



(Approved by AICTE, Affiliated to MGU / APJ Abdul Kalam Technological University, NAAC Accredited & ISO Certified Institution)

3.2.2 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years						
AY: 2016-17						
SL NO	DATE & YEAR	TOPIC & SUBJECT	DEPARTMENT	NO OF PARTICIPANTS	NATURE OF SEMINAR: INTERNATIONAL/NATIONAL/REGIONAL	NAME AND DESIGNATION OF RESOURCE PERSON
1	11/07/2016 – 12/07/2016	Workshop on Implementation aspects in Webtechnologies	CSE	50	REGIONAL	Mr.Manzoor Samad System Architect,Local Collaborations,Chennai
2	23/09/2016	Seminar on Latest trend in technologies	CSE	55	REGIONAL	Dr.Vinodh P Vijayan HOD,CSE,MLMCE
3	03-11-2016	Seminar on Offences against Women	CSE	60	REGIONAL	Mr. V.G.VinodKumar, DYSP,DCRB,Kottayam
4	11-04-2016	Webinar on A peek into Apriori algorithm and Weka technologies	CSE	45	REGIONAL	Prince V Jose Assistant Professor,Govt. Engineering College,Painavu
5	26/07/2016	Seminar on Embracing the future:Innovations and Discoveries	CSE	45	REGIONAL	Mr.Vipin Das, Assistant Professor, Saintgits College of Engineering
6	11-07-2016	Workshop on Skill Development & Android	CSE	50	REGIONAL	ICT Academy,Kerala

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3.2.2 Number of workshops/seminars/conference conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years (5)

Year	Name of the workshop/ seminar/ conference	Number of Participants	Date From - To	Link to the Activity report on the website
2016	Workshop on Implementation aspects in Webrechnologies	50	11/07/2016 - 12/07/2016	
2016	Seminar on Latest trend in technologies	55	23/09/2016	
2016	Seminar on Offences against Women	60	11/3/2016	
2016	Webinar on A peek into Apriori algorithm and Weka technologies	45	4/11/2016	
2016	Seminar on Embracing the future: Innovations and Discoveries	45	26/07/2016	
2016	Workshop on Skill Development & Android	50	7/11/2016	


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HEAD OF DEPARTMENT
Department of Computer Science & Engineering
Mangalam College of Engineering
 Ettumanoor 686 631


Internal Quality Assurance Cell (IQAC)
Mangalam College of Engineering
 Kottayam, India - 686 631


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Ref No: CS5/14-18/No: 2

[04.07.2016]

CIRCULAR

Sub: Notice of Add on Course

The department of Computer Science and Engineering is conducting a two day workshop on **Implementation Aspects in Web Technology** for **FIFTH** semester B.tech students on **11.07.2016 and 12.07.2016**. The interested candidates are requested to register for the same before 08.07.2016.


Co-ordinators

Elsa Tom (Asst.Professor Dept of CSE)
Mitha Rachel Jose (Asst.Professor Dept of CSE)


Head of Department

Vinodh P Vijayan (Dept. of CSE)

Copy to:

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2. Department Notice File

WORKSHOP ON


IMPLEMENTATION ASPECTS IN WEB TECHNOLOGY

Conducted on 13.07.2016

CERTIFICATE

This is to certify thatLINDSON....SAM..... has participated in the Workshop on Implementation Aspects in Web Technology conducted by Mr. Manzoor Samad (Systems Architect, Local Collaborations, Chennai) in association with Department of Computer Science and Engineering, Mangalam College of Engineering Ettumanoor.

Prof. Vinodh P. Vijayan
HOD & Co Ordinator


Ms. Mitha Rachel Jose
Staff Coordinator

**WORKSHOP ON
IMPLEMENTATION ASPECTS IN WEB TECHNOLOGY**

Conducted on 13.07.2016

CERTIFICATE

This is to certify thatKannan..... C.M..... has participated in the Workshop on Implementation Aspects in Web Technology conducted by Mr.Manzoor Samad (Systems Architect, Local Collaborations, Chennai) in association with Department of Computer Science and Engineering, Mangalam College of Engineering Ettimanoor.


Prof. Vinodh P Vijayan
HOD & Co Ordinator


Ms. Mitha Rachel Jose
Staff Coordinator

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Workshop on Implementation Aspects in Web Technology

Participants List

Date :11.7.2016-12.07.2016

	Name	Batch
1	ALBY SHAJI	CSE5 A
2	ALLAN ROY	CSE5 A
3	ARCHANA MERIN MATHEW	CSE5 A
4	ARJUN M	CSE5 A
5	ARUNIMA RAJ	CSE5 A
6	ARUN KUMAR M S	CSE5 A
7	ARYA SASI	CSE5 A
8	ASHWIN VARGHESE SAMUEL	CSE5 A
9	ATHIRA RAJ K S	CSE5 A
10	ATHIRA T ASHOK	CSE5 A
11	AYONA THOMAS	CSE5 A
12	BEEMA BASHEER	CSE5 A
13	BIBITHAMOL BABY	CSE5 A
14	BOBY MATHEW	CSE5 A
15	CAROL VARGHESE	CSE5 A
16	CHINMAYI PADMAKUMAR	CSE5 A
17	CHRISTEENA JOSEPH	CSE5 A
18	HARISANKAR S	CS 5B
19	HERDILIA SUNU	CS 5B
20	IVY JOSE	CS 5B
21	JEFIN JOY	CS 5B
22	JERRIN SAM VARGHESE	CS 5B
23	JIBIN THOMAS	CS 5B
24	JIKKU JOSEPH	CS 5B
25	JIMMY S	CS 5B
26	JITHUMON ANTONY	CS 5B
27	JOBIN VARKEY VARGHESE	CS 5B
28	JOHITH OOMMEN IYPE	CS 5B
29	JOJINA THOMAS	CS 5B
30	JUBINA SHAHUL HAMEED	CS 5B
31	KEERTHANA VASANTH	CS 5B
32	LINSON SAM	CS 5B
33	LINTA VARGHESE	CS 5B
34	MANU SAJEEVAN	CS 5B
35	MINNU JOSEPH	CS 5B
36	NAFLA IQBAL	CS 5B
37	NAMITHA SABU	CS 5B
38	SHILPA SASIKUTTAN	CS 5B
39	SHINTU ABRAHAM	CS 5B
40	SONY THOMAS	CS 5B
41	SREEKUMAR P S	CS 5B
42	SREELAKSHMI ASOKAN	CS 5B
43	TEXA ELSA JOSEPH	CS 5B

Slee

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44	VISHNU KRISHNAN	CS 5B
45	ANJU V A	CS 5B
46	KANNAN C M	CS.5B
47	NISHA S RAJU	CS 5B:
48	DINUNATH R	CS 5B
49	AKHILA NELSON	CS 5B
50	SARIKA CHANDRAN	CS 5B

[Signature]
13.7.2016
Co-ordinator

[Signature]
13.7.2016
HOD. CE



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Inspire | Imbibe | Innovate

19.09.2016

Ref No:

CIRCULAR

Sub: Seminar

The department of Computer Science & Engineering offers a seminar on "Latest Trends in Technologies" for CSE1A&B students on 23.09.2016. Interested students are requested to register with the class teachers.

Nitin

Class in Charge

HOD

Copy to:

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2. Department Notice File
3. Class File

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**MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SEMINAR ON LATEST TREND IN TECHNOLOGIES**

RESOURCE PERSON PROFILE



Dr. Vinodh P Vijayan M.Tech, Ph.D

Dr. Vinodh P Vijayan has completed Bachelors Degree in Electronics and Communication Engineering, Post graduation in Computer Science Engineering and Ph.D in Computer Science & Engineering. He has many years of experience in teaching Undergraduate program and Post graduate programs of M G University and KTU.

He was an Adjunct professor for IGNOU post graduate programs and visiting faculty for BITS Pilani's Post Graduate programs. He has presented and published papers in many National and International Conferences, he has also associated with organizing many national and international conferences. Currently he is having publications in SCI, SCIE & Scopus indexed International Journals/ proceedings. Recently have many patents for his credit. He aims to provide innovators with high quality technology information and related services as well as help innovators to create, protect, and manage their intellectual property rights by encouraging them by various motivations

He has served as author/reviewer for many technical publications. His research area includes Soft Computing, AI, Bio-inspired computing, Computer Networks, IoT etc.


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MANGALAM COLLEGE OF ENGINEERING**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING****SEMINAR ON LATEST TRENDS IN TECHNOLOGIES****REGISTERED STUDENTS LIST**

Academic Year : 2016-17


Class & Semester : CSE1A & B


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42	Meenu Mathews	A	


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52	Prince Prakash	C	princenediyathu03@gmail.com
53	Rahul R	B	rahul808680@gmail.com
54	Rahul Thomas	A	rahulthomas308@gmail.com
55	Raicy Ann Mammen	A	annraicy@gmail.com

[Signature]
Class in charge(s):

[Signature]
23-7-2016
HOD

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[Signature]

Feedback_Form-Overview_of_India

Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [Was the session interactive?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2016/09/23 5:19:00 PM GMT+5:30	Aakash Kashyap	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Good
2016/09/23 5:37:57 PM GMT+5:30	Abhirami Ravikumar	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Null
2016/09/23 5:38:00 PM GMT+5:30	Abhishek Aravind	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	no
2016/09/23 5:38:09 PM GMT+5:30	Abhishek B	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Very Good
2016/09/23 5:38:06 PM GMT+5:30	Abraham John	Mangalam College of Engineering	CSE	Excellent	Very Good	Excellent	Very Good	Excellent
2016/09/23 5:38:19 PM GMT+5:30	Ajay Manoj	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Excellent
2016/09/23 5:38:23 PM GMT+5:30	Ajay Thampi	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Nil
2016/09/23 5:38:23 PM GMT+5:30	Akash R	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:38:31 PM GMT+5:30	Akhila S	Mangalam College of Engineering	CSE	Very Good	Very Good	Excellent	Very Good	Very Good
2016/09/23 5:38:33 PM GMT+5:30	Akhil Krishnan	Mangalam College of Engineering	CSE	Fair	Very Good	Fair	Fair	Fair
2016/09/23 5:38:50 PM GMT+5:30	Akhil M Anil	Mangalam College of Engineering	CSE	Excellent	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:38:56 PM GMT+5:30	Aksaniam George	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:38:59 PM GMT+5:30	Akshatha Prabhakaran	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:06 PM GMT+5:30	Akshaymen Kv	Mangalam College of Engineering	CSE	Excellent	Very Good	Excellent	Excellent	Very Good
2016/09/23 5:39:23 PM GMT+5:30	Akshay V Anil	Mangalam College of Engineering	CSE	Excellent	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:39:18 PM GMT+5:30	Akshay Venugopal	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:19 PM GMT+5:30	Albin Shaji	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:21 PM GMT+5:30	Alby Binoy	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:39:28 PM GMT+5:30	Alpha Gigi	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:37 PM GMT+5:30	Amitha Paulose	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:44 PM GMT+5:30	Amrutha Surendran	Mangalam College of Engineering	CSE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:39:52 PM GMT+5:30	Amrutha V Shewey	Mangalam College of Engineering	CSE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:39:55 PM GMT+5:30	Anandu Shimon	Mangalam College of Engineering	EEE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:39:57 PM GMT+5:30	Anila Abraham	Mangalam College of Engineering	EEE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:40:00 PM GMT+5:30	Anjali K Rejise	Mangalam College of Engineering	ME	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:40:06 PM GMT+5:30	Anjana Babu	Mangalam College of Engineering	ME	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:40:24 PM GMT+5:30	Ann Mary Joppa	Mangalam College of Engineering	ME	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:40:26 PM GMT+5:30	Annu Saji	Mangalam College of Engineering	ME	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:40:57 PM GMT+5:30	Anu James	Mangalam College of Engineering	ME	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:40:57 PM GMT+5:30	Anif Muhammed	Mangalam College of Engineering	ECE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:41:01 PM GMT+5:30	Jitha Jacob	Mangalam College of Engineering	ECE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:41:08 PM GMT+5:30	Joby Johnson	Mangalam College of Engineering	ECE	Excellent	Excellent	Excellent	Excellent	Excellent
2016/09/23 5:41:30 PM GMT+5:30	Joel D	Mangalam College of Engineering	CE	Very Good	Excellent	Very Good	Very Good	Very Good
2016/09/23 5:41:37 PM GMT+5:30	Joel S Joy	Mangalam College of Engineering	CE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:41:57 PM GMT+5:30	Johan Zachariah Thomas	Mangalam College of Engineering	CE	Very Good	Very Good	Very Good	Very Good	Very Good
2016/09/23 5:42:02 PM GMT+5:30	Joseph Thomas	Mangalam College of Engineering	CE	Excellent	Excellent	Very Good	Very Good	Excellent


MOD - CSE

2016/09/23 5:42:23 PM GMT+5:30	Karthika Rajeev	Mangalam College of Engineering	CE	Very Good	Very Good	Very Good	Very Good	Very Good	None
2016/09/23 5:42:30 PM GMT+5:30	Kripa Sara Thomas	Mangalam College of Engineering	BSH	Very Good	Excellent	Very Good	Excellent	Excellent	NA
2016/09/23 5:42:30 PM GMT+5:30	Lenin Ben	Albertian Institute of Science & Technology, Kalamassery	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/09/23 5:42:33 PM GMT+5:30	Lincymol Abraham	Albertian Institute of Science & Technology, Kalamassery	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing more
2016/09/23 5:42:42 PM GMT+5:30	Lovia Oommen Mathew	Albertian Institute of Science & Technology, Kalamassery	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/09/23 5:42:44 PM GMT+5:30	Moenu Mathews	Albertian Institute of Science & Technology, Kalamassery	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	no
2016/09/23 5:42:46 PM GMT+5:30	Megha S	Albertian Institute of Science & Technology, Kalamassery	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Its great
2016/09/23 5:42:51 PM GMT+5:30	Meharban	Albertian Institute of Science & Technology, Kalamassery	ME	Very Good	Very Good	Very Good	Very Good	Very Good	It was a good class
2016/09/23 5:42:55 PM GMT+5:30	Midhun Mahesan	Albertian Institute of Science & Technology, Kalamassery	ECE	Excellent	Very Good	Excellent	Excellent	Excellent	Nothing
2016/09/23 5:42:55 PM GMT+5:30	Mithun Manohar	Albertian Institute of Science & Technology, Kalamassery	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	good
2016/09/23 5:42:55 PM GMT+5:30	Mohamed Sabith	Albertian Institute of Science & Technology, Kalamassery	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions Good class
2016/09/23 5:43:00 PM GMT+5:30	Neshma Maria Thomas	Albertian Institute of Science & Technology, Kalamassery	CE	Excellent	Very Good	Excellent	Very Good	Excellent	Nothing
2016/09/23 5:43:02 PM GMT+5:30	Nishamol Shaji	Albertian Institute of Science & Technology, Kalamassery	CE	Very Good	Fair	Very Good	Very Good	Fair	Very Good
2016/09/23 5:43:27 PM GMT+5:30	Nitha Johny	Albertian Institute of Science & Technology, Kalamassery	CSE	Excellent	Very Good	Excellent	Excellent	Excellent	Nothing
2016/09/23 5:43:28 PM GMT+5:30	Preety Sara Freddy	Albertian Institute of Science & Technology, Kalamassery	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/09/23 5:43:38 PM GMT+5:30	Prince Prakash	Albertian Institute of Science & Technology, Kalamassery	EEE	Excellent	Excellent	Excellent	Excellent	Excellent	Its good
2016/09/23 5:43:40 PM GMT+5:30	Rahul R	Albertian Institute of Science & Technology, Kalamassery	ME	Very Good	Very Good	Very Good	Very Good	Very Good	good
2016/09/23 5:44:07 PM GMT+5:30	Rahul Thomas	Albertian Institute of Science & Technology, Kalamassery	EEE	Fair	Very Good	Fair	Very Good	Very Good	Nil
2016/09/23 5:44:09 PM GMT+5:30	Rasy Ann Mammen	Albertian Institute of Science & Technology, Kalamassery	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/09/23 5:44:23 PM GMT+5:30									


HOD, CSO

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SEMINAR ON LATEST TRENDS IN TECHNOLOGIES

Date: 23.09.2016

The seminar was conducted for first year CSE students. The following things were discussed.

The Device Mesh

The device mesh moves beyond the traditional desktop computer and mobile devices (tablets and smartphones) to encompass the full range of endpoints with which humans might interact. As the device mesh evolves, Gartner expects connection models to expand and greater cooperative interaction between devices to emerge. We will see significant development in wearables and augmented reality, especially in virtual reality.

Ambient User Experience

All of our digital interactions can become synchronized into a continuous and ambient digital experience that preserves our experience across traditional boundaries of devices, time and space. The experience blends physical, virtual and electronic environments, and uses real-time contextual information as the ambient environment changes or as the user moves from one place to another.

Organizations will need to consider their customers' behavior journeys to shift the focus on design from discrete apps to the entire mesh of products and services involved in the user experience.

3D-Printing Materials

We'll see continued advances in 3D printing with a wide range of materials, including advanced nickel alloys, carbon fiber, glass, conductive ink, electronics, pharmaceuticals and biological materials for practical applications expanding into aerospace, medical, automotive, energy and the military.

Recent advances make it possible to mix multiple materials together with traditional 3D printing in one build. This could be useful for field operations or repairs when a specific tool is required and printed on demand. Biological 3D printing — such as the printing of skin and organs — is progressing from theory to reality; however, politicians and the public don't have a full understanding of the implications.

Information of Everything

Everything surrounding us in the digital mesh is producing, using and communicating with virtually unmeasurable amounts of information. Organizations must learn how to identify

Internet of Things Architecture and Platforms

IoT platforms exist behind the mesh app and service architecture. The technologies and standards in the IoT platform form a base set of capabilities for communicating, controlling, managing and securing endpoints in the IoT. The platforms aggregate data from endpoints behind the scenes from an architectural and a technology standpoint to make the IoT a reality.

Autonomous Vehicles

Self-driving cars may not yet be fully legal in most geographies, but their potential for saving lives, cutting pollution, boosting economies, and improving quality of life for the elderly and other segments of society has led to rapid deployment of key technology forerunners along the way to full autonomy.

Quantum computing

In short, quantum computers can solve problems that are computationally too difficult for a classical computer, which can only process information in 1s and 0s. In the quantum universe, those 1 and 0 bytes can exist in two states (qubits) at once, allowing computations to be performed in parallel. Therefore, if you build two qubits, they are able to hold four values at the same time: 00, 01, 10, 11. Quantum computers are not only more powerful than anything built to date — they require special algorithms capable of doing new things. For example, quantum computers require special programs like Shor's algorithm — invented by MIT's Peter Shor — that can factorize any prime number. The National Security Agency is already predicting that the cryptography in use will be rendered completely obsolete once quantum computers go into widespread use.

Scientists have been researching quantum computing for decades. The challenge has been proving that a quantum machine is actually doing quantum computations. That's because in a quantum system, the very act of observing information in transit changes the nature of that data. While you won't be able to buy a quantum computer in 2016, it's a trend worth watching. Researchers at IBM's experimental quantum computing group have begun to unlock difficult problems in quantum computing, such as detecting errors. Recently, D-Wave Systems announced that it broke the 1,000 qubit barrier, which (if true) would make it the most powerful computer on the planet. Now, IBM, Microsoft, Hewlett-Packard and Google, as well as D-Wave, are trying to figure out how to advance and commercialize the technology.

Augmented knowledge

We don't recognize it as such, but we are living in an age of digital telepathy, where we can send information directly to each other's brains via the internet. Scientists at the University of Southern California have been working on a cognitive neural prosthesis that can restore and enhance memory function. This research has a practical and altruistic purpose: to help victims of stroke or traumatic brain injury regain their cognitive abilities and motor function. Rather than having to relearn, they need only reload those memories. But this implies that someday you might be able to augment your mental ability — much like robotic suits allow us to

enhance our physical strength — with a computer device. Rather than simply baking a Thomas Keller brioche, you could install his specific technique for kneading bread. Or you might go into a contract meeting armed with Madeline Albright's negotiation skills. Which begs the question: In the farther future, what will it mean to "learn"?

[Handwritten signature]
11/08/2017



MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Invitation Letter

The Department of Computer Science & Engineering organizes a women empowerment program "JYOTHI 2K16 - Awaken the woman within" followed by a Cyber-Awareness talk.

The chief guests for the occasion are Ms. Divya S Iyer, Assistant Collector, Kottayam and Mr. V.G. Vinod Kumar, DYSP, Kottayam (DCRB).

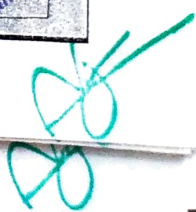
We cordially invite you for the event to be conducted on 11th March 2016 at 9.15 a.m at the Digital Theatre.

Expecting your esteemed presence.

Thanks & Regards in advance.

Program Coordinator

MANGALAM COLLEGE OF ENGINEERING
Ettimanoor



MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
JYOTHI 2K16 – AWAKEN THE WOMEN WITHIN
A WOMEN EMPOWERMENT PROGRAMME

INAUGURATION SCHEDULE

Dated: 11th March 2016

Venue : Digital Theatre

9.30 am: Prayer Song

9.35 am: Thiruvathirakali – Traditional Dance of Kerala

9.45 am: Welcome Address

Dr. Mary Thomas, Principal, MLMCE

9.55 am: Inauguration - Lighting the Lamp

10.00 am: Inaugural Address & Keynote

Dr. Divya S. Iyer, Assistant Collector, Kottayam

10.25 am: Honoring the National Level winners for Karate Championship 2016

Dr. Divya S. Iyer, Assistant Collector, Kottayam

10.30 am: Presidential Address

Mrs. Toshma Biju Varghese,

Chairperson, Mangalam Group of Educational Institutions

10.40 am: Gift a Book

Gifting books to meritorious students as a part of Teacher's Social Responsibility

10.45 am : Vote of thanks

Ms. Elsa Tom, Assistant Professor, CSE

10.50 am: Tea Break

11.00 am: Seminar on "Offences against Women"

Mr. V. G. Vinod Kumar, DYSP, DCRB, Kottayam

12.30 pm: End of the Event



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KOTTAYAM

... simply baking a
... Or you

Date & Time : 11th March 2016 , 9:30 am
Venue : Digital Theatre

WOMEN'S EMPOWERMENT PROGRAMME

List of Committees

Sl. No.	Committee	Members	Responsibilities
1	Brochure/Publicity	Ms. Rose V Pattani, Ms. Simy Mary Kurian, Ms. Jissy Liz Jose, Mr. Vishnu S Sekhar, Syamamol T	Flux Printing, Brochure Preparation, Preparation of write up, Photo Gallery
2	Reception	Ms. Neethu Tom , Ms. Divya S B	Receiving Guest, Stage Arrangement
3	Hall Arrangement	Ms. Neethu Maria, Ms. Vinetha V Nair, Ms. Renjana Ramachandran	Seat Arrangement, Technical Support (Audio, Video)
4	Hospitality	Ms. Nimmymol Manuel	Guest Delight Food & Snacks for Students
5	Memento	Ms. Mitha Rachel Jose	
6	Students Performance Monitoring	Ms. Sreenimol K R, Ms. Neema George, Ms. Subha Sreekumar	Co ordinating Theme Dance, Prayer Song of students & Violin Performance by Mr. Vishnu S Sekhar
7	Discipline	Class Teachers - S4, S6, S8	Students Discipline in Hall
8	Finance	Ms. Neena Joseph	Preparation of Budget, Disbursement
9	Computing	Ms. Anna Prathibha Shobak	
10	Vote of Thanks	Ms. Elsa Tom	

Mangalam College of Engineering, Ettumanoor
 Department of Computer Science and Engineering
 Attendance Sheet CS 4A

Date & Venue : 11/3/2016 , Digital Theatre
 Time : 9:30 am - 12:30 pm

Roll No.	Student Name	Signature
1	AISWARYA THAMPI	
2	ALBY SHAJI	<i>Alby</i>
3	ANIKA RACHEL EAPEN	<i>Anika</i>
4	ANJALY K K	<i>Anjali</i>
5	ANJUMOL ANDREWS	<i>Anjumol</i>
6	ANUPAMA MARIA SAJAN	<i>Anupama</i>
7	APARNA ACHU SHAJI	<i>Aparna</i>
8	APARNA ALPHONSA SAJAN	<i>Aparna</i>
9	ARCHANA MERIN MATHEW	<i>Archana</i>
10	ARUNIMA RAJ	<i>Arunima</i>
11	ARYA SASI	<i>Arya</i>
12	ATHIRA RAJ K S	<i>Athira</i>
13	ATHIRA T ASHOK	<i>Athira</i>
14	AYONA THOMAS	<i>Ayona</i>
15	BEEMA BASHEER	<i>Beema</i>
16	BIBITHAMOL BABY	<i>Bibithamol</i>
17	CAROL VARGHESE	<i>Carol</i>
18	CHINMAYI PADMAKUMAR	<i>Chinmayi</i>
19	CHRISTEENA JOSEPH	<i>Christeena</i>
20	DEVIKA K R	<i>Devika</i>
21	FEBY LEENA JOSEPH	<i>Febyleena</i>
22	FIDHA FATHIMA	<i>Fidha</i>
23	GBETHANJALI NINAN	<i>Gbethanjali</i>
24	HERDILIA SUNU	<i>Herdilia</i>
25	IVY JOSE	<i>Ivy</i>

[Handwritten signature]

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SEMESTER: IV B

Date & Venue : 11/3/2016 , Digital Theatre
Time : 9:30 am - 12:30 pm

Sl.No	Name of Students	Signature
1	JOJINA THOMAS	P
2	JUBINA SHAHUL HAMEED	P
3	KEERTHANA VASANTH	P
4	LINTA VARGHESE	P
5	MINNU JOSEPH	P
6	NAFLA IQBAL	P
7	NAMITHA SABU	P
8	NIKHITHA THOMAS	P
9	RESHMI RAVINDRAN	P
10	REVATHY P	P
11	RIYA JOSEPH	P
12	SHAHITHA S	P
13	SHERIN MARIA VARGHESE	P
14	SHILPA SASIKUTTAN	P
15	SREELAKSHMI ASOKAN	P
16	TEXA ELSA JOSEPH	P
17	SARIKA CHANDRAN	P
18	AKHILA NELSON	P
19	ANJU V A	P
20	NISHA S RAJU	P

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSE S2B

Roll No.	Name
1	LIYA TREESA KUNJUMON
2	MINNU K PRAVEEN
3	NAVEYA XAVIER
4	NAYANA N PANICKER
5	NISHA SHAJI
6	NIVYAMOL P VARGHESE
7	PARVATHY RADHAKRISHNAN
8	PARVATHY RADHAKRISHNAN
9	RANJIMA P S
10	RENU RENJITH
11	RESHMA C V
12	RESHMA K S
13	RITTYMOL JOSEPH
14	SAFI THREESA SAJI
15	SAJIDA K N
16	SHARON SHAJI
17	SHEEDHAL SUSAN JOHN
18	SHIFAMOL P H
19	SHILPA MARIA JOSHY
20	SORNALATHA P
21	SWATHI SADASIYAN
22	THASNEEM NAUSHAD



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Ref No:

27.10.2016

CIRCULAR

Sub: Webinar on A peek into Apriori algorithm and Weka technologies

The department of Computer Science & Engineering offers a webinar on "A peek into Apriori algorithm and Weka technologies" for CSE final year students on 04.11.2016. Interested students are requested to register with the class teachers.

Co-ordinator

HOD

Copy to:

1. Dept. Notice board/ Class notice board
2. Department Notice File
3. Class File

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Resource Person



Prince V Jose
Assistant Professor
Govt Engineering College ,Painavu

Mr. Prince V Jose has completed Masters Degree in Computer Science and Engineering, Anna University Chennai, Bachelors degree in CSE, MG University College of Engineering, Thodupuzha, His Research interest in Data Structures and Algorithm, Discrete Mathematics, Deep Learning.

PUBLICATION DETAILS

- **Prince V Jose**, Jithin Jacob, Anuraj C K, Dr. Surekha Mariam Varghese has published a paper entitled “ERD-Os: A major threat to Operating System Security”, International Journal of Computer Science and Engineering, ISSN(print):2278-9960, ISSN(Online):2278-9979; Vol-3, Issue-3, May-2014; Impact Factor(JCC):1323; Index Copernicus Value(ICV)-2013:3.0
- **Prince V Jose**, Shaji Thomas has published a paper entitled “Recent trends in E-commerce” ,International Research Journal of Engineering and Technology”, volume-2, issue-6, September 2015

TEACHING EXPERINCE

- MG University College of Engineering, Thodupuzha, Assistant Professor, March 2014 to Nov 2014
- MA College of Engineering, Kothamangalam, Kerala, Assistant Professor, Assistant Professor

INDUSTRIAL EXPERIENCE (1 year)

- Robosoft Technologies, Uduppi, Karnataka, Android Developer, Jan 2016 to June 2017

KEY SKILLS

Android, Java , C++, C, MySQL, SQLite

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MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
WEBINAR ON A PEEK INTO APRIORI ALGORITHM AND
WEKA TECHNOLOGIES

Date: 04.11.2016

The webinar was conducted for CSE final year students. The following things were discussed.

APRIORI ALGORITHM

Knowledge exploration from the large set of data, generated as a result of the various data processing activities due to data mining only. Frequent Pattern Mining is a very important undertaking in data mining. Apriori approach applied to generate frequent item set generally espouse candidate generation and pruning techniques for the satisfaction of the desired objective. This paper shows how the different approaches achieve the objective of frequent mining along with the complexities required to perform the job. This paper demonstrates the use of WEKA tool for association rule mining using Apriori algorithm.

Due to extensive mechanization and due to affordable storage facilities, there is an massive prosperity of information embedded in huge database belonging to different enterprise. The main idea of data mining is to find effective ways to combine the computer's power to process data with human eye's ability to detect patterns. The techniques of datamining are designed for and work best with, large data sets[5]. Today, the processor is having speed that is underutilized due to improper localization of the various parameters if these parameters would be properly localized than the performance of the system can be improved a lot. This can be done using several cache conscious mechanisms that are going to help in optimal use of the resources for better outcome. Here we have discussed the mechanism for WEKA to use Apriori algorithm.

The Apriori Algorithm is an influential algorithm for mining frequent itemsets for boolean association rules. Some key concepts for Apriori algorithm are :

- Frequent Itemsets: The sets of item which has minimum support (denoted by L_i for i th-Itemset).
- Apriori Property: Any subset of frequent itemset must be frequent.
- Join Operation: To find L_k , a set of candidate kitemsets is generated by joining L_{k-1} with itself.

Very first algorithm proposed for association rules mining was the Apriori for frequent itemset mining. The most popular algorithm for pattern mining is without a doubt Apriori. It is designed

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
WEBINAR ON A PEEK INTO APRIORI ALGORITHM AND
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to be applied on a transaction database to discover patterns in transactions made by customers in stores. But it can also be applied in several other applications. A transaction is defined a set of distinct items (symbols). Apriori takes as input a minsup threshold set by the user and a transaction database containing a set of transactions. Apriori outputs all frequent itemsets, i.e. groups of items shared by no less than minsup transactions in the input database. For example, consider the following transaction database containing four transactions. Given a minsup of two transactions, frequent itemsets are "bread, butter", "bread milk", "bread", "milk" and "butter".

T1: bread, butter, spinach

T2: butter, salmon

T3: bread, milk, butter

T4: cereal, bread, milk

The Apriori algorithm employs the downward closure property if an item set is not frequent, any superset of it cannot be frequent either. The Apriori algorithm performs a breadthfirst search in the search space by generating candidate $k+1$ - itemsets from frequent k itemsets. The frequency of an item set is computed by counting its occurrence in each transaction. Apriori is an significant algorithm for mining frequent itemsets for Boolean association rules. Since the Algorithm uses prior knowledge of frequent item set it has been given the name Apriori. Apriori is an iterative level wise search Algorithm, where k - itemsets are used to explore $(k+1)$ - itemsets. First, the set of frequent 1- itemsets is found[1]. This set is denoted by L_1 . L_1 is used to find L_2 , the set of frequent 2-itemsets, which is used to find L_3 and so on, until no more frequent k -itemsets can be found. The finding of each L_k requires one full scan of database.

WEKA TECHNOLOGIES

Weka is a data mining visualization tool which contains collection of machine learning algorithms for data mining tasks. It is an open-source software issued under the GNU General Public License. It provides result information in the form of chart, tree, table etc.

Weka expects the data file to be in Attribute-Relation File Format (ARFF) file. So, first we have to convert any file into ARFF before we start mining with it in Weka.

Features of Weka

Data Pre-processing: It is cleaning of data while data gathering and selection phase. It removes/adds default value to missing fields and resolve conflicts.

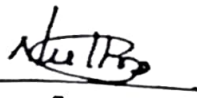
Data Classification and Prediction: It classifies data based on relationship between things and predicts data label. For e.g., A Bank, based on available data of loan, classifies and predicts customer label 'risky' or 'safe'.

Clustering: Group of related data into cluster, used to discover distinct group. For e.g., We have data of weather and based on that we want to decide whether to play outside or not, in such case, using Weka tool we can visualize overall data and can make decision according to the charts.

As shown in above image, current data is loaded from weather. arff file and there are 5 attributes: outlook, temperature, humidity, windy, play. Temperature is the selected attribute and we need to decide about playing, i.e whether to play outside or not. Weka applies data mining on the available data and produces result which is displayed in right corner chart (blue = play outside and red = not play). Chart is used to visualize play attribute with respect to temperature, so as per above "if temperature is 64 to 75 => play outside". Weka also provides various data mining techniques like filters, classification and clustering.

SUMMARY

Apriori is the simplest algorithm which is used for mining of frequent patterns from the transaction database. The purpose of reducing the number of scans of database to extract frequent item set will be resolved in future due to our work is in progress for the same. We have tried to implement the Apriori algorithm for sufficient research work and also we have utilized WEKA for referring the process of association rule mining




Co-ordinator



HOD

Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation?]	Give your valuable feedback on the session [Was the session interesting?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2016/11/04 11:19:09 AM	G Arathy Sabu	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2016/11/04 11:19:09 AM	G Archana Radhakrishnan	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Null
2016/11/04 11:19:09 AM	G Anun Jithan	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	no
2016/11/04 11:19:09 AM	G Anun Joseph	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	NIL
2016/11/04 11:19:09 AM	G Arunima Mohan	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	It's good
2016/11/04 11:19:09 AM	G Aswathy Mohanan	Mangalam College of Engineering.	CSE	Excellent	Very Good	Excellent	Very Good	Excellent	NA
2016/11/04 11:19:09 AM	G Athira S Nair	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No
2016/11/04 11:19:09 AM	G Athiralakshmi	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/11/04 11:19:09 AM	G Athul Babu	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/11/04 11:19:09 AM	G Athulya P.M.	Mangalam College of Engineering.	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2016/11/04 11:19:09 AM	G Besson P Joss	Mangalam College of Engineering.	CSE	Fair	Very Good	Fair	Fair	Fair	Nothing much
2016/11/04 11:19:09 AM	G Binesha B Theresa	Mangalam College of Engineering.	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Nil
2016/11/04 11:19:09 AM	G Chinnu Chandran	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2016/11/04 11:19:09 AM	G Devika Sadanand	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/11/04 11:19:09 AM	G Dixy Salin John	Mangalam College of Engineering.	CSE	Excellent	Very Good	Excellent	Excellent	Very Good	Good class.. easy to understand the topics
2016/11/04 11:19:09 AM	G Firoz Kamal S	Mangalam College of Engineering.	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Need to be more interactive
2016/11/04 11:19:09 AM	G Geethamol T Varghese	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2016/11/04 11:19:09 AM	G Gevar Prince K	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/11/04 11:19:09 AM	G George Jose Murricken	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2016/11/04 11:19:09 AM	G Gizza Maria Thomas	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/11/04 11:19:09 AM	G Greeshtama K B	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/11/04 11:19:09 AM	G Jnu Joy	Mangalam College of Engineering.	CSE	Very Good	Very Good	Excellent	Very Good	Excellent	NIL
2016/11/04 11:19:09 AM	G Joby Augustine	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Very Good	Excellent	No

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Feedback_Form-Overview_of_India

Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [Was the session interesting?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2016/1/04 11:19:09 AM G	Josiya Maria Joseph	Mangalam College of Engineering,	EEE	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing its very good class.
2016/1/04 11:19:09 AM G	Reenu Joseph	Mangalam College of Engineering,	EEE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2016/1/04 11:19:09 AM G	Rinson Chacko	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2016/1/04 11:19:09 AM G	Risna Sali	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Excellent	Very Good	No suggestions.
2016/1/04 11:19:09 AM G	Ron Babu	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2016/1/04 11:19:09 AM G	Ruth Chara Tom	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/1/04 11:19:09 AM G	Sachin Babu	Mangalam College of Engineering,	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Good session
2016/1/04 11:19:09 AM G	Sajith Sajjan	Mangalam College of Engineering,	ECE	Excellent	Very Good	Very Good	Very Good	Very Good	Nil
2016/1/04 11:19:09 AM G	Sambhu K T	Mangalam College of Engineering,	ECE	Very Good	Excellent	Excellent	Excellent	Excellent	Nothing
2016/1/04 11:19:09 AM G	Sandeep N S	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2016/1/04 11:19:09 AM G	Sanjay J	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2016/1/04 11:19:09 AM G	Sarath Mohan	Mangalam College of Engineering,	CE	Excellent	Excellent	Very Good	Very Good	Very Good	None
2016/1/04 11:19:09 AM G	Sebin Abraham	Mangalam College of Engineering,	CE	Very Good	Very Good	Very Good	Excellent	Excellent	NA
2016/1/04 11:19:09 AM G	Shebin John	Mangalam College of Engineering,	BSH	Very Good	Excellent	Excellent	Excellent	Excellent	No
2016/1/04 11:19:09 AM G	Siby Mathew Thomas	Mangalam College of Engineering,	ECE	Excellent	Excellent	Excellent	Very Good	Very Good	Nothing more
2016/1/04 11:19:09 AM G	Sneha Sebastian	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Excellent	Excellent	Nil
2016/1/04 11:19:09 AM G	Sona Thampi	Mangalam College of Engineering,	CSE	Excellent	Excellent	Very Good	Very Good	Very Good	no
2016/1/04 11:19:09 AM G	Seeniya Joy	Mangalam College of Engineering,	CSE	Very Good	Very Good	Excellent	Excellent	Excellent	Its great
2016/1/04 11:19:09 AM G	Seelakshmi D Uruti	Mangalam College of Engineering,	CSE	Excellent	Excellent	Very Good	Very Good	Very Good	It was a good class
2016/1/04 11:19:09 AM G	Srutty M Nair	Mangalam College of Engineering,	ME	Very Good	Very Good	Very Good	Excellent	Excellent	
2016/1/04 11:19:09 AM G	Srutty P B	Mangalam College of Engineering,	ECE	Excellent	Very Good	Excellent	Excellent	Excellent	
2016/1/04 11:19:09 AM G	Srutty S Kumar	Mangalam College of Engineering,	ECE	Excellent	Very Good	Excellent	Excellent	Excellent	



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Ref No:

19.07.2016

CIRCULAR

Sub: Seminar

The department of Computer Science & Engineering offers a seminar on "Embracing the future: Innovations and discoveries" for CSE students on 26.07.2016. Interested students are requested to register with the class teachers on or before 24.07.2016

Coordinator

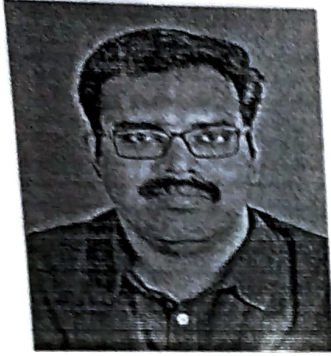
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RESOURCE PERSON PROFILE



Mr. VIPIN DAS

ASSISTANT PROFESSOR

SAINGITS COLLEGE OF ENGINEERIG

Mr. VIPIN DAS has completed Bachelors Degree in Computer Science and Engineering, Post graduation in Cyber Security and persuing Ph.D in Computer Science & Engineering. He has many years of experience in teaching Undergraduate program and Post graduate programs of M G University and KTU.

Publication

Network Intrusion Detection System based on machine learning algorithms,International Journal of Computer Science & Information Technology (IJCSIT), Vol 2, No 6, December 2010

Participations

Events Participated

- Attended Workshop on Cyber Security at IIT Bombay
- Attended FDP on Essential Mathematics for Engineering conducted by ICT Academy and APJAKTU

Events Organized

- Organized ISTE Sponsored workshop on CyberSecurity

Membership

ACM,IE,ISTE

Research Interest

Artificial Intelligence, Information Security

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MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SEMINAR ON EMBRANCING THE FUTURE :INNOVATIONS AND
DISCOVERIES

Date: 26.07.2016

The seminar was conducted for CSE students. The following things were discussed. **Innovation** is one of the most important topics concerning the long-term competitiveness of companies. **But what is innovation exactly? Why is innovation management so important for organizations? And what different types of innovation are there? In this article, you will get an easy-to-understand introduction to a complex topic.**

- What is Innovation? (Definition)
- Why is innovation so important?
- The Right Mindset for Innovation
- The Different Types of Innovation
- Managing Incremental and Disruptive Innovation
- How to Establish an Innovation Culture

What is Innovation? (Definition)

The word "innovation" is derived from the Latin verb innovare, which means to renew. In essence, the word has retained its meaning up until today. Innovation means to improve or to replace something, for example, a process, a product, or a service. In the context of companies, however, the term needs a definition. In the complex context of business, a definition is needed.

Why is innovation so important?

Organizations have several options to increase their competitiveness: they can strive for price leadership or develop a strategy of differentiation. In both cases, innovation is essential.

- Companies that choose price leadership must secure their long-term competitiveness by developing innovative, highly efficient processes. Process optimization and continuous improvement in terms of costs are important for them.
- Companies that strive for a differentiation strategy need innovation to develop unique distinguishing features to their competitors.
- Many start-ups launch their activities by developing an innovative product or service.


Continuous innovation is, therefore, crucial for all companies. The main difference is in the focus of the innovation strategy, which varies considerably from company to company.

This makes innovation one of the most important drivers for the long-term success of companies. Accordingly, methods of collaboration and teamwork are increasingly being used in numerous companies, for example,

- to promote digital innovations and
- overcome the challenges of digital change.

Innovation requires a higher degree of creativity than the operative business and a clear innovation strategy, especially in the phase of the so called "fuzzy front end of innovation".

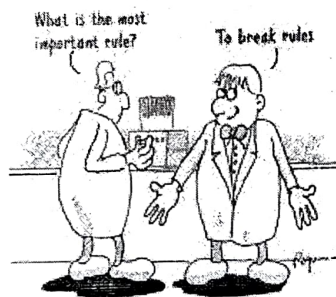
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- Concepts like lean innovation and the establishment of community-based innovation networks become increasingly relevant.
- Companies are using modern idea management software and innovation management software to manage innovation efficiently.

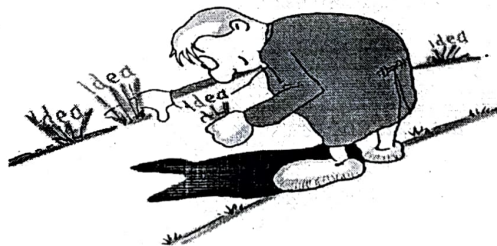
The Right Mindset for Innovation

Innovation requires more creativity and more willingness to take risks than the implementation of typical projects. To successfully realize innovation projects, a different mindset is needed. We have created four cartoons, which you are welcome to include in presentations or on your website with reference (backlink) to this page.



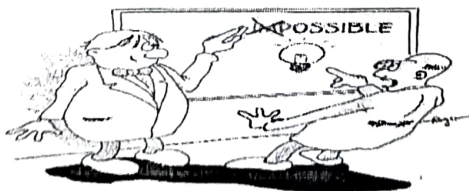
Break the rules!

With traditional approaches and conventional methods, you will often not get anywhere in the field of innovation. Challenge the status quo consistently! And explore new paths off the beaten track.



Collect ideas everywhere!

Innovation projects constantly need new ideas: To overcome obstacles, to change concepts, and to optimize strategies.



Believe in the impossible!

Imagine how your innovation will look like in reality. And believe that you will be able to overcome all obstacles on the way to realization.

My Innovation Team



Put together an innovation team of individuals with different perspectives and thinking styles!
Innovation needs the diversity of various competencies and diverse ways of thinking.

The Different Types of Innovation

In the context of businesses, there are different types of innovation.

- **Process improvement and organizational innovation:** The improvement of processes through continuous improvement and the development of new solutions.
- **Product development:** The development of innovative products or product features.
- **Service innovation:** The creation and introduction of new services for customers and partners.
- **Business Model Innovation:** The development of innovative business models and new revenue streams.

Digitalization and digital transformation also require companies to rethink and develop new approaches.

In the context of businesses, there are different types of innovation.

Process Improvement and organizational Innovation:
The improvement of processes through continuous improvement and the development of new solutions.

Product development:
The development of innovative products or product features.

Service Innovation:
The creation and introduction of new services for customers and partners.

Business Model Innovation:
The development of innovative business models and new revenue streams.

There is also a distinction between incremental innovation (improvement) and disruptive innovation (genuine novelties).

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Many Companies Focus on Incremental Innovation
There are different degrees of innovation. The mere improvement – for example, of processes or products – is called incremental innovation. Major innovations that lead to substantial changes are called disruptive innovation or radical innovation.

- Incremental innovations are, for example, the optimization of existing processes and procedures or a product line extension.
- Disruptive Innovations are, for example, major innovations such as iTunes and Google Android. These are often referred to as “digital disruption”: Innovations that change the logic of existing markets.

The Difference Between Incremental and Disruptive Innovation

For many companies, innovation means taking existing products and changing details: The color, the form, the functionalities, the size, etc.

- This form of incremental innovation ensures the competitiveness of companies in existing markets.
- In future markets, incremental innovation is often no longer sufficient. Companies must radically reinvent products and services.

To ensure their long-term innovation capability, companies worldwide have established an idea management and innovation management system that provides a structured approach: From the development of an innovation strategy to setting up an innovation roadmap and successfully implementing innovation.

Managing Incremental and Disruptive Innovation

For companies, setting up an innovation management is important in order to keep pace with changing customer needs.

Incremental innovation provides competitive advantages in terms of production costs, functionalities, or equipment.

- Conventional innovation management often does not go beyond incremental innovation: products are improved, but not reinvented.
- With methodologies like the Stage-Gate Model for the innovation of process and product development, however, companies quickly reach their boundaries, – especially in supersaturated markets.

Particularly in times of digital change, in which new customer needs emerge, companies must be able to develop more far-reaching forms of innovation and bring them to market successfully.

Disruptive Innovation Needs Different Approaches

Companies that want to drive disruptive innovation forward need to take a different approach and pursue a revolutionary path in addition to traditional methods.

- More and more businesses realize that different approaches are critical to long-term growth.
- Innovation has to be more radical in the future.
- This requires rethinking. New management techniques are being sought. More courage and willingness to take risks are necessary.

The result of such management approaches are new products and services for tomorrow's markets. Business models that are still impossible to imagine today will emerge. Small teams that can act flexibly develop innovative concepts faster to market maturity.

Methods for Managing Innovation

The methods of innovation management are as diverse as the types of innovation:

- **Innovation processes**, with which developments are steered by a clearly defined procedure through different stages and levels.
- **Open innovation and Customer co-creation**: methods that integrate customers directly into the development process.
- **Innovation labs**: Business units in which employees work on the development of innovations outside the daily business
- **Innovation challenges**: Competitions in which employees are asked to contribute solutions to overcome a company's challenges.

It is essential to select the right tools for innovation projects and to build up the innovation culture as well to increase the innovation capability of a company.




HOD

MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Seminar on Embrancing the future: Innovations and discoveries
Participants List
Date :26.07.2016

Sl.No	Register No	Name	Class
1	MLM15CS001	Abhinath S	CSE 3A
2	MLM15CS002	Abhishek Radhakrishnan	CSE 3A
3	MLM15CS005	Akshaya V Madhu	CSE 3A
4	MLM15CS006	Alan Abraham	CSE 3A
5	MLM15CS008	Aleena Ann Jose	CSE 3A
6	MLM15CS009	Alen John Thomas	CSE 3A
7	MLM15CS010	Alisha Pramod	CSE 3A
8	MLM15CS013	Amrutha C P	CSE 3A
9	MLM15CS016	Anjumol John	CSE 3A
10	MLM15CS017	Ann Merlin Binu	CSE 3A
11	MLM15CS020	Aparna Dinesh	CSE 3A
12	MLM15CS060	Liya Treesa Kunjumon	CSE3 B
13	MLM15CS063	Milan Tomy	CSE3 B
14	MLM15CS064	Minnu K Praveen	CSE3 B
15	MLM15CS065	Naveya Xavier	CSE3 B
16	MLM15CS066	Nayana N Panicker	CSE3 B
17	MLM15CS068	Nivyamol P Varghese	CSE3 B
18	MLM15CS069	Parvathy Radhakrishnan	CSE3 B
19	MLM15CS070	Parvathy Radhakrishnan	CSE3 B
20	MLM15CS071	Paul Joseph	CSE3 B
21	13008111	Abhijith A	CSE7 A
22	13008112	Abhishek Arun	CSE7 A
23	13008114	Ahammed Meeral	CSE7 A
24	13008115	Akash P Raj	CSE7 A
25	13008116	Akhil Anil	CSE7 A
26	13008117	Akhila M S	CSE7 A
27	13008118	Akshay Dev	CSE7 A
28	13008119	Akshay Raj V	CSE7 A
29	13008120	Alan Tom Koshy	CSE7 A
30	13008121	Albin John Sebastian	CSE7 A
31	13008122	Alma Raju	CSE7 A
32	13008123	Anit Theresesa Jose	CSE7 A
33	13008124	Anjali Krishnan	CSE7 A
34	13008125	Anju Jose	CSE7 A
35	13008159	Maria Sony Joseph	CSE 7B
36	13008160	Merlin K John	CSE 7B
37	13008161	Muhsina Ansari	CSE 7B
38	13008162	Nandu Nicholas	CSE 7B
39	13008163	Nayana C N	CSE 7B
40	13008164	Neena Rajan	CSE 7B
41	13008165	Neethu Joseph	CSE 7B

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Sl.No	Register No	Name	Class
42	13008166	Nikhil C Kurian	CSE 7B
43	13008167	Niyesh Shaji	CSE 7B
44	13008168	Philip Varghese	CSE 7B
45	13008169	Premy P Jacob	CSE 7B

Premy

Co-ordinator

[Signature]

HOD-CSE

Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation?]	Give your valuable feedback on the session [Was the session interactive?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic?]	Suggestions for improvement if any
2016/07/26 10:19:09 AM GN	Abhinav S	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2016/07/26 10:19:09 AM GN	Abhishek Radhakrishnan	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Null
2016/07/26 10:19:09 AM GN	Akhaya V Madhu	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	no
2016/07/26 10:19:09 AM GN	Alan Abraham	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	NIL
2016/07/26 10:19:09 AM GN	Aleena Ann Jose	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	It's good
2016/07/26 10:19:09 AM GN	Alan John Thomas	Mangalam College of Engineering.	CSE	Excellent	Very Good	Excellent	Very Good	Excellent	NA
2016/07/26 10:19:09 AM GN	Alisha Pramod	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No
2016/07/26 10:19:09 AM GN	Anurutha C P	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/07/26 10:19:09 AM GN	Anjumol John	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/07/26 10:19:09 AM GN	Aun Merin Binu	Mangalam College of Engineering.	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2016/07/26 10:19:09 AM GN	Aparna Dinesh	Mangalam College of Engineering.	CSE	Fair	Very Good	Fair	Fair	Fair	Nothing much
2016/07/26 10:19:09 AM GN	Lijya Treasa Kunjumon	Mangalam College of Engineering.	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Nothing
2016/07/26 10:19:09 AM GN	Milan Tony	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/07/26 10:19:09 AM GN	Minnu K Praveen	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions
2016/07/26 10:19:09 AM GN	Naveya Xavier	Mangalam College of Engineering.	CSE	Excellent	Very Good	Excellent	Excellent	Excellent	Nil
2016/07/26 10:19:09 AM GN	Nayana N Panicker	Mangalam College of Engineering.	CSE	Excellent	Very Good	Excellent	Excellent	Very Good	Good class... easy to understand the topics
2016/07/26 10:19:09 AM GN	Niviyamol P Varghese	Mangalam College of Engineering.	CSE	Excellent	Very Good	Very Good	Very Good	Very Good	Need to be more interactive
2016/07/26 10:19:09 AM GN	Parvathy Radhakrishnan	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2016/07/26 10:19:09 AM GN	Parvathy Radhakrishnan	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/07/26 10:19:09 AM GN	Paul Joseph	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2016/07/26 10:19:09 AM GN	Abhijith A	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/07/26 10:19:09 AM GN	Abhishek Arun	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/07/26 10:19:09 AM GN	Ahamed Meeraj	Mangalam College of Engineering.	CSE	Very Good	Very Good	Excellent	Very Good	Excellent	NIL
2016/07/26 10:19:09 AM GN			CSE	Excellent	Excellent	Excellent	Very Good	Excellent	No



Timestamp	Name	Institution Name	Branch	Give your valuable feedback on the session [How well the resource person focus on the topic?]	Give your valuable feedback on the session [How did the session compare to your expectations?]	Give your valuable feedback on the session [How would you evaluate the way of presentation]	Give your valuable feedback on the session [Was the session interesting?]	Give your valuable feedback on the session [How would you rate your overall satisfaction on the topic]	Suggestions for improvement if any
2016/07/26 10:19:09 AM GN	Akash P Raj	Mangalam College of Engineering.	EEE	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing its very good class.
2016/07/26 10:19:09 AM GN	Akhil Anil	Mangalam College of Engineering.	EEE	Very Good	Very Good	Excellent	Very Good	Very Good	Nothing
2016/07/26 10:19:09 AM GN	Akhila M S	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Excellent	Excellent	Good
2016/07/26 10:19:09 AM GN	Akshay Dev	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions.
2016/07/26 10:19:09 AM GN	Akshay Raj V	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Excellent	Excellent	No suggestions.
2016/07/26 10:19:09 AM GN	Alan Tom Koshy	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/07/26 10:19:09 AM GN	Albin John Sebastian	Mangalam College of Engineering.	ME	Excellent	Excellent	Excellent	Very Good	Excellent	No
2016/07/26 10:19:09 AM GN	Alma Raju	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Good session
2016/07/26 10:19:09 AM GN	Anit Thireresa Jose	Mangalam College of Engineering.	ECE	Very Good	Very Good	Very Good	Very Good	Very Good	nil
2016/07/26 10:19:09 AM GN	Anjali Krishnan	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	Nil
2016/07/26 10:19:09 AM GN	Anju Jose	Mangalam College of Engineering.	CE	Very Good	Excellent	Very Good	Very Good	Very Good	Nothing
2016/07/26 10:19:09 AM GN	Maria Sony Joseph	Mangalam College of Engineering.	CE	Very Good	Very Good	Very Good	Very Good	Very Good	No suggestions
2016/07/26 10:19:09 AM GN	Medlin K John	Mangalam College of Engineering.	CE	Excellent	Excellent	Very Good	Very Good	Excellent	No suggestions
2016/07/26 10:19:09 AM GN	Mulsina Ansari	Mangalam College of Engineering.	CE	Very Good	Very Good	Very Good	Very Good	Very Good	None
2016/07/26 10:19:09 AM GN	Nandu Nicholas	Mangalam College of Engineering.	BSH	Very Good	Excellent	Very Good	Excellent	Excellent	NA
2016/07/26 10:19:09 AM GN	Nayana C N	Mangalam College of Engineering.	ECE	Excellent	Excellent	Excellent	Excellent	Excellent	No
2016/07/26 10:19:09 AM GN	Nema Rajan	Mangalam College of Engineering.	CSE	Very Good	Very Good	Excellent	Very Good	Very Good	No
2016/07/26 10:19:09 AM GN	Neethu Joseph	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing more
2016/07/26 10:19:09 AM GN	Nikhil C Kurian	Mangalam College of Engineering.	CSE	Very Good	Very Good	Very Good	Very Good	Very Good	Nil
2016/07/26 10:19:09 AM GN	Niyesh Shaji	Mangalam College of Engineering.	CSE	Excellent	Excellent	Excellent	Excellent	Excellent	no
2016/07/26 10:19:09 AM GN	Philip Varghese	Mangalam College of Engineering.	ME	Very Good	Very Good	Very Good	Very Good	Very Good	Its great
2016/07/26 10:19:09 AM GN	Premy P Jacob	Mangalam College of Engineering.	ECE	Excellent	Very Good	Excellent	Excellent	Excellent	It was a good class

Ravi

Ravi



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Department of Computer Science and Engineering


[4.7.2016]

Notice

The Department of Computer Science and Engineering will be conducting a 3 day **ANDROID TECHNICAL WORKSHOP** for **SEVENTH** semester students from 14.7.2016 to 16.7.2016. Those who are interested to attend the course are advised to register by contacting the coordinator before 10.07.2016.

Co-ordinator

Anna Prathibha Shobak


for Head of Department

Mangalam College of Engineering

Department of Computer Science & Engineering
in Association with IEDC Mangalam
Organizes

THREE DAY ENABLE PROGRAM PLUS & **THREE DAY ANDROID TECHNICAL WORKSHOP** On **JULY 7, 2016** to **JULY 15, 2016**

About the Programme:

Enable is a skill development program which improves the skills like Creativity & Problem Solving, Assertiveness & Leadership which is required by a engineering graduate to build their career successfully in an entrepreneurship world.
The Android workshop train the students right from installation of platform to building an advanced application.

Who can participate:

Any B-Tech final year student, who is interested in self development and Android app development.

Registration Fee.

Rs 1450 Per student.

How to Register:

Email: anna.shobak@mangalam.in, Call: 9961687007

Organizing Partners



Mangalam Association of Computing



ICT ACADEMY OF KERALA
(A Govt. of India supported,
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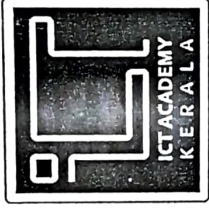


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ICT PLACEMENT TRAINING PROGRAMME ATTENDANCE SHEET DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING SEMESTER VII 2013-2017 BATCH A

SL NO	STUDENT NAME	Soft skills + Aptitude Training					Android Workshop		
		5/7/2016	9/7/2016	11/7/2016	12/7/2016	13/7/2016	14/7/2016	15/7/2016	16/7/2016
1	Athiralakshmi	Athi	Athi	Athi	Athi	Athi	Athi	< A-B	Athi
2	Athira S Nair	Athira		Athira	Athira	Athira	Athira	< A-B	Athira
3	Archana Radhakrishnan	Arch		Arch	Arch	Arch	Arch	Arch	Arch
4	Dixy Salim John	Dixy	Dixy	Dixy	Dixy	Dixy	Dixy	Dixy	Dixy
5	Geethumol Varghese	Geethu		Geethu		Geethu	Geethu	Geethu	Geethu
6	Kavya Ganeshan	Kavya		Kavya	Kavya	Kavya	Kavya	Kavya	Kavya
7	jeeva Jose	Jeeva		Jeeva	Jeeva	Jeeva	Jeeva	Jeeva	Jeeva
8	Jinu Joy	Jinu		Jinu	Jinu	Jinu	Jinu	Jinu	Jinu
9	Bineesha Theresa	Bineesha	Bineesha	Bineesha	Bineesha	Bineesha	Bineesha	Bineesha	Bineesha
10	Ahameed Meeral	Ahameed	Ahameed	Ahameed	Ahameed	Ahameed	Ahameed	Ahameed	Ahameed
11	Gizza merin	Gizza	Gizza	Gizza	Gizza	Gizza	Gizza	Gizza	Gizza
12	Alma Raju	Alma	Alma		Alma		Alma	Alma	Alma
13	Anju Jose	Anju	Anju		Anju	Anju	Anju	< A-B	
14	Anit Teresa	Anit	< A-B	<					
15	Devika sadanand	Devika	Devika	Devika	Devika	Devika	< A B C D	< A B C D	
16	Arunima Mohan	Arunima	Arunima	Arunima	Arunima	Arunima	Arunima	Arunima	
17	Greeshma K.B			Greeshma	Greeshma	Greeshma	Greeshma	< A B C D	
18	Akash .P.Raj	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
19	Akhil Anil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil
20	Akshay Raj	Akshay	Akshay	Akshay	Akshay	Akshay	< A B C D	Akshay	Akshay
21	Firoz Kamal	Firoz	Firoz	Firoz	Firoz		Firoz	Firoz	
22	Geevar Prince	Geevar	Geevar	Geevar	Geevar		Geevar	Geevar	Geevar
23	Arun Jithan	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun



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Certificate of Participation

This is to certify that Mr/Ms..... *AHAMEED NEEERAL*.....
has participated for the 3-Day Workshop on Android Programming conducted by ICT Academy of Kerala from
14.07.2016 to 16.07.2016 at Mangalam College of Engineering.



A handwritten signature in black ink, appearing to read 'Santhosh Kurup'.

Santhosh Kurup
Chief Executive Officer



ICT ACADEMY OF KERALA

Certificate of Participation

This is to certify that Mr/Ms..... *A H A M E E D M E E R A L*
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A handwritten signature in black ink, appearing to read 'Santhosh Kurup'.

Santhosh Kurup
Chief Executive Officer



ICT ACADEMY OF KERALA

Certificate of Participation

Certified that Mr./Ms. Ahameed Meeral
has participated for the Pre - Placement Orientation Programme - 'Enable'
Conducted by ICT Academy of Kerala from 8/07/2016 to 11/07/2016 at

Mangalam College of Engineering



Santhosh Kurup

Santhosh Kurup
CEO

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[Signature]




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Mangalam College of Engineering




Santhosh Kurup
CEO