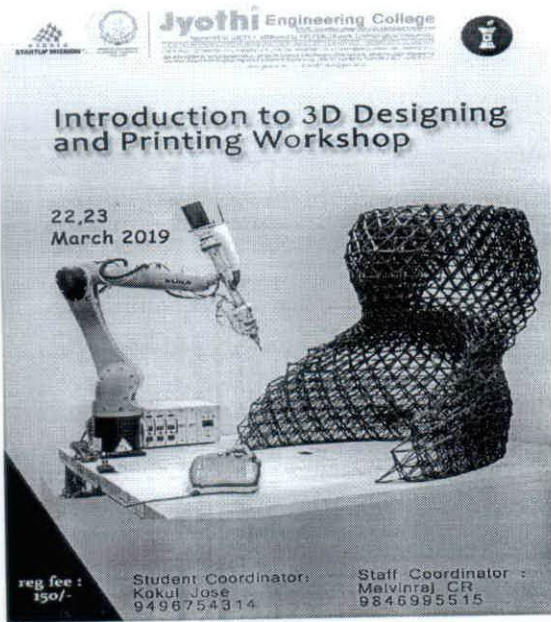
SAI SATISH D.  
CEO, INDIAN SERVERS

FR. DR. JAISON PAUL MULERIKKAL CMI  
PRINCIPAL

## Introduction to 3D Designing and Printing

Date: 22/03/2019 & 23/03/2019

Venue:  
CAM  
Lab,  
FabLab



IEDC of Jyothi Engineering College organized a workshop on "Introduction to 3D Designing and Printing". Mr. Shijin of ME department was the Resource Person. It was conducted in the CAD Lab on 22nd Friday 1:30pm to 4:30pm and on 23rd Saturday 9:30am to 12:45pm at FabLab of our College. It was fully a hands-on sessions for the students.



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## TECHNICAL CONCLAVE2019

Date: 25/02/19 & 26/02/19

Venue: Pooram International,  
Thrissur



Technical Conclave 2019 conducted in Pooram International Hotel, organized by MSME & District Industries Center, Thrissur on 25/02/2019 & 26/02/2019. The projects from Jyothi Engineering College for Technical Conclave were the following 1. Brailleon- A low cost Braille Printer(Palatty Jeswin Joseph (ECE) & Bernad Boban (ME)) 2. CRYO E TOILET (Alfred Babu, Gopi Krishna & Arun Raj of S8 CE) 3. Speed Limiter(Amal Prem, Harikrishna, Jain Jhonson, Delma Davis of S8 CSE). Brailleon- A low cost Braille Printer got Second prize in the Event.

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*[Signature]*  
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Assistant Professor (Maths)  
Jyothi Engineering College  
Thrissur, PIN 679 010

## IoT WORKSHOP

Date: 20/02/19 & 21/02/19

Venue: ICT Academy Learning Centre, Infopark, Koratty



“IoT workshop” which was organized by ICT Academy of Kerala in association with KSUM on 20<sup>th</sup> and 21<sup>st</sup> February 2019 at ICT Academy Learning Centre, Infopark, Koratty. From our college the following students were participated.

1. Arjun S, S6 EEE
2. Mohammed Ashik, S6EEE
3. Varun Vincent, S6 CSE
4. Anand Murali, S6CSE
5. Abhishek SunilKumar S6 ME

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- 6. Abel Tomy S6 ME
- 7. Vishnu P.C. S6 ME

**ON BOARD QUIZ**

**Date: 19<sup>th</sup> -22<sup>nd</sup> Feb 2019**

**Venue: JECC**



The Computer Engineering Students Association(CESA) in association with IEDC conducted "ON BOARD QUIZ" for all the students from 19<sup>th</sup> -22<sup>nd</sup> Feb 2019. The event was inaugurated by Rev.Fr. Roy Joseph Vadakkan, Campus Head, JEC in the presence of Fr. Dr. Jaison Paul Mulerikkal CMI, Principal & Fr.Dr. A.K. George, HoD, CSE.



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*Sunny*

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From

Soumya C

AP ,MR Dept.

Add-On-Course in Charge

To

Principal

JECC

Sub : Request to get sanction to conduct add-on course

Respected Sir,

The add-on- course in MATLAB Programming for Beginners for this academic year is scheduled from 16<sup>th</sup> Feb 2019 to 23<sup>rd</sup> March 2019. The Resource person for the course is Ms. Nyni K A .As per the instruction from the principal and management, every Saturday will be utilized for the same.

I kindly request you grant us the permission for conducting the add-on-courses.

Thanking you,

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11/02/2019

Cheruthuruthy

Yours faithfully

*Soumya*  
Soumya C

*Am*  
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Engineering College  
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Approved  
Prof. Ratan. P



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## DEPARTMENT OF MR- ADD-ON COURSE SCHEDULE

ADD-ON COURSE	DATE & DAY	HOURS ALLOTTED	VENUE
MATLAB Programming for Beginners	16/02/2019(SATURDAY)	1 to 6th Hour	SS Lab/Project Lab
	23/02/2019(SATURDAY)	1 to 6th Hour	
	02/03/2019(SATURDAY)	1 to 6th Hour	
	16/03/2019(SATURDAY)	1 to 6th Hour	
	23/03/2019(SATURDAY)	1 to 6th Hour	

Total Hours

30

*Soumya C*  
Staff In-Charge  
Ms. Soumya C

*J. Joseph*  
HOD/MR

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## MATLAB Programming for Beginners

Eligible for: S4&MR/ECE/EEE

### ADD ON COURSE

The course will give the fundamental knowledge and practical abilities in MATLAB required to effectively utilize this tool in technical numerical computations and visualisation in other courses. MATLAB is a very popular language for technical computing used by students, engineers, and scientists in universities, research institutes, and industries all over the world. The software is popular because it is powerful and easy to use, and it has a great number of tools, built in functions and simulation windows which can be used for many applications in many fields.

#### Course Objective

1. To impart the knowledge to the students with MATLAB software.
2. To provide a working introduction to the MATLAB technical computing environment.
3. To introduce students the use of a high-level programming language, MATLAB.

#### Course Outcome

On successful completion of the course, the students should be able to

1. Understand the fundamental computer programming concepts such as variables, control structures, functions, data types and how to handle them in MATLAB.
2. Understand the main features of the MATLAB program development environment to enable their usage in the higher learning.
3. They shall learn a great number of MATLAB commands and how to use them in programming and in many applications in Mathematics.
4. They shall be able to write a MATLAB script and create a useful functions to be used later in another mathematical subject.

#### Skills Required

- C Programming, Basics of Engineering Mathematics

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Principal

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## STARTING WITH MATLAB

(7 Hours)

Starting MATLAB, MATLAB windows - working in the command window - arithmetic operations with scalars - display formats - Elementary math built-in functions- Defining scalar variables - Useful commands for managing variables - Script files - Examples of MATLAB applications.

## CREATING ARRAYS

(4 Hours)

Creating a one-dimensional array (vector) -Creating a two-dimensional array (matrix) - Notes about variables in MATLAB - The transpose operator - Array addressing - Using a colon : in addressing arrays - Adding elements to existing variables - Deleting elements - Built-in functions for handling arrays -Strings and strings as variables-Problems

## MATHEMATICAL OPERATIONS WITH ARRAYS

(3 Hours)

Addition and Subtraction -Array multiplication -Array division -Element-by-element operations-Using arrays in MATLAB built-in math functions -Built-in functions for analyzing arrays-Generation of random numbers -Examples of MATLAB applications -Problems

## TWO-DIMENSIONAL PLOTS

(4 Hours)

The plot command -The fplot command -Plotting multiple graphs in the same plot - Formatting a plot -Plots with error bars -Plots with special graphics -Histograms -Polar plots -Plotting multiple plots on the same page -Multiple figure windows -Examples of MATLAB applications -Problems.

## USER-DEFINED FUNCTIONS AND FUNCTION FILES

(2 Hours)

Creating a function file -Structure of a function file- Saving a function file- Using a user-defined function- Examples of MATLAB applications- Problems.

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## PROGRAMMING IN MATLAB

(3 Hours)



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Relational and logical operators - Conditional statements - The switch-case statement - Loops -Nested loops and nested conditional statements -The break and continue commands - Examples of MATLAB applications-Problems.

## POLYNOMIALS, CURVE FITTING, AND INTERPOLATION (2 Hours)

Polynomials- Curve fitting - Interpolation – Problems.

## SYMBOLIC MATH (4 Hours)

Solving algebraic equations – Differentiation – Integration - Solving an ordinary differential equation-Problems.

### Reference:

- [1] Gilat, Amos, 2008, “MATLAB An Introduction With Applications”, 3rd Ed., JOHN WILEY & SONS, INC. , USA .
- [2] Hunt, Brian R. & others, 2001, “A Guide to MATLAB for Beginners and Experienced Users”, Cambridge University Press, USA.
- [3] McMahan, David, 2007, ”MATLAB Demystified”, The McGraw-Hill Companies, USA.
- [4] Davis, Timothy A. & Sigmon, Kermit, 2007, “MATLAB Primer”, 7th Ed., Chapman & Hall/CRC, USA.

### COURSE PLAN (30 HOURS MANDATORY)

Sl. No.	Topics to be covered	Hour
1	Starting MATLAB, MATLAB Windows.	1
2	Working in the Command Window.	2
3	Arithmetic Operations With Scalars, Display Formats.	3
4	Elementary Math Built-In Functions, Problems.	5
5	Defining Scalar Variables, Useful Commands for Managing Variables.	6
6	Script Files, Examples of MATLAB Applications.	7

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7	Creating a One-Dimensional Array (Vector), Creating a Two-Dimensional Array (Matrix), Notes About Variables in MATLAB.	8
8	The Transpose Operator, Array Addressing, Using A Colon : In Addressing Arrays.	9
9	Adding Elements to Existing Variables, Deleting Elements, Built-In Functions For Handling Arrays.	10
10	Strings and Strings as Variables, Problems	11
11	Addition and Subtraction, Array Multiplication, Array Division.	12
12	Element-by-Element Operations, Using Arrays in MATLAB Built-in Math Functions, Built-In Functions for Analyzing Arrays, Generation of Random Numbers.	13
13	Examples of MATLAB Applications & Problems.	14
14	The pplot Command, The fplot Command, Plotting Multiple Graphs In The Same Plot.	15
15	Formatting a Plot.	16
16	Plots With Error Bars, Plots With Special Graphics, Histograms, Polar Plots, Plotting Multiple Plots on The Same Page, Multiple Figure Windows.	17
17	Examples of MATLAB Applications & Problems.	18
18	Creating a Function File, Structure of a Function File, Saving a Function File, Using a User-Defined Function.	19
19	Examples of MATLAB Applications & Problems.	20
20	Relational and Logical Operators, Conditional Statements, The Switch-Case Statement.	21
21	Loops : Nested Loops and Nested Conditional Statements, The Break And Continue Commands.	22
22	Examples of MATLAB Applications, Problems.	23
23	Polynomials	24
24	Curve Fitting , Interpolation, Problems	25
25	Solving Algebraic Equations	26
26	Integration	27

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 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)



# Jyothi Engineering College

Approved by AICTE & affiliated to APJ Abdul kalam Technological University

A LIST OF EXCELLENCE IN SCIENTIFIC TECHNOLOGY BY THE NATIONAL INSTITUTE OF TECHNOLOGY  
 JYOTHI HILLS, VEDURUTHY P.O., CHERUTHURUTHY, TRISSUR, PIN-679531, PH. NO: 4684 269900, 234473 FAX: 04684 274777  
 NBA Accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering. Valid for the academic year 2014-15, 2015

www.jyee.ac.in Email: info@jyee.ac.in

27	Differentiation	28
28	Solving an Ordinary Differential Equation	29
29	Exam	30

### COURSE OUTCOMES VS PO MAPPING:

SLNo	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	3	2	1		2				2			1
C02	3	3	3	2	2		1		2			1
C03	2	3	3	3	2				2			1
C04	2	3	3	3	2				2			1
Avg	2.5	2.75	2.5	2	2		1		2			1

True Copy Attested

*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

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

DEPARTMENT OF MR-ADD-ON COURSE-Attendance List

COURSE NAME: Matlab Programming for Beginners

Sl No:	Register Number	Name	Signature				
			Day 1	Day 2	Day 3	Day 4	Day 5
1	JEC17MC001	ABHISHEK N	✓	✓	✓	✓	✓
2	JEC17MC003	AJAY O U	✓	✓	✓	✓	✓
3	JEC17MC004	AJIN JASTIN O	✓	✓	✓	✓	X
4	JEC17MC005	AJIN M G	✓	✓	✓	✓	✓
5	JEC17MC006	AKHILESH K S	✓	✓	✓	✓	✓
6	JEC17MC007	ALLEN JOSE JAMES	✓	✓	✓	✓	✓
7	JEC17MC011	ANNA MARIYA ROCKY	✓	✓	✓	✓	✓
8	JEC17MC012	ANSON C JOSE	✓	✓	✓	X	✓
9	JEC17MC013	ARJUN V S	✓	✓	✓	✓	X
10	JEC17MC017	ELWIN SHAJU	✓	✓	✓	✓	✓
11	JEC17MC018	GODWIN VADAKKAN DAVIS	✓	✓	✓	✓	✓
12	JEC17MC019	GREESHMA JOHN	✓	✓	✓	✓	✓
13	JEC17MC020	HAMRAS MOHAMMED	✓	✓	X	✓	✓
14	JEC17MC022	LEEN DAVID P B	✓	✓	✓	✓	✓
15	JEC17MC025	NIKHIL SAJAN	X	✓	✓	✓	✓
16	JEC17MC027	NITHINRAJ C	✓	✓	✓	✓	✓
17	JEC17MC028	RIJU T R	✓	✓	✓	✓	✓
18	JEC17MC038	SREEKANTH M P	✓	✓	✓	✓	✓
19	JEC17MC039	SREERAJ M	✓	✓	✓	✓	✓
20	JEC17MC040	VAISAKH N S	✓	✓	✓	✓	✓
21	JEC17EE001	ABDUL HASEEB	✓	✓	✓	✓	✓
22	JEC17EE002	ABHIJITH M P	✓	✓	✓	✓	X
23	JEC17EE003	ABHIJITH T	✓	✓	✓	✓	✓
24	JEC17EE004	AJIL JAISON C	✓	✓	✓	✓	✓
25	JEC17EE005	ALEN MATHEWS	✓	✓	✓	✓	✓
26	JEC17EE006	ALEX ALBERT	✓	✓	✓	✓	✓
27	JEC17EE007	AMRITHA ASHOK K	✓	✓	✓	✓	X
28	JEC17EE008	ANITTA SAVY	✓	✓	✓	✓	✓
29	JEC17EE009	ANJANA A	✓	✓	✓	✓	✓
30	JEC17EE013	ARJUN A R	✓	✓	✓	✓	✓
31	JEC17EE015	ARTHANA P	✓	✓	✓	✓	✓
32	JEC17EE019	HENSA MERIN BABU	✓	✓	✓	✓	✓
33	JEC17EE023	KAPILDEV M K	✓	X	✓	✓	✓
34	JEC17EE025	K U MANSOOR	✓	✓	✓	✓	✓
35	JEC17EE026	KUNNATH RAHUL	✓	✓	✓	✓	✓

DR. SUNNY JOSEPH KALAYATHANKAL  
 M.Tech, MCA, M.Sc. M.Phil.  
 Ph.D. (Computer Science)  
 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O.-679 241

True Copy Attested

Dr. SUNNY JOSEPH KALAYATHANKAL

DEPARTMENT OF MR-ADD-ON COURSE-Attendance List

COURSE NAME: Matlab Programming for Beginners

Sl No:	Register Number	Name	Signature				
			Day 1	Day 2	Day 3	Day 4	Day 5
36	JEC17EE036	SAHAL K H	✓	✓	✓	✓	✓
37	JEC17EE037	SANDRA S	✓	✓	✓	✓	✓
38	JEC17EE038	SANIL M LAZAR	✓	✓	✗	✓	✓
39	JEC17EE039	SIJO DAVIS	✓	✓	✓	✓	✓
40	JEC17EC001	ABHIJITH SURESHKUMAR MENON	✓	✓	✓	✓	✓
41	JEC17EC002	AKHILA V	✓	✓	✓	✓	✓
42	JEC17EC003	ALBIN FREDY	✗	✓	✓	✓	✓
43	JEC17EC004	ALIN ROS DAVID	✓	✓	✓	✓	✓
44	JEC17EC005	AMMUMOL JOSEPH	✓	✓	✓	✓	✓
45	JEC17EC007	ANITTA MARIYA V S	✓	✓	✓	✓	✓
46	JEC17EC008	ANJANA SIVAPRAKASH N A	✓	✓	✓	✓	✓
47	JEC17EC009	ANJU SIMON E	✓	✓	✓	✓	✓
48	JEC17EC010	ANSA KURIAKOSE	✓	✓	✓	✓	✓
49	JEC17EC012	ARUN A S	✓	✓	✓	✗	✓
50	JEC17EC016	ATHIRA MANIKANDAN	✓	✓	✓	✓	✓
51	JEC17EC022	EDWIN JOHN	✗	✓	✓	✓	✓
52	JEC17EC024	GANGA NANDAKUMAR	✓	✓	✓	✓	✓
53	JEC17EC033	JOSHWA TONY	✓	✓	✓	✓	✓
54	JEC17EC034	J PREETHI	✓	✓	✓	✓	✓
55	JEC17EC043	PADMA PRIYA	✓	✓	✓	✓	✓
56	JEC17EC045	RAMSANKAR A	✓	✓	✓	✗	✓
57	JEC17EC047	ROHITH P V	✓	✓	✓	✗	✓

True Copy Attested

*Joseph*

*amms*  
 Dr. SUNNY JOSEPH KALAYATHANKAL  
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 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O.-679 531



# Jyothi Engineering College

AACSB Accredited College with Accredited Programmes\*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE UNIVERSITY OF MADRAS

JYOTHI HILLS, VETTIKATTIRIP O, CHERUTHURUTHY, THRISSUR, PIN-679531. PH: +91 4884 259000, 274423. FAX: 04884 274777



## CERTIFICATE OF COMPLETION

This certifies that

### ANJANA A

has successfully completed the add-on course on "MATLAB Programming For Beginners" conducted by Jyothi Engineering College, Cheruthuruthy during 2018-2019.

Jyothi Engineering College  
Cheruthuruthy P.O.-679 531

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

COURSE COORDINATOR

PRINCIPAL

SECRETARY & CAMPUS HEAD

True Copy Attested

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

N.A.A.C. Accredited College with Accredited Programmes

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University  
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE U.S. HOUSE OF REPRESENTATIVES  
JYOTHI HILLS, VETTIKATTIPURAM, CHERUTHURUTHY, THIRISSUR, PIN-679531. TEL: +91 4884 255000 274423 FAX: 04884 274777



## CERTIFICATE OF COMPLETION

This certifies that

### RAMSANKAR A

has successfully completed the add-on course on "MATLAB Programming for Beginners" conducted by Jyothi Engineering College, Cheruthuruthy during 2018-2019.

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., Thirissur, Kerala  
Sunny

True Copy Attested

*Signature of Principal*

COURSE COORDINATOR

PRINCIPAL

SECRETARY & CAMPUS HEAD

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 of Secretary & Campus Head*



# Jyothi Engineering College

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University  
MCA, M.Tech, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)  
Cheruthuruthy P.O. 679 551

## ADD-ON COURSE FEEDBACK FORM

Topic Title: MATLAB Programming for Beginners

Participant's Name (optional):

### THE DESIGN OF THE COURSE

	strongly agree	Agree	Neutral	Disagree	Strongly Disagree
1 Whether objectives of the course clear to you ?	✓				
2 Does the course content meet to your expectations?	✓				
3 Was the lecture sequence well planned?	✓				
4 Whether the level of the course was satisfactory?	✓				
5 Did the course exposed you to new knowledge and practices?	✓				
6 Will you recommend this course to your classmates?	✓				
<b>CONDUCT OF THE COURSE</b>					
1 Was the lecture clear and easy to understand?	✓				
2 Were the teaching aids used effectively ?	✓				
3 Whether the course materials handed over was adequate?	✓				
4 Whether the instructors encouraged interactions and was helpful?	✓				

Are you satisfied with the timing & schedule followed for the course ?

Y                      N

Any other comments to improve the course :

**True Copy Attested**

Please give overall rating for the course (OUT OF 5)

*Sunny*

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

'We appreciate your help in evaluating this program'

*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. 679 551



# Jyothi Engineering College

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University  
Jyothi Engineering College, Cheruthuruthy, P.O. - 686503, Kerala, India  
www.jyothicollege.ac.in

## ADD-ON COURSE FEEDBACK FORM

Topic Title: MATLAB Programming for Beginners

Participant's Name (optional):

### THE DESIGN OF THE COURSE

	strongly agree	Agree	Neutral	Disagree	Strongly Disagree
1 Whether objectives of the course clear to you ?	✓				
2 Does the course content meet to your expectations?		✓			
3 Was the lecture sequence well planned?		✓			
4 Whether the level of the course was satisfactory?	✓				
5 Did the course exposed you to new knowledge and practices?	✓				
6 Will you recommend this course to your classmates?	✓				

### CONDUCT OF THE COURSE

1 Was the lecture clear and easy to understand?		✓			
2 Were the teaching aids used effectively ?	✓				
3 Whether the course materials handed over was adequate?	✓				
4 Whether the instructors encouraged interactions and was helpful?	✓				

Are you satisfied with the timing & schedule followed for the course ?

Y  N

Any other comments to improve the course :

True Copy Attested

Please give overall rating for the course

*(Signature)*  
 Dr. SUNNY JOSEPH KALAYATHANKAN  
 M.Tech, MCA, M.Sc, M.Phil,  
 Ph.D (Computer Science), Ph.D (Maths)  
 Jyothi Engineering College  
 Cheruthuruthy P.O.

4

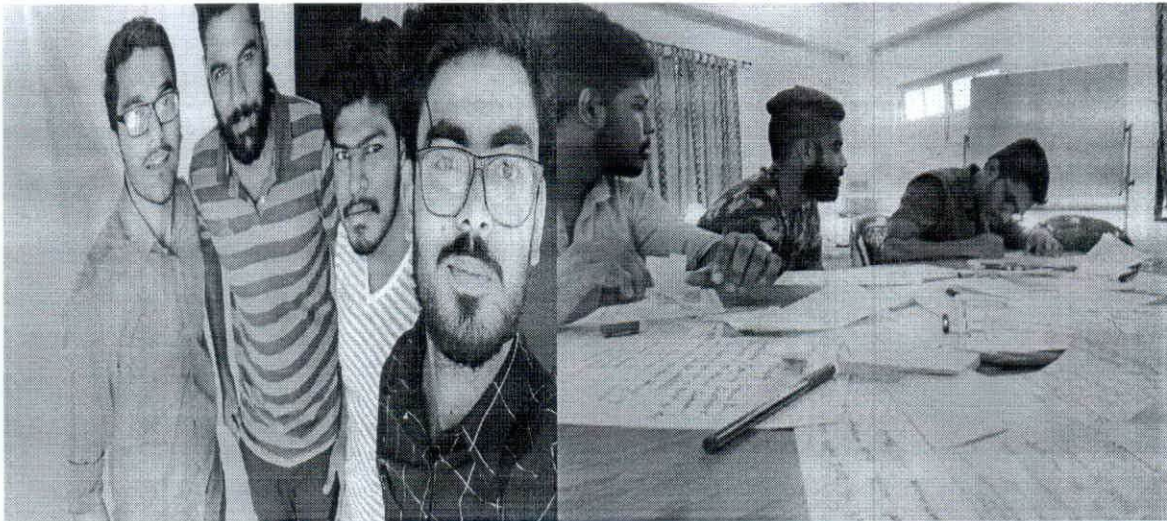
'We appreciate your help in evaluating this program'

*(Signature)*  
 Dr. SUNNY JOSEPH KALAYATHANKAN  
 M.Tech, MCA, M.Sc, M.Phil, B.Ed  
 Ph.D (Computer Science), Ph.D (Maths)  
 PRINCIPAL  
 Jyothi Engineering College

## DESIGN THINKING WORKSHOP

Date: 13<sup>th</sup> and 14<sup>th</sup> February 2019

Venue: Thejus Engineering College,  
Thrissur



“Design thinking workshop” which was organized by ICT Academy of Kerala in association with KSUM on 13th and 14th February 2019 at Thejus Engineering College, Thrissur. From our college the following students were participated.

1. Kokul Jose S6, CSE
2. Anirudh C H S6, CE
3. Muhammed Ashiq Maqbool S6, CSE
4. Fredin Joy K S6, CE

True Copy Attested

*Sunny*  
Dr. SUNNY JOSEPH KALAYATHANKAL  
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Ph.D (Computer Science), Ph.D (Maths)  
PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

09-11-2018

Jyothi Engineering College

From

Fepslin Athish Mon S  
(CESA Staff Coordinator)  
Assistant Professor  
Computer Science and Engineering  
Jyothi Engineering College

To

The Principal  
Jyothi Engineering College

Respected Sir,

Sub: Permission to conduct evening short term course from 14<sup>th</sup> to 16<sup>th</sup> November 2018- reg.

As per the permission we received earlier, we are planning to conduct the 3 days Add-on short term courses from 14<sup>th</sup> to 16<sup>th</sup> November on the following topics

1. Website Design
2. Machine Learning
3. Arduino Programming
4. Mobile Servicing

Details:

Total Registration: 84 Students

Selected for courses based on FCFS: 57 Students

1. Website Design - 15 Students
2. Machine Learning - 14 Students
3. Arduino Programming - 10 Students
4. Mobile Servicing - 18 Students

Venue: CSE Lab & Class Rooms

Time: 4.45pm to 5.45pm

I hereby humbly request you to grant permission for utilizing college resources for the same.

Thanking You

Yours Faithfully,

Fepslin Athish Mon S

True Copy Attached

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

*[Handwritten signature]*  
2/11/18

*[Handwritten signature]*  
2/11/18

*[Handwritten signature]*

25-10-2018

Jyothi Engineering College

From

Fepslin Athish Mon S  
(CESA Staff Coordinator)  
Assistant Professor  
Computer Science and Engineering  
Jyothi Engineering College

To

The Principal  
Jyothi Engineering College

Respected Sir,

Sub: Permission to conduct 3 days evening short term course - reg.

The CESA, student's association of CSE is actively organizing various events for the benefit of students and showcase their talents. As a platform for improve student's technical skills, the students are interested in organizing 3 days evening short term courses in association with Computer Society of India (CSI) in the following areas.

1. Website Design
2. Machine Learning
3. System Servicing
4. Arduino Programming
5. Mobile Servicing

Target Audience: Interested Students (All department)

Maximum candidates for a course: 15

Proposed Dates: 07, 08, 09 November 2018

Proposed Time: 4.45pm to 5.45pm

Proposed Venue: CSE department Laboratories

I humbly request you to grant permission for the same.

Thanking You

*Recommended*  
*AKL*  
*25/10/18*

*To Principal/HOD*  
*Permitted with the condition that no financial commo involvement is permitted.*  
*AKL*  
*25/10*

True Copy Attested

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

*Good. Please proceed.*  
*[Signature]*

Yours Faithfully,

*[Signature]*  
25/10/2018  
Fepslin Athish Mon S

Forwarded to the Principal - *[Signature]*  
25/10/18

# Jyothi Engineering College

CESA | CSI

## Add-on Short Term Course

### List of Registered Students

Sl No:	Name	Batch	Course Registered
1	Muhammad Ashiq Maqbool	S5 CSE B	Web Design
2	Sreelakshmi V G	S5 CSE B	Machine Learning
3	Robin joshey	S5 ME B	Ardino
4	Deepak.K.V	S3 CSE A	Mobile Maintenance
5	Divya shibu	S5 CSE A	Web Design
6	Anjali Anne Prathap	S3 CSE A	Web Design
7	Maneesh Manoj	S3 CSE B	Mobile Maintenance
8	Antony David	S5 CSE A	Machine Learning
9	San jose	S3 CSE B	Mobile Maintenance
10	Adwaith K V	S5 CSE A	Machine Learning
11	Eldho Reji Philip	S5 CSE A	Machine Learning
12	Elsa Rose	S5 CSE A	Machine Learning
13	ANJO JOSEPH P	S5 ME A	Ardino
14	Jisna Joby	S5 CSE A	Web Design
15	Akhil v	S5 CSE A	Ardino
16	AKHIL MR	S3 CSE A	Ardino
17	Abhishek	S5 ME B	Web Design
18	AYISHA ABDUL RAVOOF	S5 CSE A	Web Design
19	Rashi M	S3 CSE B	Web Design
20	Shilpa Sivadas	S3 CSE B	Web Design
21	Amala Maria Nelson	S3 CSE A	Web Design
22	Anju Vincent	S3 CSE A	Web Design
23	Anagha Merin Sen	S5 CSE A	Web Design
24	Nair Anjali	S3 CSE B	Web Design
25	Agna e a	S5 CSE A	Web Design
26	Catherine lenette	S5 CSE A	Web Design
27	Aloysius Leslie Jacob	S5 CSE A	Mobile Maintenance
28	Amal	S3 CSE A	Mobile Maintenance
29	Abel Antoo	S7 ME A	Machine Learning
30	Archana CK	S3 CSE A	Web Design
31	SAHAL K H	S3 EEE A	Ardino
32	Arya Girish	S5 CSE A	Web Design

Dr. JOSEPH KALAYATHANKAL  
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 Cheruthuruthy, P.O. 679 541

Copy Attested

# Jyothi Engineering College

CESA | CSI

## Add-on Short Term Course

### List of Registered Students

SI No:	Name	Batch	Course Registered
1	Muhammad Ashiq Maqbool	S5 CSE B	Web Design
2	Sreelakshmi V G	S5 CSE B	Machine Learning
3	Robin joshey	S5 ME B	Ardino
4	Deepak.K.V	S3 CSE A	Mobile Maintenance
5	Divya shibu	S5 CSE A	Web Design
6	Anjali Anne Prathap	S3 CSE A	Web Design
7	Maneesh Manoj	S3 CSE B	Mobile Maintenance
8	Antony David	S5 CSE A	Machine Learning
9	San jose	S3 CSE B	Mobile Maintenance
10	Adwaith K V	S5 CSE A	Machine Learning
11	Eldho Reji Philip	S5 CSE A	Machine Learning
12	Elsa Rose	S5 CSE A	Machine Learning
13	ANJO JOSEPH P	S5 ME A	Ardino
14	Jisna Joby	S5 CSE A	Web Design
15	Akhil v	S5 CSE A	Ardino
16	AKHIL MR	S3 CSE A	Ardino
17	Abhishek	S5 ME B	Web Design
18	AYISHA ABDUL RAVOOF	S5 CSE A	Web Design
19	Rashi M	S3 CSE B	Web Design
20	Shilpa Sivadas	S3 CSE B	Web Design
21	Amala Maria Nelson	S3 CSE A	Web Design
22	Anju Vincent	S3 CSE A	Web Design
23	Anagha Merin Sen	S5 CSE A	Web Design
24	Nair Anjali	S3 CSE B	Web Design
25	Agna e a	S5 CSE A	Web Design
26	Catherine lenette	S5 CSE A	Web Design
27	Aloysius Leslie Jacob	S5 CSE A	Mobile Maintenance
28	Amal	S3 CSE A	Mobile Maintenance
29	Abel Antoo	S7 ME A	Machine Learning
30	Archana CK	S3 CSE A	Web Design
31	SAHAL K H	S3 EEE A	Ardino
32	Arya Girish	S5 CSE A	Web Design
33	Aleena Thankachen	S5 CSE A	Web Design

Dr. SUNNY JOSEPH KALAYATHANKAL

Ph.D., MCA, M.Sc., M.Phil., B.Ed

Ph.D. (Computer Science), Ph.D. (Maths)





Sl No:	Name	Batch	Course Registered
71	Abhijith E Morries	S3 CSE A	Web Design
72	Brisjin Babu	S3 ME A	Web Design
73	Nithin pv	S3 CSE B	Mobile Maintenance
74	Mohamed Saajid K M	S5 CSE B	Web Design
75	Viju Valsan A	S5 CSE B	Web Design
76	Teena David	S5 CSE B	Web Design
77	KAPILDEV M K	S3 EEE A	Machine Learning
78	JOE JOSE	S5 CSE A	Web Design
79	Joshna Johnson	S3 CSE B	Mobile Maintenance
80	NITHIN P.V	S3 CSE B	Mobile Maintenance
81	SRUTHI ELSA SHAJI	S3 CSE B	Web Design
82	SANGEETHA CP	S3 CSE B	Web Design
83	STEPHY AKKARA	S3 EEE A	Machine Learning

True Copy Attested

*Sunny*

Dr. SUNNY JOSEPH KALAYATHANKAL  
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PRINCIPAL  
Jyothi Engineering College  
Cheruthuruthy P.O.-679 531

**Jyothi Engineering College**  
**CESA | CSI**  
**Add-on Short Term Course - MACHINE LEARNING**

**List of Selected Students for course**

SI No:	Name	Batch	Email ID
1	Sreelakshmi V G	S5 CSE B	sreelakshmi.3300@gmail.com
2	Antony David	S5 CSE A	antonydavid0008@gmail.com
3	Adwaith K V	S5 CSE A	adwaith1998kv@gmail.com
4	Eldho Reji Philip	S5 CSE A	eldhorejiphilip7@gmail.com
5	Elsa Rose	S5 CSE A	elsakalliath@gmail.com
6	Abel Antoo	S7 ME A	abelantoo@gmail.com
7	Induja	S5 ECE A	indujanimroz@gmail.com
8	Meera PM	S5 CSE B	meeramanikandan45@gmail.com
9	M Deepa	S3 CSE B	deepa1999menon@gmail.com
10	Joseph Joel C.P	S3 CSE B	josephjoel009@gmail.com
11	Eljo joy	S3 CSE A	eljocj53@gmail.com
12	Arnold Manuel Joseph	S3 CSE A	arnoldmanuel99@gmail.com
13	KAPILDEV M K	S3 EEE A	kapildevmk505@gmail.com
14	STEPHY AKKARA	S3 EEE A	stephyakkara@gmail.com

True Copy Attested  
*[Signature]*

Dr. SUNNY JOSEPH KALAYATHANKAL  
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Jyothi Engineering College  
Cheruthuruthy P.O. - 679 531

# Jyothi Engineering College

CESA | CSI

## Add-on Short Term Course - ARDUINO PROGRAMMING

### List of Selected Students for course

Sl No:	Name	Batch	Email ID
1	Robin joshey	S5 ME B	robinjoshey2016@gmail.com
2	ANJO JOSEPH P	S5 ME A	anjoperumadan@gmail.com
3	Akhil V	S5 CSE A	akhilvellatheery005@gmail.com
4	AKHIL MR	S3 CSE A	akhilaki322@gmail.com
5	SAHAL K H	S3 EEE A	sahalkhamza123@gmail.com
6	SREERAG R NANDAN	S3 CSE B	sreeragraghunandan@gmail.com
7	Harith Harinarayanan	S5 ME A	harith.me16@jecc.ac.in
8	Eldho Reji Philip	S5 CSE A	Eldhorejiphilip7@gmail.com
9	Rinas fathima	S3 ECE A	rinasfathima1998@gmail.com
10	JOHNS MALIYEKAL	S5 ME A	johns.me16@jecc.ac.in

True Copy Attested

*Romy*

Dr. SUNNY JOSEPH KALAYATHANKAL  
M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science, Ph.D. (Voc))  
JECC, JYOTHI  
Jyothi Engineering College

# Jyothi Engineering College

CESA | CSI

## Add-on Short Term Course - WEB DESIGN

### List of Selected Students for course

Sl No:	Name	Batch	Email ID
1	Deepak.K.V	S3 CSE A	deepudeepz383@gmail.com
2	Maneesh Manoj	S3 CSE B	maneeshmanumaps@gmail.com
3	San jose	S3 CSE B	sanjosecheruvathur@gmail.com
4	Aloysius Leslie Jacob	S5 CSE A	leslie.aloysius@gmail.com
5	Amal	S3 CSE A	amaltomsocial@gmail.com
6	Vishnu	S3 CSE B	vjvishnu007@gmail.com
7	Sidharth u	S3 CSE B	sidharthponnath294@gmail.com
8	YASHIF V S	S3 CSE B	yashifyashu@gmail.com
9	Mohamed Najeeb Vk	S3 CSE B	najeebnaju323@gmail.com
10	JEVIN PAULY	S3 CSE B	jevinpaulyk@gmail.com
11	KARTHIK PC	S3 CSE B	karthikpc3@gmail.com
12	Sreehari	S3 CSE B	sreeharimohandas1@gmail.com
13	Rondy Thomas k	S3 CSE B	vjvishnu007@gmail.com
14	Sijin k	S3 CSE B	vjvishni007@gmail.com
15	Muhammed Raneesh C M	S3 CSE B	raneeshmuhammedcm@gmail.com
16	Nithin PV	S3 CSE B	vjvishnu007@gmail.com
17	Joshna Johnson	S3 CSE B	joshnakjohnson@gmail.com
18	NITHIN P.V	S3 CSE B	krishnanithin1986@gmail.com





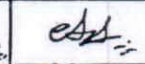

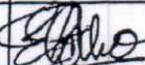
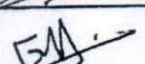

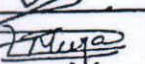

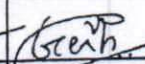





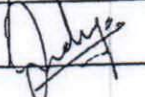
True Copy Attested  
*Sunny*

Dr. SUNNY JOSEPH KALAYATHANKAL  
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Chennai - 600 031

**Jyothi Engineering College**  
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**Add-on Short Term Course - MACHINE LEARNING**

**List of Selected Students for course**

SI No:	Name	Batch			
1	Sreelakshmi V G	S5 CSE B		-	
2	Antony David	S5 CSE A			
3	Adwaith K V	S5 CSE A			
4	Eldho Reji Philip	S5 CSE A			
5	Elsa Rose	S5 CSE A			
6	Meera PM	S5 CSE B		-	
7	M Deepa	S3 CSE B	M. Deepa	M. Deepa	
8	Genuine Basil NT	S5 CSE A			
9	JOE JOSE	S5 CSE A			
10	KAPILDEV M K	S3 EEE A			
11	STEPHY AKKARA	S3 EEE A	-	-	
12	Induja	S5 ECE A			

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Cheruthurethy P.O.-679 531

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## Add-on Short Term Course - WEB DESIGN

### List of Selected Students for course

SI No	Name	Batch		
1	Anjali Anne Prathap	S3 CSE A	Anjali	Anjali
2	AYISHA ABDUL RAVOOF	S5 CSE A	Ayisha	Ayisha
3	Rashi M	S3 CSE B	Rashi	Rashi
4	Shilpa Sivadas	S3 CSE B	Shilpa	Shilpa
5	Amala Maria Nelson	S3 CSE A	Amala	Amala
6	Anagha Merin Sen	S5 CSE A	Ana	Ana
7	Archana CK	S3 CSE A	Archana	Archana
8	Arya Girish	S5 CSE A	Arya	Arya
9	Aleena Thankachen	S5 CSE A	Aleena	Aleena
10	Aparna arvind	S5 CSE A	Aparna	Aparna
11	Amitha Isac	S5 CSE A	Amitha	Amitha
12	Akshaya raj	S5 CSE A	Akshaya	Akshaya
13	Chinnu Davis	S5 CSE A	Chinnu	Chinnu
14	BLESMI ROSE JOSEPH	S5 CSE A	Blesmi	Blesmi
15	TEENA JOY PJ	S3 CSE B	Teena	Teena
16	Meera E Timothy	S3 CSE B	Meera	Meera
17	Abhishek Snilkumar	S5 ME B	Abhishek	Abhishek
18	Aloysius Leslie	S5 CSE A	Aloysius	Aloysius

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

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## Add-on Short Term Course - ARDUINO PROGRAMMING

### List of Selected Students for course

SI No:	Name	Batch			
1	Robin joshey	S5 ME B	<i>[Signature]</i>	-	
2	ANJO JOSEPH P	S5 ME A	<i>[Signature]</i>	<i>[Signature]</i>	
3	Akhil V	S5 CSE A	<i>[Signature]</i>	<i>[Signature]</i>	
4	AKHIL MR	S3 CSE A	<i>[Signature]</i>	<i>[Signature]</i>	
5	SAHAL K H	S3 EEE A	-	-	
6	SREERAG R NANDAN	S3 CSE B	<i>[Signature]</i>	<i>[Signature]</i>	
7	Harith Harinarayanan	S5 ME A	-	-	
8	Rinas fathima	S3 ECE A	<i>[Signature]</i>	<i>[Signature]</i>	
9	JOHNS MALIYEKAL	S5 ME A	<i>[Signature]</i>	<i>[Signature]</i>	

10 Deepak.k.v

S3 CS A

*[Signature]* *[Signature]*

11 Christy Sunil

S3 CS A

*[Signature]* *[Signature]*

True Copy Attested

*[Signature]*

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



From

Dipin Krishnan

AP ,ECE DEPT.

Add-On-Course In Charge

True Copy Attested

To

Principal

JECC

*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

Respected Sir,

The add-on- course for this academic year is scheduled from 15<sup>th</sup> Sep 2018 to 27<sup>th</sup> Oct 2018.As per the instruction from the principal and management, every Saturday will be utilized for the same.

I kindly request you grant us the permission for conducting the add-on-courses.

*Sunny*  
Dr. SUNNY JOSEPH KALAYATHANKAL

M.Tech, MCA, M.Sc, M.Phil, B.Ed  
Ph.D (Computer Science), Ph.D (Maths)

Thanking you,

Yours faithfully

*Dipin*

Dipin Krishnan

10/09/2028

Cheruthuruthy

Recommended and  
for worded *Joseph*

Dr. Jose P. Therattil  
M.Tech, Ph.D (INT)



Approval  
*[Signature]*  
P. P. P. P.



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## DEPARTMENT OF ECE-ADD ON COURSE

### Introduction to VHDL

This course will provide you with an overview of the VHDL language and its use in logic design. By this course, you will understand the basic Parts of VHDL structure and its usage and basic VHDL Constructs Used in the Simulation. You will also be able to build simple digital Logic Structures for specific purpose and connect entire models together to create Hierarchical Designs.

#### Course Objective

- To familiarise the integration of industry standard hardware description language VHDL into the digital design process

#### Course Outcome

CO1: You will be able to write VHDL code for simple digital hardware designs

CO2: You will be able to design and implement various combinational and sequential digital circuits using different styles of modelling of VHDL


CO3: You will be able to simulate and validate a digital design/logic using VHDL with the help of ModelSim/ Xilinx Software

#### Skills Required

- Background in digital logic design
- Prior knowledge of "C" language is helpful, but not require

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PRINCIPAL

## SYLLABUS

### Introduction

(5 Hours)

About VHDL- VHDL Versions-Design Flow- EDA Tools-Translation of VHDL Code into a Circuit-Circuit Simulation- VHDL Syntax-Number and Character Representations in VHDL

### Code Structure

(5 Hours)

Fundamental VHDL Units- VHDL Libraries and Packages-Library/Package Declarations- ENTITY- ARCHITECTURE- GENERIC -Coding Guidelines

### Data Types

(8 Hours)

Introduction- VHDL Objects-Data-Type Libraries and Packages -Type Classifications-Standard Data Types-Standard-Logic Data Types-Unsigned and Signed Data Types-Fixed- and Floating-Point Types-Predefined Data Types Summary- User-Defined Scalar Types-User-Defined Array Types-Subtypes - Type Conversion-Legal versus Illegal Assignments

### Concurrent Code

(5 Hours)

Introduction -Using Operators-The WHEN Statement-The SELECT Statement- The GENERATE Statement-Implementing Sequential Circuits with Concurrent Code-Implementing Arithmetic Circuits with Operators

### Sequential Code


(3 Hours)

Introduction- PROCESS -The IF Statement -The WAIT Statement- The LOOP Statement - The CASE Statement -Implementing Combinational Circuits with Sequential Code-SIGNAL and VARIABLE


### Simulation with VHDL Testbenches :

(at least 7 Hours)

**Reference:** Volnei A. Pedroni "Circuit Design and Simulation with VHDL", second edition, The MIT press

  
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Jyothi Engineering College

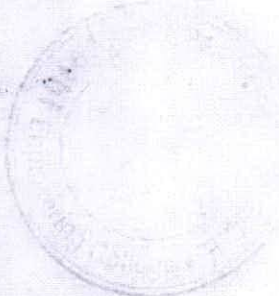
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**COURSE OUTCOMES VS PO MAPPING:**

Sl.No	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	2	3	1	1	2	1	2	1	3
CO2	3	2	2	2	2	2	1	1	2	2	2	3
CO3	3	3	2	2	2	1	1	1	1	1	-	3
Avg	3	2.4	2.6	2	2.2	1.6	1	1.3	1.3	1.8	1.5	3

*Jose P. Therattil*

Dr. Jose P. Therattil  
M.Tech., Ph.D. (NIT)  
Professor & HOD, ECE Department  
Jyothi Engineering College  
Cheruthuruthy, Thrissur - 679 531



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*Sunny*

Dr. SUNNY JOSEPH KALAYATHANKAL  
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# Jyothi Engineering College

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www.jyothi.ac.in ; Email : info@jyothi.ac.in

## DEPARTMENT OF ECE-ADD-ON COURSE SCHEDULE

ADD-ON COURSE	DATE & DAY	HOURS ALLOTTED	VENUE
Introduction to VHDL	15/09/2018(SATURDAY)	1 to 7th Hour	VLSI LAB
	22/09/2018(SATURDAY)	1 to 7th Hour	
	29/09/2018(SATURDAY)	1 to 7th Hour	
	18/10/2018(THURSDAY)	1 to 6th Hour	
	27/10/2018(SATURDAY)	1 to 7th Hour	

Total Hours 34

Staff In-Charge

Mr.Rijo P C

HOD, ECE

Professor Rijo P C, Department  
Jyothi Engineering College  
Cheruthuruthy, Thrissur - 679 531



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*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

*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

**DEPARTMENT OF ECE-ADD-ON COURSE-Registration List**

**Introduction to VHDL**

Sl No:	Register Number	Name	Semester	Department
1	JEC15EC057	THEJUS TONY	S7	Electrial and Electronics Engineering
2	JEC15EC060	VISHNU P G	S7	Electrial and Electronics Engineering
3	LJEC15EC062	ASWANI K NARAYANAN	S7	Electrial and Electronics Engineering
4	JEC15EE013	ASIF ALI M B	S7	Electrial and Electronics Engineering
5	JEC15EE014	AUSTINE	S7	Electrial and Electronics Engineering
6	JEC15EE023	JOPHIN JOHN	S7	Electrial and Electronics Engineering
7	JEC15EE024	JOYEL JOHNSON	S7	Electrial and Electronics Engineering
8	LJEC15EE038	ABIYA CHRISTY	S7	Electrial and Electronics Engineering
9	LJEC15EE039	ANJO JOHN	S7	Electrial and Electronics Engineering
10	LJEC15EE040	ARUN K SUNNYKUTTY	S7	Electrial and Electronics Engineering
11	LJEC15EE041	DIBIN MATHEWS	S7	Electrial and Electronics Engineering
12	LJEC15EE042	JESTIN JOHNY	S7	Electrial and Electronics Engineering
13	LJEC15EE043	KEVIN STEPHEN	S7	Electrial and Electronics Engineering
14	LJEC15EE044	NAMITHA U S	S7	Electrial and Electronics Engineering
15	LJEC15EE045	NITHIN ANTONY	S7	Electrial and Electronics Engineering
16	LJEC15EE046	VAISAKH V S	S7	Electrial and Electronics Engineering
17	JEC16EE063	VIVEK RAJ N J	S5	Electrial and Electronics Engineering
18	LJEC16EE064	ANOOPA ANAND	S5	Electrial and Electronics Engineering
19	LJEC16EE065	RAHUL KRISHNA P	S5	Electrial and Electronics Engineering
20	LJEC16EE067	SANJAY DEV AS	S5	Electrial and Electronics Engineering
21	JEC17EE012	ANU ANTO	S3	Electrial and Electronics Engineering
22	JEC17EE013	ARJUN A R	S3	Electrial and Electronics Engineering
23	JEC17EE020	JITHIN K DOMINIC	S3	Electrial and Electronics Engineering
24	JEC17EE041	SWETHA E J	S3	Electrial and Electronics Engineering
25	JEC17EE042	VISHNU T	S3	Electrial and Electronics Engineering

TOTAL REGISTERED STUDENTS : 25

*Joseph*

*Joseph*  
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*Joseph*  
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**Dr. Jose P. Therattil**  
 M.Tech., Ph.D. (NT)  
 HOD, ECE Department  
 Jyothi Engineering College  
 Thrissur - 679 311

DEPARTMENT OF ECE-ADD-ON COURSE-Attendance List							
COURSE NAME: Introduction to VHDL							
Sl No:	Register Number	Name	Signature				
			Day 1	Day 2	Day 3	Day 4	Day 5
1	JEC15EC057	THEJUS TONY	✓	✓	✓	✓	✓
2	JEC15EC060	VISHNU P G	✓	✓	A	✓	✓
3	LJEC15EC062	ASWANI K NARAYANAN	✓	✓	✓	✓	✓
4	JEC15EE013	ASIF ALI M B	✓	✓	✓	✓	✓
5	JEC15EE014	AUSTINE	✓	✓	✓	✓	✓
6	JEC15EE023	JOPHIN JOHN	✓	✓	✓	✓	✓
7	JEC15EE024	JOYEL JOHNSON	✓	✓	✓	A	✓
8	LJEC15EE038	ABIYA CHRISTY	✓	✓	✓	✓	✓
9	LJEC15EE039	ANJO JOHN	✓	✓	✓	✓	✓
10	LJEC15EE040	ARUN K SUNNYKUTTY	✓	✓	✓	✓	✓
11	LJEC15EE041	DIBIN MATHEWS	✓	✓	✓	✓	✓
12	LJEC15EE042	JESTIN JOHNY	✓	A	✓	✓	✓
13	LJEC15EE043	KEVIN STEPHEN	✓	✓	✓	✓	✓
14	LJEC15EE044	NAMITHA U S	✓	✓	✓	✓	✓
15	LJEC15EE045	NITHIN ANTONY	✓	✓	✓	✓	✓
16	LJEC15EE046	VAISAKH V S	✓	✓	A	✓	✓
17	JEC16EE063	VIVEK RAJ N J	✓	✓	✓	✓	✓
18	LJEC16EE064	ANOOPA ANAND	✓	✓	✓	✓	✓
19	LJEC16EE065	RAHUL KRISHNA.P	✓	✓	✓	✓	✓
20	LJEC16EE067	SANJAY DEV AS	✓	✓	✓	✓	✓
21	JEC17EE012	ANU ANTO	✓	✓	A	✓	✓
22	JEC17EE013	ARJUN A R	✓	✓	✓	✓	✓
23	JEC17EE020	JITHIN K DOMINIC	✓	✓	✓	✓	✓
24	JEC17EE041	SWETHA E J	✓	✓	✓	A	✓
25	JEC17EE042	VISHNU T	✓	✓	✓	✓	✓

TOTAL REGISTERED STUDENTS : 25



*Signature*

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# Jyothi Engineering College

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www.jyothicollege.ac.in Email: info@jyothicollege.ac.in

## ADD-ON COURSE FEEDBACK FORM

Topic Title: Introduction to VHDL

Participant's Name (optional):

THE DESIGN OF THE COURSE		strongly agree	Agree	Neutral	Disagree	Strongly Disagree
1	Whether objectives of the course clear to you ?	<input checked="" type="checkbox"/>				
2	Does the course content meet to your expectations?		<input checked="" type="checkbox"/>			
3	Was the lecture sequence well planned?		<input checked="" type="checkbox"/>			
4	Whether the level of the course was satisfactory?		<input checked="" type="checkbox"/>			
5	Did the course exposed you to new knowledge and practices?	<input checked="" type="checkbox"/>				
6	Will you recommend this course to your classmates?	<input checked="" type="checkbox"/>				
CONDUCT OF THE COURSE						
1	Was the lecture clear and easy to understand?	<input checked="" type="checkbox"/>				
2	Were the teaching aids used effectively ?	<input checked="" type="checkbox"/>				
3	Whether the course materials handed over was adequate?		<input checked="" type="checkbox"/>			
4	Whether the instructors encouraged interactions and was helpful?	<input checked="" type="checkbox"/>				

Are you satisfied with the timing & schedule followed for the course ?

Y  N

Any other comments to improve the course : nil

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Please give overall rating for the course (OUT OF 5)

4 amara

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

' We appreciate your help in evaluating this program

Dr. SUNNY JOSEPH KALAYATHANKAL  
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 PRINCIPAL  
 Jyothi Engineering College  
 Cheruthuruthy P.O.- 679 531





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JYOTHI HILLS, VETRIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, PIN-679531 PH: +91-4884-259000, 274473 FAX: 04884-274777




## CERTIFICATE OF COMPLETION

This certifies that

*Arya C*

has successfully completed the add-on course on "Introduction to VHDL" conducted by Jyothi Engineering College, Cheruthuruthy during September-October 2019.

  
COURSE COORDINATOR

  
PRINCIPAL

  
SECRETARY & CAMPUS HEAD

True Copy Attested

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. - 679531

From

Soumya C

AP ,MR Dept.

Add-On-Course in Charge

To

Principal

JECC

Sub : Request to get sanction to conduct add-on course

Respected Sir,

The add-on- course in Android With MIT App Inventor for this academic year is scheduled from 8<sup>th</sup> Sep 2018 to 20<sup>th</sup> Oct 2018. The Resource person for the course is Mr. Jinesh K J .As per the instruction from the principal and management, every Saturday will be utilized for the same.

I kindly request you grant us the permission for conducting the add-on-courses.

Thanking you,

Yours faithfully


True Copy Attested


01/09/2018

Cheruthuruthy

  
Soumya C

  
Dr. SUNNY JOSEPH KALAYATHANKAL  
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Approved  
  
Prof. Rahman P



# Jyothi Engineering College

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NAAC Accredited College with 789 Accredited Programmes  
Jyothi Hills, Vettikatturi P.O., Cheruthuruthy, Thrissur, PIN-679531, PH - 91 4884 259000, 224493, FAX - 98884 224777  
NBA Accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronic Engineering and Mechanical Engineering.  
www.jyothi.ac.in Email: info@jyothi.ac.in

## DEPARTMENT OF MR-ADD ON COURSE

### Android with MIT App Inventor

#### Eligibility

MR,ECE, EEE

#### Course Objective

The course will give students hands-on experience in developing interesting Android applications. No previous experience in programming is needed, and the course is suitable for students with any level of computing experience. MIT App Inventor will be used in the course. It is a blocks-based programming tool that allows everyone, even novices, to start programming and build fully functional apps for Android devices.

#### Course Objective

- To familiarize the android development using MIT app inventor
- To familiarize the app building and publishing procedure w

#### Course Outcome

- CO1: Student will be able to design simple android apps
- CO2: Student will be able to test apps using their own mobile phone
- CO3: Student will be able to manage data base with android apps

#### Syllabus

Introduction of MIT App Inventor


Programming Basics & Dialog

Alarm Clock Application


Audio & Video

Web Browsing

Data Base

  
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**COURSE OUTCOMES VS PO MAPPING:**

SLNo	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	3	3	1	1	2	1	1	1	3
CO2	3	2	3	3	2	2	2	1	1	2	2	3
CO3	3	3	3	2	2	1	1	1	1	1	2	3
Avg	3	2.4	3	2.6	2.2	1.6	1.3	1.3	1	1.3	1.6	3

*[Signature]*  
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 MBA Accredited @ Tech Programmes in Computer Science & Engineering, VLSI/VLSI & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016 to 2022  
 www.jecc.ac.in Email - info@jecc.ac.in

## DEPARTMENT OF MR-ADD-ON COURSE SCHEDULE

ADD-ON COURSE	DATE & DAY	HOURS ALLOTTED	VENUE
Android With MIT App Inventor	15/09/2018(SATURDAY)	1 to 7th Hour	System Simulation Lab/Project Lab
	22/09/2018(SATURDAY)	1 to 7th Hour	
	29/09/2018(SATURDAY)	1 to 7th Hour	
	18/10/2018(THURSDAY)	1 to 7th Hour	
	27/10/2018(SATURDAY)	1 to 7th Hour	

Total Hours

35

*Soumya C*  
 Add-On Coordinator  
 Ms. Soumya C

HOD, MR

*Joseph Kalayathankal*

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*Sunny Joseph Kalayathankal*  
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DEPARTMENT OF MR-ADD-ON COURSE-Attendance List

COURSE NAME: Android With MIT App Inventor

Sl No:	Register Number	Name	Signature				
			Day 1	Day 2	Day 3	Day 4	Day 5
1	JEC17MC001	ABHISHEK N	P	P	P	P	P
2	JEC17MC003	AJAY O U	P	P	P	P	P
3	JEC17MC004	AJIN JASTIN O	P	P	P	P	P
4	JEC17MC005	AJIN M G	P	P	P	P	P
5	JEC17MC006	AKHILESH K S	P	P	P	P	P
6	JEC17MC007	ALLEN JOSE JAMES	P	P	P	P	P
7	JEC17MC011	ANNA MARIYA ROCKY	P	P	P	P	P
8	JEC17MC012	ANSON C JOSE	P	P	P	P	P
9	JEC17MC013	ARJUN V S	P	P	P	P	P
10	JEC17MC017	ELWIN SHAJU	P	P	P	P	P
11	JEC17MC018	GODWIN VADAKKAN DAVIS	P	P	P	P	P
12	JEC17MC019	GREESHMA JOHN	P	P	P	P	P
13	JEC17MC020	HAMRAS MOHAMMED	P	P	P	P	P
14	JEC17MC022	LEEN DAVID P B	P	P	P	P	P
15	JEC17MC025	NIKHIL SAJAN	P	P	P	P	P
16	JEC17MC027	NITHINRAJ C	P	P	P	P	P
17	JEC17MC028	RIJU T R	P	P	P	P	P
18	JEC17MC038	SREEKANTH M P	P	P	P	P	P
19	JEC17MC039	SREERAJ M	P	P	P	P	P
20	JEC17MC040	VAISAKH N S	P	P	P	P	P
21	JEC17EE001	ABDUL HASEEB	P	P	P	P	P
22	JEC17EE002	ABHIJITH M P	P	P	P	P	P
23	JEC17EE003	ABHIJITH T	P	P	P	P	P
24	JEC17EE004	AJIL JAISON C	P	P	P	P	P
25	JEC17EE005	ALEN MATHEWS	P	P	P	P	P
26	JEC17EE006	ALEX ALBERT	P	P	P	P	P
27	JEC17EE007	AMRITHA ASHOK K	P	P	P	P	P
28	JEC17EE008	ANITTA SAVY	P	P	P	P	P
29	JEC17EE009	ANJANA A	P	P	P	P	P
30	JEC17EE013	ARJUN A R	P	P	P	P	P
31	JEC17EE015	ARTHANA P	P	P	P	P	P
32	JEC17EE019	HENSA MERIN BABU	P	P	P	P	P
33	JEC17EE023	KAPILDEV M K	P	P	P	P	P
35	JEC17EE025	K U MANSOOR	P	P	P	P	P
36	JEC17EE026	KUNNATH RAHUL	P	P	P	P	P
37	JEC17EE036	SAHAL K H	P	P	P	P	P
38	JEC17EE037	SANDRA S	P	P	P	P	P
39	JEC17EE038	SANIL M LAZAR	P	P	P	P	P
40	JEC17EE039	SIJO DAVIS	P	P	P	P	P
41	JEC17EC001	ABHIJITH SURESHKUMAR MENON	P	P	P	P	P
42	JEC17EC002	AKHILA V	P	P	P	P	P
43	JEC17EC003	ALBIN FREDY	P	P	P	P	P
44	JEC17EC004	ALIN ROS DAVID	P	P	P	P	P
45	JEC17EC005	AMMUMOL JOSEPH	P	P	P	P	P
47	JEC17EC007	ANITTA MARIYA V S	P	P	P	P	P

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Sl No:	Register Number	Name	Signature					
48	JEC17EC008	ANJANA SIVAPRAKASH N A	P	P	P	P	P	
49	JEC17EC009	ANJU SIMON E	P	P	P	P	P	
50	JEC17EC010	ANSA KURIAKOSE	P	P	P	P	P	
51	JEC17EC012	ARUN A S	P	P	P	P	P	
52	JEC17EC016	ATHIRA MANIKANDAN	P	P	P	P	P	
53	JEC17EC021	DRISYA RAJ B R	P	P	P	P	P	
54	JEC17EC022	EDWIN JOHN	P	P	P	P	P	
55	JEC17EC024	GANGA NANDAKUMAR	P	P	P	P	P	
56	JEC17EC033	JOSHWA TONY	P	P	P	P	P	
57	JEC17EC034	J PREETHI	P	P	P	P	P	
58	JEC17EC043	PADMA PRIYA	P	P	P	P	P	
59	JEC17EC045	RAMSANKAR A	P	P	P	P	P	
60	JEC17EC047	ROHITH P V	P	P	P	P	P	

*Joseph*

*J.M. JINETHAS*

*Sunny*  
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## CERTIFICATE OF COMPLETION

This certifies that

### AJIN M G

has successfully completed the add-on course on "Android With MIT App Inventor" conducted by Jyothi Engineering College, Cheruthuruthy during 2018-2019.

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SECRETARY & CAMPUS HEAD

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COURSE COORDINATOR





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## CERTIFICATE OF COMPLETION

This certifies that

### AMRITHA ASHOK K

has successfully completed the add-on course on "Android With MIT App Inventor" conducted by Jyothi Engineering College, Cheruthuruthy during 2018-2019.

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COURSE COORDINATOR



# Jyothi Engineering College

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## ADD-ON COURSE FEEDBACK FORM

Topic Title: *Android with MIT app inventor*

Participant's Name (optional):

### THE DESIGN OF THE COURSE

	strongly agree	Agree	Neutral	Disagree	Strongly Disagree
1 Whether objectives of the course clear to you ?	✓				
2 Does the course content meet to your expectations?	✓				
3 Was the lecture sequence well planned?			✓		
4 Whether the level of the course was satisfactory?					
5 Did the course exposed you to new knowledge and practices?	✓				
6 Will you recommend this course to your classmates?		✓			

### CONDUCT OF THE COURSE

1 Was the lecture clear and easy to understand?	✓				
2 Were the teaching aids used effectively ?	✓				
3 Whether the course materials handed over was adequate?		✓			
4 Whether the instructors encouraged interactions and was helpful?		✓			

Are you satisfied with the timing & schedule followed for the course ?

Y  N

Any other comments to improve the course :

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Please give overall rating for the course (OUT OF 5)

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 Ph.D (Computer Science)

'We appreciate your help in evaluating this program'

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Participant's Name (optional):

		strongly agree	Agree	Neutral	Disagree	Strongly Disagree
<b>THE DESIGN OF THE COURSE</b>						
1	Whether objectives of the course clear to you ?		✓			
2	Does the course content meet to your expectations?		✓			
3	Was the lecture sequence well planned?	✓				
4	Whether the level of the course was satisfactory?		✓			
5	Did the course exposed you to new knowledge and practices?	✓				
6	Will you recommend this course to your classmates?	✓				
<b>CONDUCT OF THE COURSE</b>						
1	Was the lecture clear and easy to understand?		✓			
2	Were the teaching aids used effectively ?		✓			
3	Whether the course materials handed over was adequate?	✓				
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