EVENSEM 2017-18



SR SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delh I

FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2016-17
Branch	CSE
Name of the Faculty	Latha
Designation	AKEL Prof.
Subject/Sub. Code	Microconholler

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
110		5	4	3	2	1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?		/			
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?		/			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?		/			
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?		/			
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?		/			
6	Curriculum is suitable to the course	/				
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area		/	- (1	

Suggestions:

Signature

Principal
Sathagiri College of Engineering
Childrenandra, Hesaraghatta Read,
Bangalere-568 957



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Sapthagiri College of Engineering

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ALUMNI FEEDBACK ON CURRICULUM

We are glad that you have spent valuable years pursuing courses of your choice at SCE. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the College. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institution. Rate the adequacy of following as they were during your tenure as a student.

Year of Passing	0200 44
Branch	0
Name	RAMESH Rence & Engs
Status : Work/Study	Wall
Phone no	8050374561

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
211100	117	5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other		_			
100.00	Institution		6			
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)		/			
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution					
4	How do you rate the learning experience in terms of their relevance to the real life application		-			
5	Ability to work in teams					
6	Ability to link theory to practice					
7	How do you rate the course/curriculum content that you have learnt in relation to your current job	/		+		
8	Compatibility with industry standards	-				

Suggestions:

Various

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Can be included

Ramesh.R Signature

Principal

Sapthagirl College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore, 560 057



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STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2016-17
Branch	CSE
Name of the Student	Ashwini S
USN	15616CS017

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
NO		5	4	3	3 2	
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?		~			
2	How do you rate the allocation of the credits to the courses?		/			
3	Relevance for implementation in projects		V	Digit.		meni
4	How do you rate the electives offered in relation to the technological advancements?		V			
5	How do rate the evaluation scheme designed for each of the course?		~			
6	How do you rate the percentage of courses having LAB components?		~			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution		U			
8	Suggestions (if any)	rOced A mis	mos so Pr	e Co	neepts	Raming

flahuim Signature

Principal
Septhagiri College of Engineering
Chileasandra, Hesaraghatta Road,
Bangalore-560 057



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Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Date: 28-11-2017

To,

THE IQAC Coordinator Sapthagiri College of Engineering Bangalore - 560057.

Respected Sir / Madam,

Subject: Budget Proposal for the conduction of certification program on "KEIL PROGRAM (SGCS41)".

The Budget Proposal for conduction a certification program on KEIL PROGRAM (SGCS41)" from 22nd Jan 2018 to 27th Jan 2018 is hereby enclosed for your kind consideration and approval.

The details of the Recurring budget are given as follows:

Recurring Amount:

Sl. No.	Description	Quantity	Amount in Rs.
1	Bouquet	2	350
2	Certificates,	Students	2000
3	Others		800
	То	tal	3150

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 HOD

Professor & Head of the Densiting Computer Science Englishing Sapthagiri College of Engineering Bangalore-57



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057. Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Date: 11-11-2017

CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 13/11/2017 at 10.00AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "KEIL PROGRAM (SGCS41)".

SI No.	Faculty Name	Designation	Signature
1.	Prof. YOGESH H €	HOD	gue .
2.	Prof. MADHUSHREE	Assistant Professor	M
3.	Prof. LATHA A	Assistant Professor	\$4
4.	Prof. NANDA M3	Assistant Professor	Nande
5.	Prof. KAVITHA G	Assistant Professor	4

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

Professor & Head of the Department Computer Science Engineering Sapthagiri College of Engineering Bangalore-57



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Department of Computer Science & Engineering

Date: 11-11-2017

To,

Prof. Prayeen Kurnar K V Sambhram Institute of Technology Bangalore - 560097.

Respected Sir,

Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program

Department of Computer Scienze & Engineering have planned to conduct a certification program titled "KEIL PROGRAM (SGCS41)" for 4th semester students from 22-01-2018 to 27-01-2018. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 13/11/2017 at 10AM. We look forward to welcome you at SCE.

Thanking you

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

Yours faithfully

Professor & Head of the

Computer Science En Sapthagiri College of Engineering

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Bangalore-57



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Department of Computer Science & Engineering

Date: 14-11-2017

Minutes of Meeting

A meeting was conducted on 13-11-2017 in CSE HOD's Chamber to discuss and approve the syllabus & schedule of the 5 days Certification Course for IV semester CSE Students.

- · Course Title: "KEIL ?ROGRAM (SGCS41)".
- Resource Personnel: Prof. PRAVEEN KUMAR K V, Associate Professor, SalT, Bangalore.
- Course Duration & Date: 5 Days from 22-01-2018 to 27-01-2018.

Syllabus & Schedule of the certification program

DATES	SESSION 1 (8:30AM TO 10:30AM)	SESSION 2 (11:00AM TO 12:30PM)	SESSION 3 (1:30PM TO 4:00PM)
22/01/18 MONDAY	Introduction to Keil C Keywords Memory Models	Pointers in Keil C Generic Pointers Memory-	Hands-on demonstration of Kiel C.
23/1/18 TUESDAY	Functions in Keil C Function Declaration	Real-time Function Tasks	Hands-on demonstration of usage of Functions.
24/01/18 WEDNESDAY	Writing First C program in Keil Basic of a C program	Writing Hardware specific code	Hands-on demonstration on usage of basic concepts in programming.
25/01/18 THURSDAY	Writing C and Assembly together Interfacing C program to Assembler	Segment naming	Hands-on demonstration on writing C and Assembly together.
27/01/18 SATURDAY	Advanced C programming Function	Function Return Values	Hands on usage of advanced C concepts. • Test conduction

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Department of Computer Science & Engineering

The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

Sl No.	Faculty Name	Designation	Signature
1	Dr. YOGESH H K	HOD	900
2	Prof. MADHUSHREE	Assistant Professor	M
3	Prof. LATHA A	Assistant Professor	de,
4	Prof. NANDA M B	Assistant Professor	Marde
5	Prof. KAVITHA G	Assistant Professor	#
6	Prof. PRAVEEN KUMAR K V	Guest Speaker	That

Principal

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Professor & Head of the Dem then!
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Department of Computer Science & Engineering

CIRCULAR

The department of Computer Science and Engineering is Conducting 5 days Certification Course on "KEIL PRCGRAM (SGCS41)" for 4th semester students from 22nd Jan 2018 to 27th Jan 2018.

Hence hereby informing all fourth semester students to attend the Certification Program Compulsorily.

Co-ordinator

Pri

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057 HOD

Professor & Head of the Densitment Computer Science Englishing Sapthagiri College of Engineering Bangalore-57

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Department of Computer Science & Engineering

STUDENTS ENROLLED IN 5 DAYS CERTIFICATION COURSE ON "KEIL PROGRAM (SGCS41)" FOR 4TH SEMESTER STUDENTS. 2017-18

Sl. No.	USN	Name	Signature
1.	1SG15CS005	ADITY DEY	
2.	1SG16CS001	ABHINETRA KUMAR	Adday Day Advitationer
3,	1SG16CS002	ABHINAV ANAND	Athinar Anand Aplaigh R.
4.	1SG16CS003	ADARSH R M	Adarsh R.
5.	1SG16CS004	ADITYA DEEP	Astelipherp
6.	1SG16CS005	AISHWARYA S	Núhovarya 1
7.	1SG16CS006	AKASH KUMAR JAISWAL	Aleah Amir
8.	1SG16CS007	AMIR ALI RANGWALA	Ani C
9.	1SG16CS008	AMUL L. KATHRE	-Amul.
10.	1SG16CS009	ANAGHA R	Anaghal
11.	1SG16CS010	ANANYA R	Avaus
12.	1SG16CS011	ANJANA R	drian
13.	1SG16CS012	ANKIT KUMAR	Antit
14.	1SG16CS013	ARPITHA B Y	Arpirtho
15.	1SG16CS015	ASHISH GOUROJI	Asiah a
16.	1SG16CS016	ASHWIN RAMESH P	Almin Ramoh
17.	1SG16CS017	ASHWINI S	Ashumi.
18.	1SG16CS018	BALAJI JANARDHAN	Balas:
19.	1SG16CS019	BHARATH G N	21 athing
20.	1SG16CS020	BINDHU M V	- Sincher
21.	1SG16CS021	BINDUSHREE G L	Bindushs Chalongos Chalongos
22.	1SG16CS022	CHAITANYA ANAND	Chalonyof
23.	1SG16CS023	CHAITRAV	Chait

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35.	1SG16CS038	HARSHITHA P - 2	Hardista
36.	1SG16CS039	JAI VENKATA SAI SRIRAM BATCHU	B. Jai VSSR.
37.	1SG16CS040	JAYANTH G	- 4.
38.	1SG16CS041	JAYANTH K N	Tayarh Krijayanth
39.	1SG16CS125	RANJITA GANAPATI HEGDE	Delata
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46.	1SG17CS405	DARSHAN V D	Darsham

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Department of Computer Science & Engineering

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48.	1SG15CS096	SAURAJEET BANARJEE	good every
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70,	1SG16CS057	PAVITHRA.S	Par
71.	1SG16CS068	PAYAL	P
72.	1SG16CS069	POOJAVASANGIHAL	boarpage sa

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75.	1SG16CS073	PRASHANTH M.S	Doashank M.S
76.	1SG16CS074	PRIYA KUMARI	Phinaen
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78.	1SG16CS077	RADHIKA SINGHAL	Rasi
79.	1SG16CS078	RAHUL KUMAR VERMA	Reviewa
80.	1SG16CS079	RAHUL PRABHU.M	Peder
81.	1SG16CS080	RAJEEV SRINIVAS	Sales
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83.	1SG16CS082	RAKSHITHA G	Havelin ,
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Principal

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Principal Sapthegiri College of Engineering Chikkesendra, Hesaraghatta Russi Bangalore-560 057



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-	113.	1SG16CS106	SUJITH K M	Sward
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Department of Computer Science & Engineering

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126.	1SG16CS119	VATSALA PARMAR	Vallale finor
127.	1SG16C5120	VIJAYA KUMAR S H	Vallale foror Viajalluros S
128.	1SG16CS122	VISHWANATHA BHAT	Vietna
129.	1SG16CS123	YASHASWINIJS	- Xal
130.	1SG16C5124	YASHI SIKLIGAR	Vasti
131.	1SG16CS129	MADIHA AMBER A N	Thadhah Ar
132.	1SG17CS411	MEGHALA S	Nechales
133.	1SG17CS412	NALINI J	Nalnit
134.	1SG17CS413	PRIYANKA D	Bryenle D.
135.	1SG17CS414	PUNITH KUMAR B N	Punith
136.	1SG17CS415	SHREELAKSHMI M M	Asedabilei
137.	1SG17CS416	SOMASHEKAR S B	& Sonat.
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139. 15G15C5102 Shwetha-S.K

Co-ordinary Shilpasheel N

141 ISGIECSUIZ Ramya.R

142 15916CS138 Suhana.D

143 [5916CS 139 Vsunda.C

SU.

Protessor & 1
Damya Romputer:

Professor & Head of the Department

Computer * lineering

Sapth. Igineering

Venuda . C

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Department of Computer Science & Engineering

5 DAYS CERTIFICATION COURSE ON "KEIL PROGRAM(SGCS41)"

ATTENDANCE

SI.	USN	Name	22/1/	18	23/1/1	8	24/1	18	25/1/	18	27/1/	18	Test
No.			MS	AS	MS	AS ·	MS	AS	MS	AS	MS	AS	
1.	1SG15CS005	ADITY DEY	0	1	2	3	u	Н	5	6	7	8	P
2.	1SG16CS001	ABHINETRA KUMAR	1	2	3	u	5	6	7	8	વ	10	P
3.	1SG16CS002	ABHINAV ANAND	1	2	_ 1	u	5	6	7	8	9	10	P
4.	1SG16CS003	ADARSH R M	ı	2	3	u	2	6	٦	8	9	10	P
5.	1SG16CS004	ADITYA DEEP	1	2	- 3	u	5	6	7	8	9	10	P
6.	1SG16CS005	AISHWARYA S	1	1	2	3	4	5	6	7	8	9	P
7.	1SG16CS006	AKASH KUMAR JAISWAL	0	1	2	3	ų	5	6	7	8	9	P
8.	1SG16CS007	AMIR ALI RANGWALA	t	2	- 2	3	u	5	6	7	8	9	P
9.	1SG16CS008	AMUL L. KATHRE	1	2	3	u	5	6	7	8	9	10	P
10	1SG16CS009	ANAGHA R	1	2	- 3	u	5	6	7	8	9	10	P
- 1	1SG16CS010	ANANYA R	1	2	3	u	7	6	7	8	9	01	P
13	2 1SG16CS011	ANJANA R		2	3	u	5	- 6	7	8	9	10	P
1.	1SG16CS012	ANKIT KUMAR	1	2	3	3	ч	5	6	7	8	9	P
1	4 1SG16CS013	ARPITHA B Y	1	2	3	u		6	7	8	8	9	P
. 1	5 1SG16CS015	ASHISH GOUROJI		1 1	2	- 3	u	- 5	6	7	8	9	P
1	6 1SG16CS015	ASHWIN RAMESH P		1	2 3	Н	15	5	6	1	8	9	P
1	7 1SG16CS017	ASHWINI S		1 2	2 3	ч	2	- 6	5	77	8	9	P
1	8 1SG16CS018	BALAJI JANARDHAN		1 5	2 3	u	5	- 6	7	8	9	10	P
1	9 1SG16CS019	BHARATH G N		1 2	_ 3	u		5 6	7	8	9	10	P
2	0 1SG16CS020	BINDHU M V	1		2 3	L	7 7	6		7 8	2	7 10	P
2	1 1SG16CS021	BINDUSHREE G L		100	_ 3	L	- 2	- 6	7	8	9	10	P

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22	1SG16CS022	ment of Comp	1		CIL	00.					19		=
		CHAITANYA ANAND	1	2	2	ч	5	6	7	8	9	10	P
23	1SG16CS023	CHAITRA V	1	2	3	u	5	6	7	8	9	10	P
24	1SG16CS024	CHATHURYA KANDIRAJU	ι	2	- 3	u	5	6	7	8	9	lo	P
25	1SG16CS025	CHITRA G	1	2	3	4	u	5	6	7	8	9	P
26	1SG16CS026	DARSHAN P	,	2	3	u	5	6	7	7	8	9	P
27	1SG16CS027	DEEPTI DNYANESHWAR GUNJAL	1	2	3		2	6	7	8	8	q	P
28	1SG16CS028	DEVANSHU SINGH	1	2	3	4	5	6	6	7	8	9	P
29.	1SG16CS029	DIVIJ N	1	2_	3	u	5	6	2	8	9	10	P
30.	1SG16CS030	DIVYA		2	77.7	u	5	6	7	8	9	10	P
31.	1SG16CS032	GOGI REDDY SIVASANKAR REDDY	1	2	2_	3	u	2	6	7	8	9	p
32	1SG16CS034	HARISH BABU A	1	2	3	4	5	6	6	7	8	9	P
33.	1SG16CS035	HARISHA N	t	2	5	u	5	6	7	8	9	10	10
34.	1SG16CS036	HARSHITA P - 1	1	2	2	3	u	5	6	7	8	9	P
35.	1SG16CS038	HARSHITHA P - 2	1	2	3	u	5	6	7	8	9	10	P
36.	1SG16CS039	JAI VENKATA SAJ SRIPAM BATCHU	0	ι	2	3	u	5	6	7	8	9	P
37.	1SG16CS040	JAYANTH G	1	2	3	u	2	i	7	8	q	10	P
38.	1SG16CS041	JAYANTH & N	ı	2	3	u	2	30.	7	8	9.	10	دا
39	1SG16CS125	RANJITA GANAPATI HEGDE	1	2	3	ч	2	6	7	8	9	10	P
40.	1SG16CS127	VIBHA M S	1	2	- 3	ų	ų	7	6	7	8	9	P

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41.	1SG17CS400	AJITH S	0	1	2	3	4	5	6	7	ક	9	P	
42.	1SG17CS401	ANJAL D	1	2_	3	ų	5	5	6	7	8	9	P	
43.	1SG17CS402	BHARATH KUMAR G	1	2	3	4	5	6	7	8	9	10	P	M
44.	1SG17CS403	BHAVYA V	1	2	3	u	5	6	6	7	P	9	P	
45.	1SG17CS404	CHETHAN KUMAR G	1	2.	3	9	5	6	7	8	9	10	P	
46.	1SG17CS405	DARSHAN V D	0	1	2	3	4	5	6	7	8	9	P	
47.	1SG15CS016	BHAVYA K H	,	2_	3	4	5	6	7	8	9	10	P	
48.	1SG15CS096	SAURAJEET BANARJEE	0	1	2	3	u	5	6	7	8	9	P	
49.	1SG1ECS042	JEEVAN B K	1	2	3	9	ŗ	6	7	8	q	10	P	N
50.	1SG16CS043	KARTHIK L	1	2_	2	3	ų	5	6	7	8-	9	P	
51.	1SG16CS044	KAUTILYA K BHAT	0	1	2	3	eq	5	6	7	S	9	P	
52.	1SG16CS045	KEERTHANA G	1	2	3	u	5	6	7	8-	cy	10	P	
53.	1SG15CS046	KESHAV PRASAD C	1	2	3	ų	5	6	7	8	9	10	P	
54.	1SG15CS047	KIRAN M	1	2	3	4	2	6	7	8-	9	16	P	
55.	1SG16CS048	KUMAR ABHIJEET	0	1	2	3	C	5	6	7	8-	9	P	
56.	1SG16CS049	KUMARESH PRAKASH MADIWALAR	0	1	2	3	لر	5	۷	7	8	9	P	
57.	1SG16CS050	LAXMI TRIPATHI	1	2_	3	9	2	6	7	8	cį	10	P	W
58.	1SG16CS051	LIKHITHA R	1	2	3	4	5	6	6	7	8	9	P	
59.	1SG16CS052	LOKESH KUMAR N	1	1	3	4	3	6	7	8	9	10	P	
60.	1SG16CS053	MADHURA K	1	2	3	4	5	6	7	8	5	10	P	
61.	19G16CS054	MAHERA ALAM	1	2	3	4	5	6	7	8	7	10	P	Ŋ
62.	1SG16CS055	MALLIKARJUN S C	1	2	3	ų	5	6	7	8-	9	lo	P	W
63.	1SG16CS056	MANJUNATH S	1	1/2/	3	u	7	6)	8	9	10	P	17

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64.	1SG16CS057	MANOJ R		2	T	3 4		5 (8		1	, P
65,	1SG16CS058	MEDHA MANSI		2	3	4			5 -		-	10	0
66.	1SG16CS059	MONICA M	,	2	3	4					- 9		1
67.	1SG16CS060	MUSKAN KEDIA	1		3					- 3		100	
68.	1SG16CS061	NAVEEN K	1	2		1	1			8	c _y	10	P
69.	1SG16CS062	NIHARIKA.S	1				5		7	8	9	10	P
70.	1SG16CS067	PAVITHRA.S	-	2		4	3	1	17	8		10	P
71.	1SG16CS068	PAYAL	+	2		9	5		17	8	100	10) ,
72.	1SG16CS069	POOJAVASANGIHAL	+	2	3	4		6	7	8	9	10	P
73.	1SG16CS071	PRAJWAL.S.V		2	2	3	3	6	7	8-	9	10	
74.	1SG16CS072	PRAKRITHI SINGH	0	2			4		2 1/23	7	8	9	P
75.	1SG16CS073	PRASHANTH M.S	1		-	4	2	+	-	8	19	10	P
76.	1SG16CS074	PRIYA KUMARI		2	3	4	5	6	7	8	9	10	P
77.	1SG16CS075	PUNEETH KUMAR	-	2	3	4	4	5	6	7	8	9	P
78.	1SG16CS077	RADHIKA SINGHAL	1	2	3	9	5	6	7	8	9	10	P
79.	1SG16CS078	RAHUL KUMAR	1	2	3	4	2	6	7	8	8	9	P
32511	2501003076	VERMA	0	1	2	3	C	5	6	7	8	9	P
80.	1SG16CS079	RAHUL PRABHU.M	0	1	2	3	4	5	6	7	8	9	P
81.	1SG16CS080	RAJEEV SRINIVAS	0	1	9	2	14					100	P
82.	1SG16CS081	RAKHI KUMARI	1	1	1	-		5	6	7	8	9	J
83.	1SG16CS082	RAKSHITHA G		1	2	3	9	2	6	7	8	9	P
84.	1SG16CS083	RASHMI KUMARI	1	2	3	4	5	5	6		8-	9	P
85.	1SG16CS126	NITIN MUNDHARA	1	2	3	9	2	6	7)	8	9	P
86.		SUNNY KUMAR	m	2	3	3	2	6	7	8	9		P P
		SHARMA	0	(2	2	4	1	6	7	8	9	Y

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T	Toward and the second										-	
1SG17CS406	HARSHITHA BH	0	1	2	3	U	5	6	7	8	9	P
15G17CS407	HEMANTH KUMAR GR	1	2	٤	ч	2	6	٦	8	9	10	P
1SG17CS408	JAGADISH J	1	2	3	4	5	6	7	8	9	10	P
1SG17CS409	MADHU R	1	2	5	cı	5	6	7	8-	9	10	ρ
1SG17CS410	MANU M C	1	2	3	9	5	6	7	8	٩	10	P
1SG15CS055	NAVEEN M	i	2	3	cı	5	6	7	8	cy	10	P
1SG16CS063	NIKHIL GOWDA .C	1	2	3	q	Ţ	6)	8-	9	10	p
1SG16CS084	RASHMI S P	1	2	3	q	5	6	٦	8	a		P
1SG16CS085	RASHMI SURYA	1	2	3	a	Ç,	T	6	7	8	9	P
1SG16CS087	RIBANSHU KESHRI	0	1	2	3	q	5	6	7	8	9	P
1SG16CS088	ROHAN BIDAPPA.A.C	1	2	3	H	5	6	4	8	9	10	P
1SG16CS089	SIDHEERAJ	D	1	2		H	5	6	7	8	9	P
1SG16CS090	SACHINKUMAR S	1	2	3	H	5	6	7	8	9	10	P
1SG16CS091	SALIL SANKRITYA	1	2	3	4	5	6	7	8	9	10	P
1SG16CS093	SANJAY KUMAR A N	1	2	3		5	6	7	8	9	10	P
1SG16CS094	SANTOSH JUNTPALLY	0	1	2	2	3	4	5	6	7	8	P
1SG16CS095	SAURABH DOKANIYA	0	i	2	3	4	5	6	7	8	9	P
1SG16CS096	SAURAV SIROHI	0	1	2	3	4	5	6	7	8	9	P
1SG16CS097	SHANTANU PAWAR	1	2	3	4	5	6		8	9	10	P
1SG16CS099	SHASHANK SHEKAR	1		7	4	5	6	7	8	9	+80	P
1SG16CS100	SHILPASHREE.M.C	ĺ	2		78.55	-	6	7	8	9		P
1SG16CS101	SНОВНА К	1	2	3		5	6	7	8	8	9	P
1SG16CS102	SHRAVANI V			3		5		7	8	9	10	P
	1SG17CS408 1SG17CS409 1SG17CS410 1SG15CS055 1SG16CS063 1SG16CS084 1SG16CS085 1SG16CS088 1SG16CS089 1SG16CS090 1SG16CS091 1SG16CS091 1SG16CS094 1SG16CS095 1SG16CS095 1SG16CS096 1SG16CS097 1SG16CS099 1SG16CS099	1SG17CS407 HEMANTH KUMAR GR 1SG17CS408 JAGADISH J 1SG17CS409 MADHU R 1SG17CS410 MANU M C 1SG15CS055 NAVEEN M 1SG16CS063 NIKHIL GOWDA .C 1SG16CS084 RASHMI S P 1SG16CS085 RASHMI SURYA 1SG16CS087 RIBANSHU KESHRI 1SG16CS088 ROHAN BIDAPPA.A.C 1SG16CS099 SACHINKUMAR S 1SG16CS090 SACHINKUMAR S 1SG16CS091 SALIL SANKRITYA 1SG16CS093 SANJAY KUMAR A N 1SG16CS094 SANTOSH JUNTPALLY 1SG16CS095 SAURABH DOKANIYA 1SG16CS096 SAURAV SIROHI 1SG16CS097 SHANTANU PAWAR 1SG16CS099 SHASHANK SHEKAR 1SG16CS100 SHILPASHREE.M.C 1SG16CS101 SHOBHA K	1SG17CS407 HEMANTH KUMAR RR SG17CS408 JAGADISH J SG17CS409 MADHU R SG17CS410 MANU M C SG15CS055 NAVEEN M SG16CS063 NIKHIL GOWDA . 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C 1 2 3 1SG16CS084 RASHMI S P 1 2 3 1SG16CS085 RASHMI SURYA 1 2 3 1SG16CS086 ROHAN BIDAPPA.A. C 1 2 3 1SG16CS088 ROHAN BIDAPPA.A. 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5 days Certification Course on "KEIL PROGRAM (SGCS41)"

TEST TIME TABLE

SL.NO	DATE / DAY	TIMINGS
1 .	27/1/2018	4:00PM - 5:00PM
	SATURDAY	

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5 DAYS CERTIFICATION COURSE ON "KEIL PROGRAM (SGCS41)"

QUESTION PAPER

I. Which of the following are header files? a) #include b) file c) struct() d) proc()
2. Which is the standard C compiler used for the UNIX systems? a) Simulator b) compiler c) cc d) SC
3. Which compiling option is used to compile programs to form part of a library? a) -c b) -p c) -f d) -g
4. Which of the following is also known as loader? a) locater b) linker c) assembler d) compiler
5. Which of the following gives the final control to the programmer? a) linker b) compiler c) locater d) simulator
6. Which command takes the object file and searches library files to find the routine calls? a) simulator b) emulator c) debugger d) linker 7. Which assembler option is used to turn off long or short address optimization? a) -n b) -V c) -m d) -o Principal Sapthagiri College of Engineering
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8. Which assembler option runs the m4 macro preprocessor on the source file; a) -n b) -m c) -V d) -o
9. Which of the following describes the connections between the entity port and the local component? a) port map b) one-to-one map c) many-to-one map d) one-to-many maps
10. Who proposed the CSA theory? a) Russell b) Jacome c) Hayes d) Ritchie
11. Which of the following s a systematic way of building up value sets? a) CSA theory b) Bayes theorem c) Russell's power mode; d) first power model
12. Which of the following is an abstraction of the signal impedance? a) level b) strength c) size d) nature
13. Which of the following is an abstraction of the signal voltage? a) level b) strength c) nature d) size
Which wait statement does follow a condition? a) wait for b) wait until

c) wait

d) wait on

15. Which of the following is a C++ class library?

a) C++

b) C

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- c) java
- d) SystemC
- 16. Which model of SystemC uses floating point numbers to denote time?
- a) SystemC 1.0
- b) SystemC 2.0
- ci SystemC 3.0
- d) SystemC 4.C
- 17. Which model of SystemC uses the integer number to define time?
- a) SystemC 1.0
- b) SystemC 2.0
- c) SystemC 3.0
- d) SystemC 4.0
- 18. What does ESL stand for?
- a) EEPROM system level
- b) Electronic-system level
- c) Electrical system level
- d) Electron system level
- 19. What to TLM stand for?
- a) transfer level modelling
- b) triode level modelling
- c) transaction level modelling
- d) transistor level modelling
- 20. Which of the following function can interpret data in the C language?
- a) printf
- b) scanf
- c) proc
- d) file
- 21. What is the first stage of the compilation process?
- a) pre-processing
- b) post-processing
- c) compilation
- d) linking
- 22. Which of the following produces an assembler file in the compilation process?
- a) pre-processor
- b) assembler
- c) compiler
- d) post-processing
- 23. Which fi e is converted to an object file?
- a) hex file

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- b) decoded file
- c) coded file
- d) assembly file
- 24. Which of the following contains the hexadecimal coding?
- a) object file
- b) assembly file
- c) coded file
- d) decoded file
- 25. Which of the following processes the source code before it goes to the compiler?
- a) compiler
- b) simulator
- c) pre-processor
- d) emulator

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
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3.	Prof. LATHA A	Assistant Professor	1
4.	Prof. NANDA M B	Assistant Professor	Mardie
5.	Prof. KAVITHA G	Assistant Professor	4
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SCHEME

1. Answer: a

Explanation: The #include is a header file which defines the standard constants, variable types, and many other functions. This can also include some standard libraries.

2. Answer: c

Explanation: The cc is the standard C compiler used in the UNIX system. Its command lines can be pre-processed, compiled, assembled and linked to create an executable file.

3.Answer: a

Explanation: There are several options for the compilers. The option -c compiles the linking stage and then leaves the object file. This option is used to compile programs to form a part of the library.

4. Answer: b

Explanation: The linker is also known as a loader. It can take the object file and searches the library files to find the routine it calls.

5.Answer: a

Explanation. The linker can give the final control to the programmer concerning how unresolved references are reconciled, where the sections are located in the memory, which routines are used, and so on.

6. Answer: d

Explanation: The linker is also known as a loader. It can take the object file and searches the library files to find the routine it calls. The linker can give the final control to the programmer concerning how unresolved references are reconciled, where the sections are located in the memory, which routines are used, and so on.

7.Answer: a

Explanation: The option -o puts the assembler into the file obj file, -V can write the assembler's version number on the standard error output, -m runs the macro preprocessor on the source file and -n turns off the long or short address optimization.

8.Answer: b

Explanation: The option -o puts the assembler into the file obj file, -V can write the assembler's version number on the standard error output, -m runs the macro preprocessor on the source file and -n turns off the long or short address optimization.

9. Answer E

Explanation The port map describes the connection between the entity part and the local component.

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The component is declared by component declaration and the entity ports are mapped with the port mapping.

10.Answer: c

Explanation: The CSA theory is proposed by Hayes and this theory is based on the systematic way of building up value sets.

11. Answer: a

Explanation: The CSA theory is proposed by Hayes. The theory is based on the systematic way of building up value sets, that is the electronics design system uses a variety of value sets, like 2, 3 etc. The goal of ceveloping discrete value sets is to avoid the problems of solving network equations.

12.Answer: b

Explanation: The systems contain electrical signals of different strengths and it needs to compute the strength and the logic level resulting from a connection of two or more sources of electrical signals. The strength is the abstraction of the signal impedance.

13.Answer: p

Explanation: The systems contain electrical signals of different strengths and it needs to compute the strength and the logic level resulting from a connection of two or more sources of electrical signals. The strength is the abstraction of the signal impedance.

14.Answer: b

Explanation: The systems contain electrical signals of different strengths and it needs to compute the strength and the logic level resulting from a connection of two or more sources of electrical signals. The strength is the abstraction of the signal impedance.

15.Answer: d

Explanation: System C is a C++ class library which helps in solving the behavioural, resolution, simulation time problems.

16.Answer: a

Explanation: The SystemC includes several models of the time units. SystemC 1.0 uses floating point numbers which denote time.

17.Answer: b

Explanation: The SystemC includes several models of the time. System 2.0 is an integer model to define time and this model also supports physical units such as microseconds, nanoseconds, picoseconds etc.

18.Answer: b

Explanation: The ESL is electronic-system level and the SystemC is assoc ated with the ESL and TLM. The SystemC is also applied to the architectural exploration, performance modelling, software development and so on.

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19.Answer: c

Explanation: The TLM is transaction-level modelling and the SystemC is associated with the ESL and TLM.

20.Answer: b

Explanation: The scanf and printf are the well-known functions in the C language which is used to interpret data and print data respectively.

21.Answer: a

Explanation: The pre-processing involves the first stage of the compilation process in which the include fi as are added. This file defines the standard functions, constants etc and the output is fed to the compiler.

22. Answer: c

Explanation: The output of the pre-processor is given to the compiler in which it produces an assembler file from the instruction codes of the processor.

23. Answer: d

Explanation: The output of the pre-processor is given to the compiler which produces an assembler file from the instruction codes of the processor and this possesses libraries. The assembly file is then converted into the object file and this contains the hexadecimal coding.

24. Answer: a

Explanation: The output of the pre-processor is given to the compiler which produces an assembler file from the instruction codes of the processor and this possesses libraries and then these assembly file is converted into the object file and this possesses the coding of hexadecimal.

25.Arswer: c

Explanation: The pre-processor is responsible for processing the source code before it goes to the compiler and this in turn allows the programmer to define variable types, constants, and much other information.

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3.	Prof. LATHA A	Assistant Professor	A.
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6.	Prof. PRAVEEN KUMAR K V	Guest Speaker	Stay

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1. Were all the communications satisfactory?	1	2	3	4	5				
2. Hands on session were up to the mark.	1	2	3	4	5				
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4. I would be interested in attending a follow-up of this program.	1	2	3	4	5				
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7. How do you rate out of 10 about the overall program if 10 is maximum									
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ON: 1561668016								
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2. Hands on session were up to the mark			1	2	3	4	LS	
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Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

Name:						
N: 18917 CJ403						
1. Were all the communications satisfact	tory?	1	2	3	4 -5	
2. Hands on session were up to the mark		1	2	3 _	4 5	
3. The Speaker was knowledgeable on the	ne topic.	1	2 -	3	4 5	
4. I would be interested in attending a fo	llow-up of this prograr	n, 1	2	3	4 4	/
5. Given the topic, was this Course:	a. Too short	b. Right lengh			c. Too long	
6. In your opinion, was this Course:	a. Too short	b. Right lengh	Ø		c. Too long	
7. How do you rate out of 10 about the o	verall program if 10 is					
8. Any Suggestions for improvisation of Wanted Kard	Certification Course	lo du unboac	d kel	l soft	سمعو	
Thank y	ou! Please return this					

Thank Student Signature

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

> Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road Bangalore-560 057



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Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

Name: .Hnjol: D								
On:[SS]LACS.401								
1. Were all the communications satisfac	tory?		1	2	3	1	3	
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3. The Speaker was knowledgeable on t	he topic.		1	2	3	4	5	
4. I would be interested in attending a follow-up cf this program.					3	4	8	
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Thank	you. I lease le	turn this	orm to the coo	dill'ito				

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Anjal D' Student Signature

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



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Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

Name: Chaitra · V Sn: Isla16CS023				
Were all the communications satisfactory?	1	2	3 4 .	_5
2. Hands on session were up to the mark.	1	2	3 4	5
3. The Speaker was knowledgeable on the topic.	1	2	3 4	5
4. I would be interested in attending a follow-up of this program.	1	2	3 4	5
5. Given the topic, was this Course: a. Too short 🗆 b.	Right lengh		c. Too !	ong 🗆 -
6. In your opinion, was this Course: a. Too short D	Right lengh		c. Too	long
7. How do you rate out of 10 about the overall program if 10 is max	ximumJ			
8 Any Suggestions for improvisation of Certification Course Some mole Pointed in Kerl	Inlos	nele	n abat	
Thank you! Please return this for	m to the coo	rdinato	r	
Principal Principal Capthagiri College of Engineering			Student Sig	mature
Canthadiri College of Eliginary				

Chikkasandra, Hesaraghatta Rose Bangalore-560 057

> Principal Sapthagiri College of Engineering Chikkesandra, Hesaraghatta Road Bangalore-560 057



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Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

Name: RAKHI CUMARI N: ISGIGCSO81						
Were all the communications satisfactory?	1	2	3	4	5	
2. Hands on session were up to the mark.	1	2	3	4	5	
3. The Speaker was knowledgeable on the Topic.	1	2	3	4	5	
4. I would be interested in attending a follow-up of this program.	1	2	3	-4	5	
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6. In your opinion, was this Course: a. Too short	b. Right lengh			c. Too lo	ng	
7. How do you rate out of 10 about the overall program if 10 is m	aximum8					
8. Any Suggestions for improvisation of Certification Course Some Projects On Keel he	ay to b	n d	cmo	nstra	tce	<i>!</i>
Thank you! Please return this fo	orm to the coo	rdinato	r			

- Rakhi

Student Signature

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 357

Principal
Sapthegiri College of Engineering
Chikkasandra, Hesaraghatta R:
Bangalore-560 057



Name: Suchen Kumas S

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Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

ON: 1841645090								Pi.
1. Were all the communications satisfa	ctory?		1	2	3 _	4	5	
2. Hands on session were up to the man	rk.		1	2	3	4	8	
3. The Speaker was knowledgeable on	the topic.		1	2	3	4	5	
4. I would be interested in attending a	follow-up of this	s program	. 1	2	3	4	-5-	
5. Given the topic, was this Course:	a. Too short		b. Right lengh	0		c. Toc 1	ong	
6. In your opinion, was this Course:	a. Too short		b. Right lengh			c. Toc l	ong	
7. How do you rate out of 10 about the	overall progran	n if 10 is r	maximum9.					
8 Any Suggestions for improvisation of Somemar Gel	of Certification	Course	xemples	han te	s te	dgi	eure	d.
Thank	you! Please re	turn this	form to the coo	rdinato	r			

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 Student Signature

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



No of students

SAPTHAG RI COLLEGE OF ENGINEERING

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Department of Computer Science & Engineering

FEEDBACK ANALYSIS

Certification Programme: "KEIL PROGRAM (SGCS41)"

No. of stude	nts	5	tudent Feedback		
	Excellent	Very Good	Good	Fair	16
50	45	2	3	0	7/11
50	90%				
40					
30					
20 -					
10	e e	4%	6%	09/	
0 -		Participal N		0%	
	Excellent	Very Good	Good	Fair	

Action Report:

94% of students were completely happy with the certification program, 4 % of students felt it was a very good program, 6% of students felt it was a good program and remaining 0% students were satisfied with the program.

Student Feedback Analysis

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

Program Coordinator

nolee

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Professor & Head of the Department Computer Science Engineering Sapthagiri College of Engineering Bangalore-57

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

PROGRAM(SGCS41)" from 22/1/2018 to 27/1/2018 organized by The Department of has participated in 5 days Certification Course on "5 DAYS CERTIFICATION CONPRE ON "KEIL Computer Science and Engineering. SMY/MS

COORDINATOR

QC

Sapthagiri College of Engineering Chikkasandre, Hesstraghama Road,

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

PROGRAM(SGCS41)"from 22/1/2018 to 27/1/2018 organized by the Department of Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL KIRAN M

has participated in 5 days

Computer Science and Engineering.

New Y COORDINATOR

Sapthagiri College of Engineering Chikkasar . Pesaraghatta Road.

But torn-550 057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

has participated in 5 days PROGRAM(SGCS41)"from 22/1/2018 to 27/1/2018 organized by the Department of Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL PAYAL Computer Science and Engineering. Mr/Ms

Mende COORDINATOR

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road,

Bar, John 560 057

DEPARTMENT OF COMPUTER SCIENCE AND FRGNERAGE



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

PROGRAM(SGCS41)" from 22/1/2018 to 27/1/2018 organized by the Department of Wit/Ms KNHUL KUMAR VERMA has participated in 5 days Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL Computer Science and Engineering.

COORDINATOR

Principal PRINCIP

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road,



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Department of Computer Science & Engineering

POST EVENT REPORT ON CERTIFICATION COURSE

"KEIL PROGRAM (SGCS41)"

Department of Computer Science & Engineering conducted Certificate Course on "KEIL PROGRAM (SGCS41)" from 22nd Jan 2018 to 27th Jan 2018.

- Objective of the Course: The five day course made the students to be familiar with the major concepts in "KEIL PROGRAM" which is a main platform for their career. Certificate Course became the vital step to improve the knowledge of students.
- ♣ Resource Person: Prof. Praveen Kumar K V, Associate Professor, SalT, Bangalore.
- ♣ Duration of the course: Fivedays from 22nd Jan 2018 to 27th Jan 2018.

The students attended the cert fication program. The course was successfully organized and carried out by Computer Science & Engineering department.

Speaker delivered talk and Hands on session on the following topics and the training program covered the following domains.

- 1. Introduction to Keil C
- 2. Pointers in Keil C
- 3. Functions in Keil C
- 4. Writing C and Assembly together
- Interfacing C program to Assembler
- 6. Advanced C programming
- 7. Hands-on demonstration

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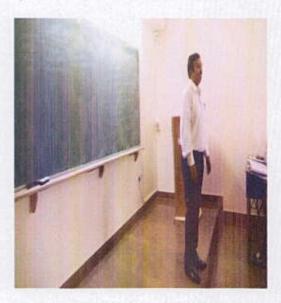
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057. Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

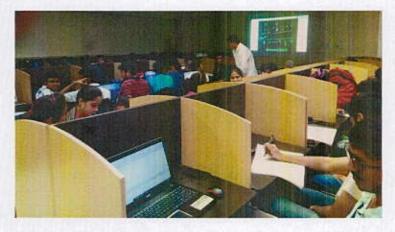
FEW SCREENSHOTS OF THE PROGRAM



Speaker Dr. Praveen Kumar K V delivering Concepts on Keil Programming.



Speaker delivering concepts on Advanced C programming



Speaker guiding students in lab how to Interface C program to Assembler

Coordinator

Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Professor & Head of the Department Computer Science Engineering Sapthagiri College of Engineering Bangalore-57

ODD SEM 2017-18



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

ALUMNI FEEDBACK ON CURRICULUM

We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the College. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our Institution. Rate the adequacy of following as they were during your tenure as a student.

Year of Passing	2016	
Branch	t SE	
Name	Charka cmouli	
Status: Work/Study	Working	
Phone no	9482016015	

Rate the curriculum/syllab is on the following Points

SL NO	Statements	Excellent	Very gcod	Good	Average	Below Average
110		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution	11020	la kan t	a 14	in Testable	
2	Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)	/				
3	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution	/				
4	How do you rate the learning experience in terms of their relevance to the real life application	/		776		
5	Ability to work in teams	/		1000		
6	Ability to link theory to practice	/		148.81		
7	How do you rate the course/curriculum content that you have learnt in relation to your current job	/				
8	Compatibility with industry standards	/				

Suggestions:

Signature

Principal .

Sapthagiri College of Engineering Chikkasandra, Hesaraghatia Road, Bangalore- 560 057



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

FACULTY FEEDBACK ON CURRICULUM

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2016-17
Branch	CSE
Name of the Faculty	Latha
Designation	ARKE Prol.
Subject/Sub. Code	Microconholler

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
1	D	5	4	3	2	- 1
1	Do you feel that the curriculum is defined in a way to clarify your teaching goals and what you expect your students to learn?		/			
2	Is the curriculum suffcient to bridge the gap between industry standards /current global scenarios and academics?		/			
3	Is the timely coverage of curriculum possible in the mentioned number of hours?		/			
4	Suffcient reference material and books are available for the topics mentioned in the curriculum?					
5	The evaluation methods mentioned in the curriculum are suffcient for providing proper assessment?					
6	Curriculum is suitable to the course					
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area					

Suggestions:

Signature

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057



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Sapthagiri College of Engineering

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STUDENTS FEEDBACK ON CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the program of studies/institution.

Academic Year	2016-17	
Branch	CSE	
Name of the Student	Ashwini S	
USN	1561605017	

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?		~			
2	How do you rate the allocation of the credits to the courses?		/			
3	Relevance for implementation in projects	7 (1)	1			
4	How do you rate the electives offered in relation to the technological advancements?		~			
5	How do rate the evaluation scheme designed for each of the course?		1			
6	How do you rate the percentage of courses having LAB components?		~			
7	Curriculum is sufficient to make you analyze the engineering problems and its suitable solution		V			
8	Suggestions (if any)	roced A mic	mor	e Co	nlept8 6 Peog	Raining

Azhumi

Signature

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057



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Department of Computer Science & Engineering

CIRCULAR

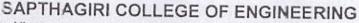
Date: 15/05/2017

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2017-18. The meeting is scheduled on 16/05/2017 at 10.30 AM in HODs chamber.

SI No.	Faculty Name	Designation	Signature
1.	Dr. PRASHANTH C M	HOD	Q/
2.	Prof. MADHUSHREE	Assistant Professor	m
3.	Prof. LATHA A	Assistant Professor	d-
4.	Prof. VEENA K R	Assistant Professor	(fel
5.	Prof. KAVITHA G	Assistant Professor	4

Principal
Sapthagiri College of Engineering
Chikkasandra, Heseraghatta Road,
Bangalore- 560 057

Professor & Head of the Us.
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57





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Department of Computer Science & Engineering

Date: 16/05/2017

MINUTES OF MEETING

With reference to circular dated on 15/05/2017, the academic committee member assembled in HODs chamber for addressing the following agenda.

Agenda:

- Reviewing the analysis of department curriculum syllabus of Academic Year 2017-2018.
- Reviewing the feedback analysis of various stake holders of the Academic year 2016-17
- Identifying the gaps in the syllabus
- Action to be t≥ken for the identified gaps.

During the meeting tae following members were present

SI No.	Faculty Name	Designation	Signature
1.	Dr. PRASHANTH C M	HOD	(Q)
2.	Prof. MADHUSHREE	Assistant Professor	M
3.	Prof. LeTHA A	Assistant Professor	4
4.	Prof. VEENA K R	Assistant Professor	Lill
5.	Prof. KAVITHA G	Assistant Professor	4

The following points were discussed in the meeting

- 1. The committee members reviewed the analysis of department curriculum syllabus.
- The committee members discussed about the feedback analysis of department curriculum syllabus.
- 3. The members identified the gaps based on the analysis.
- 4. The following actions were taken for the gaps that are identified.

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Department of Computer Science & Engineering

SL.NO	SEM	Course Title	Identified Gap
1	VI-A/B	COMPUTER NETWORKS-2 (10CS64)	Lack of practical implementation concepts of the networking devices.
2	III-A/B	COMPUTER ORGANIZATION (15C534)	Lack of practical implementation of the embedded systems

Action Taken:

Based on the feedback obtained from Students, Faculties, Alumni and employer and analysis of syllabus by department academic committee members, it was decided to conduct certification courses on "INTERNET OF THINGS (SGCS72)" and "KEIL PROGRAM (SGCS41) to overcome the gaps identified in the curriculum/syllabus.

Principal
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Bangalore- 560 057

HOD, CSE

Professor & Head of the 'Computer Science Englishing Sapthagiri College of Engineering Bangalore-57



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Department of Computer Science & Engineering

Date: 17-05-2017

To

IQAC Coordinator Sapthagiri College of Engineering Bangalore -560 057

Respected Sir/Madam,

Subject: Requisition for conduction of certification courses and approval from Governing Council.

With respect to the Academic committee members meeting held for analyzing department curriculum/syllabus for the academic year 2017-18. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To be dge the gaps identified in the curriculum, the committee members decided to conduct certification courses on "INTERNET OF THINGS (SGCS72)" from 24.07.2017 to 28.07.2017 and KEIL PROGRAM (SGCS41)" from 22.01.2018 to 27.01.2018, for the academic year 2017-18. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

Enclosure: Budget Proposal.

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HOD
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57



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Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Date: 17-05-2017

To,

THE IQAC Coordinator
Sapthagiri College of Engineering
Bangalore - 560057.

Respected Sir/Madam,

Subject Eudget Proposal for conduction of certification program on "INTERNET OF THINGS (SGCS72)"

The Budget Proposal* for conduction of a certification program on "INTERNET OF THINGS (SGCS72)" from 24/07/2017 to 28/07/2017 is hereby enclosed for your kind consideration and approval.

The details of the Recurring budget are given as follows:

Recurring Amount:

Sl. No.	Description	Quantity	Amount in Rs.									
1	Bouquet 2 Certificates · Students		Bouquet 2		Bouquet 2	2	300					
2			Certificates · Students	Students	2000							
3	Others		800									
	Total	al	3100									

Principal

Sapthagiri College of Engineering Chikkasandra, Hasaraghatta Road, Eangalore- 560 057 HOD

Professor & Head of the Department Computer Science Englistering Sapthagiri College of Engineering Bangalore-57



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Department of Computer Science & Engineering

Date: 03-07-2017

CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 06/07/2017 at 11.30AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "INTERNET OF THINGS (SGCS72)".

SI No.	Faculty Name	Designation	Signature
1.	Prof. KAMALARSHI NAGANNA	INC HOD	, cis
2.	Prof. MADHUSHREE	Assistant Professor	M.
3.	Prof. LATHA A	Assistant Professor	de
4.	Prof. VEENA K R	Assistant Professor	Ill
5.	Prof. KAVITHA G	Assistant Professor	#

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 HOD

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Department of Computer Science & Engineering

Date: 03/07/2017

To.

Prof. Shankar Rana, Sambhram Institute of Technology, Bangalore - 560097:

Respected Sir,

Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program.

Department of Computer Science & Engineering have planned to conduct a certification program titled "INTERNET OF THINGS (SGCS72)" for 7th semester students from 24/07/2017 to 28/07/2017. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 06/07/2017 at 11:30 AM. We look forward to welcome you at SCE.

Thanking you

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 Yours faithfully

HOD

Professor & Head of the Computer Science Englishing Sapthagiri College of Engineering Bang≋lore-57





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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057. Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in Phone:080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Date: 06-07-2017

Minutes of Meeting

A meeting was conducted on 06-37-2017 in CSE HOD's Chamber to discuss and approve the syllabus & schedule of the 5 days Certification Course for VII semester CSE Students.

- · Course Title: 'INTERNET OF THINGS (SGCS72)".
- · Resource Personnel: Prof. Shankar Rana, SalT, Bangalore.
- Course Duration & Date: 5 Days from 24-07-2017 to 28-07-2017.

Syllabus & Schedule of the certification program

DATES	SESSION 1 (8:30AM TO 10:30AM)	SESSION 2 (11:00AM TO 12:30PM)	SESSION 3 (1:30PM TO 4:00PM)		
24/07/17 MONDAY	What is Internet of Things and how it is related to cloud computing concepts.	How open platforms allow to store data in cloud formats.	Hands on to store data across various cloud platforms		
25/7/17 TUESDAY	The basic usage of the Arduino, RaspberryPi & NodeMCU environment for creating your own embedded projects at low cost	How to connect your Aduino & RaspberryPi to Android phone	Hands-on demonstration creating embedded projects		
26/07/17 WEDNESDAY	Use of Aduino & Raspber yFi in IOT	How to create your own Android App using MIT App Inventor	Hands-on demonstration on creating android app using MIT		
27/07/17 THURSDAY	How to send data to the internet and talk to the cloud	How to update sensor readings on Twitter	Hands-on demonstration on sending, controlling data on cloud.		
28/07/17 FRIDAY	Various Sortware and Hardware platforms for IoT implementation	How to Control any device from anywhere across the world	Hands-on connect to cloud ready IoT server using MQTT. Test Conduction		

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The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

SI No.	Faculty Name	Designation	Signature			
1	Prof KAMALAKSHI NAGANNA	INC HOD	Klis			
2	Prof. MADHUSHREE	Assistant Professor	M.			
3	Prof. LATHA A	Assistant Professor	A			
4	Prof. VEENA K R	Assistant Professor	Cel			
5	Prof. KAVITHA G	Assistant Professor	46			
6	Prof. SHANKAR RANA	Guest Speaker	S			

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moressor & Head of the On Computer Science English Sapthagiri College of Engineering Bangalore-57



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Department of Computer Science & Engineering

CIRCULAR

The department of Computer Science and Engineering is Conducting 5 days Certification Course on Internet of Things (SGCS72) for 7th semester students from 24th July 2017 to 28th July 2017.

Hence hereby informing all seventh semester students to attend the Certification Program Compulsorily.

Co-ordinator

Principal

Sapthagiri College of Engineering Chikkasandra, Hasaraghatta Road, Eanualore-560 057 HOD

Professor & Head of the Denartment Computer Science Engli 36: ng Sapthagiri College of Engineering Bangalore-57



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Department of Computer Science & Engineering

STUDENTS ENROLLED IN 5 DAYS CERTIFICATION COURSE ON "INTERNET OF

THINGS (SGCS72)" 2017-18

SI.No.	USN	Name	Signature
1,	1SG14CS001	AAKASH KUMAR SINGH	d
2.	1SG14CS003	ABHIRAM .T	Abol.
3,	1SG14CS004	ABHISHEK .M	Ablishk M
4.	1SG14CS005	ADARSH BHAT	A Dorch
5.	1SG14CS006	AISHWARYA SWAMY	Aishranya
6.	1SG14CS008	AKARSHA .K.R	15.5
7.	1SG14CS009	AKSHATA .T.BHAT	91 Koshs
8.	1SG14CS010	AKSHAY G.S	Akshe.
9.	1SG14CS011	AMIT KUMARA	Anthony.
10.	1SG14CS012	ANANYA BANDYOPADHYAY	Ananya
11.	1SG14CS013	ANMOL ADULKIA	Anné
12.	1SG14CS014	APOORVA KULKARNI	Aprione
13.	1SG14CS018	BHARATH. S	Bhotuti-
14	1SG14CS019	BHOOMIKA .H	Bhamila
15.	1SG14CS020	BHUVANA .B	The masses
16.	1SG14CS021	BINDYA .K	B.notin
17.	1SG14CS022	BISWADEEP BHATTACHAREE	BISHADE
18.	1SG14CS023	BRAJESH JHA	Brezish gha
19.	1SG14CS024	D.S KARTIK	Brezish gha Karkik DS
20.	1SG14CS026	DEEKSHITH .L	Deephath &
21.	1SG14CS027	DINESH KUMAR	Rinezh kumar
22.	1SG14CS028	DIVESH KUMAR	True

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23.	1SG14CS029	FLAVIA FRANCIS FERNANDES	Elania Josep
24.	1SG14CS030	GAGAN .N.T	Gagan
25.	1SG14CS032	HARSHITHA .P	Harshithe f.
26.	1SG14CS033	HUMA RAFFATH MAAB .	Homa
27.	1SG14CS034	ISHAN SINGHANIA	Islam
28.	1SG14CS035	AISHWARYA H.B	Sillmery a
29.	1SG14CS036	JAGRUTHI .S	Taguist
30.	1SG:4CS037	JARITHA .M	Janisha
31.	1SG14CS038	JAYALAKSHMI .G	jevyalazh
32.	1SG14CS039	K.M MADHU KUMARI	Mahrzunas
33.	1SG14CS040	KARAN KUMAR SINGH	Koman
34.	1SG14CS041	KAUSHIK J. SHETTY	Karliki S
35.	1SG14CS043	KAWAL JEET SINGH	Kancai Jeat Sigh
36.	1SG14CS044	KOMMINDALA APARNA	Konnettoans
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38.	1SG14CS046	KRUTHIKA .M.EDGE	Louding M)
39.	15G14CS047	KUMAR PIYUSH	French Kurdhavi
40.	1SG14CS048	KUNDHAVI NANDAKUMAR	Kurdhavi
41.	1SG14CS050	KUSHAL YOGESH LOHANA	Mishalyle
42.	LSG14CS053	MANASA .H.N	lunal.
43.	1SG14CS056	MANOGNA .L	Manogna. Ly pasheren Ca
44.	1SG14CS057	MEGHANA C.G	Lacoheren Ca
45.	1SG14CS060	MOHIT RATHORE	Mokib
46.	1SG14CS061		Janila
47.	1SG14CS062	NANTHINI S.S	Thurtymiss

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49.		SUDARSHAN .B	Janey n
	1SG12CS113		Sudarlas
50.	1SG14CS128	SUHAS JAIN T.N	Schar . Til
51.	18G15CS400	ABHISHEK GOWDA .K	Abhesk
52.	1SG15CS401	ANJALI.K	Angali.
53.	1SG:5CS402	CHETHAN .M	Ckethan
54.	1SG15CS403	GIRISH S BATTUR	Birel
55.	15G15CS404	GIRISH .G	Grish G
56.	13G15CS405	GOVINDARAJU B.G	Convindence
57.	ISG15CS406	LAKSHMI .R	1 dissist
58.	1SC15CS409	NARASIMHA M RAYKAR	(Norshum Ray)
59.	13G15CS410	POOJA RAMAPPA MAGADUM	(Boyout)
60.	1SG15CS411	PREKSHA .R	Dog 215
61.	ISG15CS412	PRIYA .S	AUS
62.	LSG15CS413	PUNEETH .B	Pineetla
63.	18G15CS416	RAHUL B.R	Balus
64.	1SG15CS421	SHARATH KUMAR G.M	Starath
65.	ISG15CS422	SHRAVANI.V	Themani.
66.	ISG15CS423	SUDEEP P TULPULE	Sudi
67.	1SG15CS424	SUNIL .P	Suurl.P
68.	1SG14CS064	NEERAJ SINGH SAJWAN	New -
69.	18G14CS065	NEWBY DAS	McWay Lee
70.	1SG14CS066	NIGAM AGARWALA	Wearn
71.	1SG14CS067	NIKHIL SHARAN	718/2 1 1
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77.		PALLAVI .L	Pallav
78.		PAVAN KUMAR .B	Favan
79.	1SG14CS078	PRADYOT PRAKASH	tondersten
80.	1SG14CS079	PRANAB GUPTA	Jasuch ,
81.	1SG14CS080	PRANAY PRAKASH	Santas
82.	1SG14CS082	PREM KUMAR .R	Prem Lumar. F
83.	1SG14CS083	PRIYANKA KUMARI	Amiful
84.	1SG14CS084	PRIYANKA .R	Friya-t-
85.	1SG14CS085	PRIYANSHU	alwale:
86.	1SG14CS086	PUSHPA.S	Push-pa.s.
87.	1SG14CS087	PUSPAK JINDAL	Mungh
88.	1SG14CS088	RAKESH .C	Talch G
89.	1SG14CS089	RAKESH KUMAR	Rakish huma
90.	1SG14CS090	RAKSHITHA .R.POOJARY	Rakshethart
91.	1SG14CS091	RANJITHA .V	Rangitiany.
92.	1SG14CS093	RAVI PRAKASH KUMAR	thevi takest
93.	1SG14CS094	ROSHAN PRATAP SINGH	Rochan tratal
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96.	1SG14CS097		D:hara
97.	1SG14CS098	SAHANA .M.R	Schonam R

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98.	1SG14CS099	SANJANA .M. AITHAL	-Banjana M
99.	18G14CS100	SANKETH .P.N	Sankith.
100.	15G14CS101	SATYAM BHARTI	Satyam Bhart
101.	1SG14CS102	SAYANI CHATTERJEE .	Soport sieres
102.	1SG14CS103	SHRADDA .V	shodde.V
103.	1SG14CS104	SHRADDHA KANNAN	Sandelle
104.	1SG14CS106	SHUBHAM SINGH	Shuldrans
105.	1SG14CS107	SINDHU.S	Landhu.S.
106.	1SG14CS108	SKANDA .C. KESARKAR	Harda Keradan
107.	1SG14CS109	SOURAV KUMAR	Bowias
108.	1SG14CS110	SOWMYA .K	Sawnya K
109.	1SG14CS111	SOUMYA .S	Soumya.s
110.	1SG14CS112	P. SRIRAJ	P. Srivoj
111.	1SG14CS113	STUTI SINGH	Stylesingh
112.	1SG14CS114	SUMAN SURYA PRASAD .N	Luners
113.	1SG14CS115	SUSHMA .K	Sushma.K
114.	1SG14CS116	SWETHA .K	Swethank
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117.	1SG14CS119	VEDASHREE .D	Vedashru. D
118.	1SG14CS120	VIDYA .D.G	Vidyan.
119.	1SG14CS121	VINOODKUMAR .S	Vala
120.	1SG14CS122	VISHNU PRADEEP	Vishmi Pradley
121.	1SG14CS124	YADNIK .V. GAONKAR	Vaduet
122.	1SG14CS126	ZAIBA A.S	Zaiba AS

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5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS (SGCS72)"

ATTENDANCE

Sl.No.	USN	Name	24/	7/17	25/7/	/17	26/	7/17	27/7	/17	28/7/	17	
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	
1.	1SG14CS001	AAKASH KUMAR SINGH	1	1	2	3	4	5	6	4	5	6	P
2.	1SG14CS003	ABHIRAM .T	1	1	2	3	4	5	6	4	5	6	P
3.	1SG14CS004	ABHISHEK .M	1	1	2	3	4	5	6	4	5	6	P
4.	1SG14CS005	ADARSH BHAT	1	2	3	4	4	Ļ	5	6	4	8	P
5.	1SG14CS006	AISHWARYA SWAMY	1	2	3	4		6	7	8	9	10	P
6.	1SG14CS008	AKARSHA .K.R	1	1	2	3	4	5	6	4	8	9	P
7.	1SG14CS009	AKSHATA ,T.BHAT	1	1	2	3	L	5	6	7	8	9	P
8.	1SG14CS010	AKSHAY G.S	1	2	3	4	5	6	00000	8	9	10	P
9.	1SG14CS011	AMIT KUMARA	1	2	3	L	11-10		7	8	9	(6	P
10.	1SG14CS012	ANANYA BANDYOPADHYAY	1	2	3	4	5	-	7	8	9	(0)	P
11.	1SG14CS013	ANMOL ADULKIA	1	2	3	4	5	6	7	8	9	10	P
12.	1SG14CS014	APOORVA KULKARNI	1	2	3	4	150	G	17	8	9	10	P
13.	1SG14CS018	BHARATH. S	1	2	3	4	5	6	7	8	9	10	3
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16.	1SG14CS021	BINDYA .K	1	2	3		4		6	7	8	9	P
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21.	1SG14CS327	DINESH KUMAR	1	2	3	4	5	6	7	8	9	10	3
22.	1SG14CS028	DIVESH KUMAR	1	2	3	4	5	6	7	8	9	10	9
23.	1SG14€S029	FLAVIA FRANCIS FERNANDES	1	2	3	4	5	6	7	8	9	10	-
24.	1SG14CS030	GAGAN .N.T	1	2	3	4	3	6	7	8	9	(0	8
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37.	1SG14CS045	KRUPAL HITESH SHAH	1	1	2	2	3	4	7	8	9	(0	1
38.	1SG14CS046	KRUTHIKA .M.EDGE	1	2	2	2	3	4	7	8	9	to	3
39.	1SG14CS947	KUMAR PIYUSH	1	2	3	3	4	5	7	8	9	10	P
40.	1SG14CS048	KUNDHAVI NANDAKUMAR	1	2	3	4	5	6	7	8	9	60	39
, 41.	ISG14CSC50	KUSHAL YOGESH LOHANA	1	2	3	4	5	6	7	8	9	(0	3
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43.	1SG14CS056	MÅNOGNA .L	1	2	1	4	5		7	8	9	(0	7
44.	SG14CS057	MÉGHANA C.G	1	2	9 15 5 11	-	5		7	8	9	10	-

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46.	1SG14CS061	NAMITHA .H	1	R	3	4	S	6	-	8	9	10	P
47.	1SG14CS062	NANTHINI S.S	1	R	3	Lp	5	50	7	58	9	16	F
48.	1SG13CS422	VENKATESH B.C	1	2	3	H	4	4	7	Q	9	(0	P
49.	1SG12CS113	SUDARSHAN .B	1	2	3	H	5	6	-	8	9	10	p
50.	1SG14CS128	SUHAS JAIN T.N	1	2	3	4	5	6	7	8	q	10	P
51.	1SG15CS400	ABHISHEK GOWDA .K	1	2	3	ne	3	6	7	8	q	(0	P
52.	1SG15CS401	ANJALI .K	1	2	3	4	5	6	7	3	Q	10	P
53.	1SG15CS402	CHETHAN .M	1	2	3	ne	5	6	7	0	a	0	P
54.	1SG15CS403	GIRISH S BATTUR	1	1	2	3	4	5	6	-	8	9	P
55.	1SG15CS404	GIRISH .G	1	2	3	ne	5	6	7	8	9	10	P
56.	1SG15CS405	GOVINDARAJU B.G	1	2	3	4	S	6	-	8	q	10	f
57.	1SG15CS406	LAKSHMI .R	1	9	3	4	5	6	2	8	a	10	P
58.	1SG15CS4C9	NARASIMHA M RAYKAR	1	2	3	4	S	6	フィ	8	9	10	P
59.	1SG15CS410	POOJA RAMAPPA MAGADUM	1	2	2	2	3	4	7	8	9	10	P
60.	18G15C8411	PREKSHA .R	1	2	3	3	4	5	2	8	9	10	P
61.	1SC15CS412	PRIYA .S	1	2	3	4	5	6	7	8	9	10	P
62.	1SG15CS413	PUNEETH .B	1	2	3	4	5	6	7-		9	10	P
63.	1SG15CS416	RAHUL B.R	1	2	3	he	5	6	7	8	a	10	p
64.	1SG15CS421	SHARATH KUMAR G.M	1	2	3	74	5	6	7	8	9	10	P
65.	1SG15CS422	SHRAVANI,V	1	2	3	4	5	6	-	8	9	10	P
66.	1SG15CS423	SUDEEP P TULPULE	1	2	3	ne	5	6	7	8	q	10	n
67.	1SG15CS424	SUNIL .P	1	2	3	LA	4		T	8	9	10	10
68.	1SG14CS064	NEERAJ SINGH SAJWAN	1	2	3	H	5	-	7	8	9	10	0
69.	1SG14CSC65	NEWBY DAS	1	2	3	te	5	6	4	18	a	10	P

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70.	1SG14CS066	NIGAM AGARWALA	11	0	2	3	14	3	6	9	- 2	3	9	10)	V_
71.	1SG14CS067	NIKHIL SHARAN	1		2:	3	H	5	6	2	- 3	3	्र	10	2	P
72.		NIKHIL = SRIVASTAVA	1		2:	3	H	5	6	-	7	8	9	10	2	P
73.	1SG14CS058	NISHANTH .U	1	T	2	3	H	5	(, -	7	8	q	١	0	P
74.	1SG14CSC69	NISHCHITHA .D.S	1	I	9	3	4	5	(7	8	9	1	0	P
75.	1SG14CS073	NITESH.M.N	1		2	3	He	5	(0	7	8	9		0	P
76.	1SG14CS971 1SG14CS972	NITHIN .S	1		2	3	H	1	+ 1	4	7	8	Ce			1
77.	1SG14CS075	PALLAVI .L		1	2	3	H	, 5	5 (5	} -	8	a		0	P
78.	1SG14CS076	PAVAN KUMAR .B		1	2	3	14	5		6	7	3	C	-	0	1
79.		PRADYOT PRAKASH		1	2	3	16	2	5	6	7	00	C	(0	P
80.	1SG14CS078	PRANAB GUPTA		1	2	2	00	1	3	4	7	8	C	1	10	P
81.	1SG14CS079	PRANAY PRAKAS	Н	1	2	3	7		4	S	7	8	q	6	10	P
82.	1SG14CS082	PREM KUMAR .R		1	2	3	1	1	S	6	7	8	(R	10	P
83.	1SG14CS083	PRIYANKA KUMARI		1	2	3	. 1	9	5	6	7	18		9	10	P
84.	1SG14C3084	PRIYANKA .R		1	2	Z	5	7	S	b	7	13		9	16	P
85.	1SG14CS085	PRIYANSHU		1	1	a	2 -	3	4	5	7	3			10.	
86.	1SG14CS086	PUSHPA.S		1	2	-		1	5	6	-	7 3	3	9	10	
87.	1SG14CS087	PUSPAK JINDAL		1	8	C	Ž.	2	3	4	-	2 5	3	X	10	
88.	1SG14CS088			1	2		5	H	5				?	Q	10	
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90	1SG14CS090	RAKSHITHA .R.POOJARY		1	óx	2 =	3	14	5	16) -5	7 1	8	Q	10	1
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92	2. 1SG14CS093	RAVI PRAKASH KUMAR			1 6	?	3	H	2	> (6	A	8	e	10	1
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94.	1SG14CS095	SAI KRISHNAN	1	2	3	H	5	6	7	8	9	10	P
95.	1SG14CS096	SAGAR SRIVASTAVA	1	2	3	19	S	6	>	8	9	10	P
96.	1SG14CS097	SAHANA .B	1	2	3	H	5	6	7	8	9	10	IP.
97.	1SG14CS098	SAHANA .M.R	1	R	3	H	5	6	7	8	q	10	P
98.	1SG14CS099	SANJANA .M. AITHAL	1	2	3	H	+	4	7	8	9	10	P
99.	1SG14CS100	SANKETH .P.N	1	R	3	H	5	6	7	8	q	10	P
100.	1SG14CS101	SATYAM BHARTI	1	2	3	79	5	6	7	8	a	10	P
101.	1SG14CS102	SAYANI CHATTERJEE	1	2	3	ne	5	6	7	8	9	10	P
102.	1SG14CS103	SHRADDA .V	1	2	3	W	5	6	7	8	a	10	P
103.	1SG14CS104	SHRADDHA KANNAN	1	2	3	19	3	6	7	8	9	10	P
104.	1SG14CS106	SHUBHAM SINGH	1	2	3	4	S	6	7-	8	9	10	P
105.	1SG14CS107	SINDHU.S	1	2	3	20	5	6	7	8	9	10	P
106.	1SG14CS108	SKANDA .C. KESARKAR	1	1	2	2	3	4	7	8	9	10	P
107.	1SG14CS109	SOURAV KUMAR	1	2	3	4	5	6	つ	8	9	10	P
108.	1SG14CS110	SOWMYA .K	1	2	2	2	3	4	7	8	9	10	P
109.	1SG14CS111	SOUMYA .S	1	2	3	4	5	6	チ	8	Q	10	p
110.	1SG14CS112	P. SRIRAJ	1	200	3	4	5	6	7	8	9	10	P
111.	1SG14CS1_3	STUTI SINGH	1	2	3	H	5	6	チ	8	q	10	P
112.	1SG14CS114	SUMAN SURYA PRASAD .N	1	2	3	H	5	6	7	8	6	10	P
113.	1SG14CS115	SUSHMA .K	1	2	3	H	S	6	7	8	e	10	P
114.	1SG14CS116	SWETHA .K	1	2	3	H	5	6	7	8	Q	10	P
115.	1SG14CS117	SYED AHMAD TAQE	1	2	3	H	5	6	7	37	é	10	P
116.	1SG14CS118	VAIBHAV GUPTA	1	2	2	2	3	4	7	8	q	10	0

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117.	1SG14CS119	VEDASHREE .D	1	2	3	79	5	6	7	8	9	(0)	P	
118.		VIDYA .D.G	1	2	3	H	5	6	7	8	9	(0)	P	
119.	1SG14CS120	VINOODKUMAR .S	1	2	3	4	5	6	7	8	9	(0	P	
120.	1SG14CS121	VISHNU PRADEEP	1	2	3	12	4	4	17	8	9	10	P	
	1SG14CS122	YADNIK .V.	1	a	5	1	5	6	7		9	10	P	
121.	1SG14CS124	GAONKAR		110	1	H	-	+	1	5	C	10	P	
122.	1SG14CS126	ZAIBA A.S	1.	2	3	4	5	6	1 -	18	1			
123.	1SG13CS083	RAKSHITHA .S	1	Q	3	4	5	6	7	8	9	(0	P	
124.	1SG13CS133	PRANAV M.N	1	2	3	4	S	6	7	- 3	9	(0)	1	
125.	1SG14CS127	CHANDRA BHUSHAN PRAKASH	1	2	3	H	S	6	1	2 8	9	(0)	P	
126.	1SG15CS467	MANU K.V	1	R	1			5 6	, -	7/8			P	
127.	1SG15CS438	NAGARAJA .B	1	2	1		1	5 6) 1	7/8			-	
128.	101373	PUNITH H.R	1	2				5	6	7-8	, 9	-	P	
129.		REVANTH.C	1	2	-		1 5	5	6.	3 =	3 0	((0	7	
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5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS (SGCS72)"

TEST TIME TABLE

SL.NO	DATE / DAY	TIMINGS
1.	28/7/2017	4:00PM - 5:00PM
	FRIDAY	

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5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS (SGCS72)"

QUESTION PAPER

1,	allows us to control electronic components
	a) RETful API
	b) REST'U API
	с) НТТР
	d) MQTT
2.	MQTT stands for
	a) MQ Telemetry Things
	b) MQ T-ansport Telemetry
	c) MQ Transport Things
	d) MC Telemetry Transport
3.	MQTT is better than HTTP for sending and receiving data.
	a) True
	o) Faise
4.	. MQTT is protocol.
	a) Machine to Machine
	b) Internet of Things
	c) Machine to Machine and Internet of Things
	c) Machine Things
5	Which protocol is lightweight?
	a) VQTT
	b) F.TTP
	c) CoAP *
	d) SPI
6	 PutNub publishes and subscribes in order to send and receive messages.
	ai Network
	b) Account
	c) Portal
	g) Keys

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7.	By clicking which key the PubNub will display public, subscribe, and secret keys.
	a) Pane
	b) Demo Keyset
	c) Portal
	d) Network
8.	The messageChannel class declares the class attribute that defines the key
	string.
	a) command_key
	b) command-key
	e) commandkey
	d) Key_command
9.	method saves the received arguments in three attributes.
	a)Init
	b) Init
	c)Init
	d) _init_
10	andsaves the publish and subscribe keys that we have generated
	with the PubNub Admin portal.
	a) public_key and subscribe_key
	b) Public-key and subscribe-key
	c) publickey and subscribekey
	d) Key_public and key_subscribe
11	, specifies the function that will be called when there is a new message
	rece ved from the channel.
	a) Reconnect
	b) Error
	c) Connect
	d) Callback
12	specifies the function that will be called on an error event.
	a) Callback
	b. Error
	c) Connect
	d) Reconnect

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13.	Specifies the function that will be called when a successful connection with
	ibNut cloud
a) Ca	llback
b) En	
	nnect
d) Re	econnect
14.	specifies the function that will be called when a successful re-correction is
	oleted.
a) Ca	allback
b) E	rror
c) C	onnect .
d) R	econnect
15	specifies the function that will be called when the client disconnects.
a) C	Pallback
b) E	Frror
e) (Connect
d) I	Disconnec ^a
16. The	number of elements in the Open IoT Architecture?
a) 6	s elements
b) 8	8 elements
c) 1	7 elements
d) :	3 elements .
17. Gl	obal Sensor Network is built for
a)	Reducing cost and time for development
b)	Reducing cost and increasing time for development
c)	Increasing cost and increasing time for development
d)	Increasing cost and decreasing time for development
18. Or	e of the main characteristics of Linked Stream Data is "Live Streaming".
a) '	True
b)	False
19. Th	e huge number of devices connected to the Internet of Things has to communicate
ant	tomat cally, not via humans. What is this called?
a)	Skyne:
P)	Dot * Dot
	Francis Al

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- c) Machine 2 Machine
- di Intercloud
- 20. Internet of Things needs a lot of network connection. What is the proposed "white Space" radic standard called?
 - z) 3!uetooth
 - D) WiMax
 - 2) Weightless
 - d' Zigbee
- 21. Cpen IoT manages the registration, data acquisition, deployment of sensors and interconnected of objects, through which network?
 - ε) GSN
 - 5) X-GSN
 - c' LSM
 - d) HTTP
- 22. What is the sensor/protocol used in GSN?
 - a) HTTP protocol
 - b) CoAP protocol
 - c) MQTT pretocol -
 - d) XMPP protocol
- 23. Which is the core wrapper of GSN?
 - a) Serial
 - b) UDP
 - c) GPSTest
 - d) ZeroMQWrapper
- 24. Open IoT ontology is extending the W3C SSN ontology which supports the description of the physical and processing structure of sensors.
 - a) True
 - b) False
- is a community that is working together to establish an IoT architecture. 25.
 - a) Eclipse IoT
 - b) Red Fat
 - c) Interc oud
 - d) Bot 2 Bot

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2.	Prof. MADHUSHREE	Assistant Professor	M
3.	Prof. LATHA A	Assistant Professor	\$
4.	Prof. VEENA K R	Assistant Professor	Lette
5.	Prof. KAVITEA G	Assistant Professor	\$
6.	Prof. SHANKAR RANA	Guest Speaker	9

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5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS (SGCS72)"

SCHEME

1. Answer: a

Explanation: RETful API that allows us to control electronic components connected to our Intel Galileo Gen 2 board through HTTP requests. Answer: a

Explanation: The transition between continuous values of the image function and its digital equivalent is called Quantisation.

2. Answer: d

Explanation: MQTT was known as MQ Telemetry Transport protocol. MQTT is a lightweight protocol that runs on top of the TCP/IP protocol.

3. Answer: a

Explanation: We want to send and receive data in real time through internet and RESTful API is not the most appropriate option to do this. Instead, we will work on MQTT which is lighter than HTTP.

4. Answer: c

Explanation: : The MQTT protocol is a machine to machine and Internet of thing connectivity protocol.

5. Answer: a

Explanation: MQTT is a lightweight protocol that runs on top of the TCP/IP protocol and works with publish subscribe mechanism

6. .Answer: d

Explanation: Explanation: It is necessary to generate our PubNub publishes and subscribes keys in order to send and receive messages in the network.

7. Answer: b

Explanation: Click on Demo keyset pane and PubNub will display public, subscribe, and secret keys. We must copy and paste each of these keys to use them in our code that will publish messages and subscribe to them..

8. Answer: a

Explanation: The messageChannel class declares the command_key class attribute that defines the key string that defines what the code will understand as the command.

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9. Answer: c

Explanation: __Init__ method saves the received arguments in three attributes with the same names..

10. Answer:a

Explanation: Then, the constructor declares two local variables: public_key and subscribe_key. These local variables save the public and subscribe keys that we had generated with the PubNub Admin portal.

11. Answer:d

Explanation: The call to this message specifies many methods declared in the MessageChannel class

Callback: specifies the function that will be called when there is a new message received from the channel. Answer:a

Explanation: frequency domain

12. Answer:b

Explanation: The call to this message specifies many methods declared in the MessageChannel class

Error: specifies the function that will be called on an error event.

13. Answer:c

Explanation: The call to this message specifies many methods declared in the MessageChannel class

Connect: specifies the function that will be called when a successful connection with the PubNub cloud.

14. Answer:d

Explanation: The call to this message specifies many methods declared in the MessageChannel class

Reconnect: specifies the function that will be called when a successful re-connection is completed with the PubNub cloud.

15. Answer:c

Explanation: the call to this message specifies many methods declared in the MessageChannel class

Disconnect; specifies the function that will be called when the client disconnects from the PubNub cloud.

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16. Answer:c

Explanation: The 7 main elements are: sensor middleware (X-GSN), cloud data storage, scheduler, service delivery and utility manager, request definition, request presentation, configuration and monitoring.

17. Answer:a

Explanation: GSN is developed on the observation that most of the requirements for the application development sensor network are same. Having each sensor network development using its own custom software not only increases the cost but also takes time for development and deployment.

18. Answer:a

Explanation: Most of the data on the web is from sensing devices. To facilitate the integration of data from sensed devices and other sources, both sensor stream source and data are being enriched with schematic descriptions, creating Linked Stream Data. It shows the live data depending on our application.

19. Answer c

Explanation: Devices are connected to other devices like mobiles, laptops, etc, to communicate among themselves which is called machine to machine and that involves wireless communication techniques, serial connection and powerline connection.

20. Answer:c

Explanation: White space is nothing but gaps that sit in the frequency band used to broadcast digital TV. The development of so called "Weightless standard" is for the use of TV white space and for IOT/M2M purpose. The main intention is to reduce the cost and power utilization.

21. Answerth

Explanation: The core fundamental concept in X-GSN is the virtual sensor, which can represent not only physical devices but in general any abstract or concrete entity that observes features of any kind

22. Answer b

Explanation: Constrained Application Protocol is a specialized web transfer protocol which enables constrained devices to communicate over internet and it is required for GSN in transferring data stream.

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23. Answer:d

Explanation: Wrappers are classified as remote and local wrappers in GSN. Unlike them, the ZeroMQWrapper is a core wrapper which allows for publishing stream elements that are produced by a Virtual Sensor.

24. Answer:a

Explanation: Sensors are not constrained to physical sensing devices, rather a sensor is anything that can calculate the value of the phenomenon. Thus, either a device or Computational process or a combination of them could play the role of a sensor

25. Answer:a

Explanation: Eclipse IoT is a community that is working together to establish an IoT architecture based on open source technologies and standards.

Approved by Academic Committee Members & Guest Speaker

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Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting	g your nee	ds. We	would a	ppreciate if you coul	d
take a few minutes to share your opinions with us so that we can serve	you bette	er in futu	re.		
Name: Anmoi Adulkia USN: 15914.CS.O.13					
1. Were all the communications sat sfactory?	1	2	3	4 15	
2. Hands on session were up to the mark.	1	2	3	14 5	
3. The Speaker was knowledgeable on the topic.	1	2	3	4 5	
4. I would be interested in attending a follow-up of this program.	1	2	-3	14 5	
5. Given the topic, was this Course: a. Too short b. Ri	ight length			c. Too long	
6. In your opinion, was this Course a. Too short \Box b. R	ight lengtl	1 🖾		c. Too long	
7. How do you rate out of 10 about the overall program if 10 is maxim	ıum	7			
8. Any Suggestions for improvisation of FDP					
Thank you! Please return this form				1. 2.	

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalora-560 057

Student Signature



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Phone: 080-28 372800/1/2 Fax: 080-28 372797

Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are meeting your needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better in future.

	Name: Jagguthi S					
	usn: 159 94CS.0.36					
	Were all the communications satisfactory?	1	2	3	4 -	-5-
	2. Hands on session were up to the mark,	1	2	3	4	5_
	3. The Speaker was knowledgeable or the topic.	1	2	3	4	ş
	4. I would be interested in attending a follow-up of this program.	1	2	3	- 4	5
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	6. In your opinion, was this Course: a. Too short	b. Right length			e. Too lo	ng 🗆
D	7. How do you rate out of 10 about the overall program if 10 is m	naximum19)			
	8. Any Suggestions for improvisation					
	Satisfactory					
	Thank you! Please return this fo	orm to the coor	dinato			
				<	Taguel	HIS
				Stu	dent Sign	
	Principal			-		A

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Department of Computer Science & Engineering

Feedback Form

5 DAYS CERTIFICATION COURSE

Your feedback is critical to ensure us to check whether we are metake a few minutes to share your opinions with us so that we can				apprecia	te if you could
Name: A Poorva	10/016				
Were all the communications satisfactory?	1	2	3	X	5
2 Hands on session were up to the mark.	1	2	3	4	8
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8. Any Suggestions for improvisation >					
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Principal Sapthagiri College of Engineer	orm to the coo			A 26	UD nature

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Department of Computer Science & Engineering

FEEDBACK ANALYSIS

Certification Programme: "Internet of Things (SGCS72)"

No. of students			5	Student Feedback .	Analysis
		Excellent	Very Good	Good	Fair
15		37	4	2	2
	50				
	40	-82%			
	30				
	20				
	10				
	0		9%	4%	4%
		excellent	Very Good	Good	Fair
			Student Feedb	ack Analysis	

Action Report:

82% of students were completely happy with the certification program, 9% of students felt it was a very good program, 4% of students felt it was a good program and remaining 4% students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

Program Coordinator

Principal

Santhagiri College of Engineering Chikkasandra, Hesaraghalta Road. Bangalore #560 057 HOD

Professor & Head of the Department Computer Science Engineering Saptnagiri College of Engineering Bengalore-57



GERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr/Ms

has participated in 5 days

Certification Course on "INTERNET OF THINGS (SGCS72)" from 24/7/2017 to 28/7/2017 organized by The Department of Computer Science and Engineering.

COORDINATOR

HOD

PRINCIPAL

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560.057



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

CO	(28/7/20:	Certificati	Mr/Ms
COORDINATOR	(3)	17 organized	on Course on	BIND
		by the Depar	"INTERNE	BINDYA K
HOD P Sapthagiri Co	of the state of th	tment of Con	TOF THING	
Sapthagiri College of Engineerii		iputer Science	35 (SGCS72)	has
PRINCIPAL	Holi	28/7/2017 organized by the Department of Computer Science and Engineering.	Certification Course on "INTERNET OF THINGS (SGCS72)" from 24/7/2017 to	has participated in 5 days
		ering.	2017 to	in 5 days

Chikkasandra, Hesaraghatta Road, Bangalore- 560 057



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

	28/7/2	Certifica	Mr/Ms_
3	017 organized	tion Course on	MANO
9.	by the Departm	Certification Course on "INTERNET OF THINGS (SGCS72)	MANOGNA &
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1 Amust	28/7/2017 organized by the Department of Computer Science and Engineering	SGCS72)" from 24/7/2017 to	has participated in 5 days
	ig.	7 to	5 days

COORDINATOR

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Principal

PRINCIPAL



GERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

000	28/7/201	Mr/Ms
COORDINATOR	28/7/2017 organized by the Department of Computer Science and Engineering	GASA?
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Scipal PRINCIPAL	er Science and	has part
iPAL	Engineering.	has participated in 5 days

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Department of Computer Science & Engineering

REPORT ON CERTIFICATION COURSE

5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS(SGCS72)"

The Department of Computer Science & Engineering organized the certification course on 5 days certification course on 'Internet of Things (SGCS72)" from 24/7/2017 to 28/7/2017 for all the final year students. The students attended the certification program. The course was successfully organized and carried out by Computer Science & Engineering department.

- Course Title :Internet of Things (SGCS72)
- Resource Person: Prof. Shankar Rana, Asst Professor, Dept of CSE, Sambhram Institute of technology, Bangalore.
- Course Duration & Date: 5 Days from 24/7/2017 to 28/7/2017.

The training program coverec the following domains

- 1. Introduction to the Internet of Things
- 2. The Basics of Sensors & Actuators
- 3. The Arduino Platform
- 4. Simple LED Program for Arduino
- Creating Android App using MIT App Inventor & controlling arduino cornected devices through App.

Overall the students felt that the session was informative & gain knowledge about Internet of Things.

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangslore- 560 057



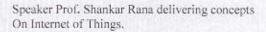
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Department of Computer Science & Engineering

FEW SCREENSHOTS OF THE PROGRAM







Hands on session and Students interacting With Speaker

Coordinator

Principal

Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangslore- 560 057 HOD

Professor & Head of the Department Computer Science Engineering Sapthagin College of Engineering Bangalore-57