EVEN SEM
2017-18

SR SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

Sapthagiri College of Engineering

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

SAPTHAGIRI
College of Engineering
Creating Tomorrow

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	Asst. Prof.
Subject/Sub. Code	Microcontroller

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		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

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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	2003-4
Branch	Computer Science & Engg
Name	RAMESH .R
Status : Work/Study	Work
Phone no	8050374561

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		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		✓			
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 frameworks of Java Can be included

Ramesh.R
Signature

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	1SG16CS017

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent 5	Very good 4	Good 3	Average 2	Below Average 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		✓			
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?		✓			
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		✓			
8	Suggestions (if any)	Need more Concepts of micro Processor Programing				

Ashwini

Signature

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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
Total			3150

Principal

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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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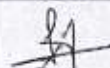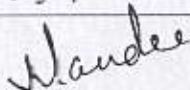**(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)**

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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)".

Sl No.	Faculty Name	Designation	Signature
1.	Prof. YOGESH H K	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. NANDA M B	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	

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Department of Computer Science & Engineering

Date: 11-11-2017

To,

Prof. Praveen Kumar 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 Science & 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

HOD
Professor & Head of the
Computer Science En
Sapthagiri College of Engineering
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 PROGRAM (SGCS41)".
- **Resource Personnel:** Prof. PRAVEEN KUMAR K V, Associate Professor, SaIT, 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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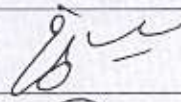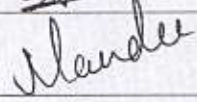(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

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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	
2	Prof. MADHUSHREE	Assistant Professor	
3	Prof. LATHA A	Assistant Professor	
4	Prof. NANDA M B	Assistant Professor	
5	Prof. KAVITHA G	Assistant Professor	
6	Prof. PRAVEEN KUMAR K V	Guest Speaker	

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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 PROGRAM (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

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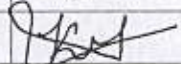
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STUDENTS ENROLLED IN 5 DAYS CERTIFICATION COURSE ON "KEIL PROGRAM (SGCS41)" FOR 4TH SEMESTER STUDENTS.   2017-18

Sl. No.	USN	Name	Signature
1.	1SG15CS005	ADITY DEY	Aditya Dey
2.	1SG16CS001	ABHINETRA KUMAR	Abhinetrakumar
3.	1SG16CS002	ABHINAV ANAND	Abhinav Anand
4.	1SG16CS003	ADARSH R M	Adarsh. R.m
5.	1SG16CS004	ADITYA DEEP	Adityadeep
6.	1SG16CS005	AISHWARYA S	Aishwarya.1
7.	1SG16CS006	AKASH KUMAR JAISWAL	Akash
8.	1SG16CS007	AMIR ALI RANGWALA	Amir
9.	1SG16CS008	AMUL L. KATHRE	Amul
10.	1SG16CS009	ANAGHA R	Anagha R
11.	1SG16CS010	ANANYA R	Anans
12.	1SG16CS011	ANJANA R	Anjan
13.	1SG16CS012	ANKIT KUMAR	Ankit
14.	1SG16CS013	ARPITHA B Y	Arpitha
15.	1SG16CS015	ASHISH GOUROJI	Ashish G
16.	1SG16CS016	ASHWIN RAMESH P	Ashwin Ramesh
17.	1SG16CS017	ASHWINI S	Ashwini
18.	1SG16CS018	BALAJI JANARDHAN	Balaji
19.	1SG16CS019	BHARATH G N	Bharth.w
20.	1SG16CS020	BINDHU M V	Bindhu
21.	1SG16CS021	BINDUSHREE G L	Bindush
22.	1SG16CS022	CHAITANYA ANAND	Chataya
23.	1SG16CS023	CHAITRA V	Chaitra

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24.	1SG16CS024	CHATHURYA KANDIRAJU	
25.	1SG16CS025	CHITRA G	
26.	1SG16CS026	DARSHAN P	
27.	1SG16CS027	DEEPTI DNYANESHWAR GUNJAL	
28.	1SG16CS028	DEVANSHU SINGH	
29.	1SG16CS029	DIVIJ N	
30.	1SG16CS030	DIVYA	
31.	1SG16CS032	GOGI REDDY SIVASANKAR REDDY	
32.	1SG16CS034	HARISH BABU A	
33.	1SG16CS035	HARISHA N	
34.	1SG16CS036	HARSHITA P – 1	
35.	1SG16CS038	HARSHITHA P - 2	
36.	1SG16CS039	JAI VENKATA SAI SRIRAM BATCHU	
37.	1SG16CS040	JAYANTH G	
38.	1SG16CS041	JAYANTH K N	
39.	1SG16CS125	RANJITA GANAPATI HEGDE	
40.	1SG16CS127	VIBHA M S	
41.	1SG17CS400	AJITH S	
42.	1SG17CS401	ANJAL D	
43.	1SG17CS402	BHARATH KUMAR G	
44.	1SG17CS403	BHAVYA V	
45.	1SG17CS404	CHETHAN KUMAR G	
46.	1SG17CS405	DARSHAN V D	

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47.	1SG15CSC16	BHAVYA K H	
48.	1SG15CS096	SAURAJEET BANARJEE	
49.	1SG16CS042	JEEVAN B K	
50.	1SG16CS043	KARTHIK L	
51.	1SG16CS044	KAUTILYA K BHAT	
52.	1SG16CS045	KEERTHANA G	
53.	1SG16CS046	KESHAV PRASAD C	
54.	1SG16CSC47	KIRAN M	
55.	1SG16CS048	KUMAR ABHIJEET	
56.	1SG16CS049	KUMARESH PRAKASH MADIWALAR	
57.	1SG16CS050	LAXMI TRIPATHI	
58.	1SG16CS051	LIKHITHA R	
59.	1SG16CS052	LOKESH KUMAR N	
60.	1SG16CS053	MADHURA K	
61.	1SG16CSC54	MAHERA ALAM	
62.	1SG16CSC55	MALLIKARJUN S C	
63.	1SG16CS056	MANJUNATH S	
64.	1SG16CS057	MANOJ R	
65.	1SG16CS058	MEDHA MANSI	
66.	1SG16CS059	MONICA M	
67.	1SG16CS060	MUSKAN KEDIA	
68.	1SG16CSC61	NAVEEN K	
69.	1SG16CS062	NIHARIKA.S	
70.	1SG16CS057	PAVITHRA.S	
71.	1SG16CS068	PAYAL	
72.	1SG16CS069	POOJAVASANGIHAL	

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No.	USN	Name	Signature
73.	1SG16CS071	PRAJWAL.S.V	
74.	1SG16CS072	PRAKRITHI SINGH	
75.	1SG16CS073	PRASHANTH M.S	
76.	1SG16CS074	PRIYA KUMARI	
77.	1SG16CS075	PUNEETH KUMAR	
78.	1SG16CS077	RADHIKA SINGHAL	
79.	1SG16CS078	RAHUL KUMAR VERMA	
80.	1SG16CS079	RAHUL PRABHU.M	
81.	1SG16CS080	RAJEEV SRINIVAS	
82.	1SG16CS081	RAKHI KUMARI	
83.	1SG16CS082	RAKSHITHA G	
84.	1SG16CS083	RASHMI KUMARI	
85.	1SG16CS126	NITIN MUNDHARA	
86.	1SG16CS128	SUNNY KUMAR SHARMA	
87.	1SG17CS406	HARSHITHA BH	
88.	1SG17CS407	HEMANTH KUMAR GR	
89.	1SG17CS408	JAGADISH J	
90.	1SG17CS409	MADHU R	
91.	1SG17CS410	MANU M C	
92.	1SG15CS055	NAVEEN M	
93.	1SG16CS063	NIKHIL GOWDA .C	
94.	1SG15CS084	RASHMI S P	
95.	1SG16CS085	RASHMI SURYA	
96.	1SG16CS087	RIBANSHU KESHRI	
97.	1SG16CS088	ROHAN BIDAPPA.A.C	
98.	1SG16CS089	SIDHEERAJ	

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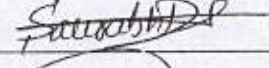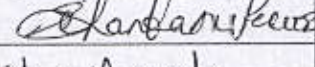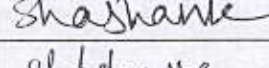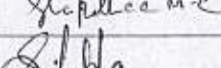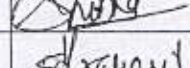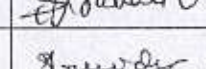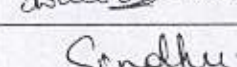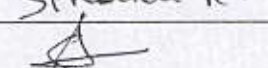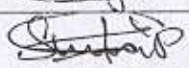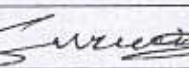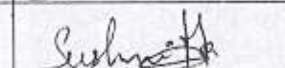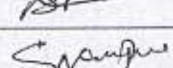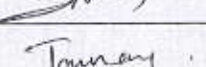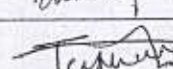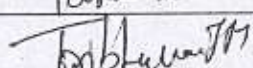
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Department of Computer Science & Engineering

99.	1SG16CS090	SACHINKUMAR S	
100.	1SG16CS091	SALIL SANKRITYA	
101.	1SG16CS093	SANJAY KUMAR A N	
102.	1SG16CS094	SANTOSH JUNTPALLY	
103.	1SG16CS095	SAURABH DOKANIYA	
104.	1SG16CS096	SAURAV SIROHI	
105.	1SG16CS097	SHANTANU PAWAR	
106.	1SG16CS099	SHASHANK SHEKAR	
107.	1SG16CS100	SHILPASHREE.M.C	
108.	1SG16CS101	SHOBHA K	
109.	1SG16CS102	SHRAVANI V	
110.	1SG16CS103	SHREEVIDYA.H.S	
111.	1SG16CS104	SINDHU R V	
112.	1SG16CS105	SOUJITA GHOSH	
113.	1SG16CS106	SUJITH K M	
114.	1SG16CS107	SUMAN R	
115.	1SG16CS108	SURUCHI RANI	
116.	1SG16CS109	SUSHMITHA B TANGADAGI	
117.	1SG16CS11C	SUSHMITHA M	
118.	1SG16CS111	SWAPNA D	
119.	1SG16CS112	TANMAY GUPTA	
120.	1SG16CS113	TEJASHWINI C A	
121.	1SG16CS114	TRIBHUVAN J M	
122.	1SG16CS115	UDAYKIRAN S	
123.	1SG16CS116	UJJWAL SHANKAR	
124.	1SG16CS117	UNNATI GUPTA	

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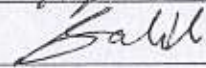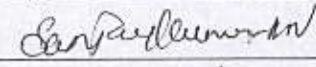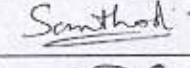Bangalore-560 057

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125.	1SG16CS118	UVAIZ K H	
126.	1SG16CS119	VATSALA PARMAR	
127.	1SG16CS120	VIJAYA KUMAR S H	
128.	1SG16CS122	VISHWANATHA BHAT	
129.	1SG16CS123	YASHASWINIJS	
130.	1SG16CS124	YASHI SIKLIGAR	
131.	1SG16CS129	MADIHA AMBER A N	
132.	1SG17CS411	MEGHALA S	
133.	1SG17CS412	NALINI J	
134.	1SG17CS413	PRIYANKA D	
135.	1SG17CS414	PUNITH KUMAR B N	
136.	1SG17CS415	SHREELAKSHMI M M	
137.	1SG17CS416	SOMASHEKAR S B	
138.	1SG15CS126	Yashaswini-N	
139.	1SG15CS102	Shwetha-S·K	
140	1SG17CS417	Shilpashree.N	
141	1SG16CS413	Ramya·R	
142	1SG16CS138	Suhana·D	
143	1SG16CS139	Vrunda·C	

Co-ordinator

Professor & Head of the Department
Computer Science Engineering
Sapth...

HOD

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

ATTENDANCE

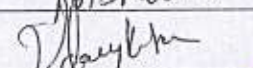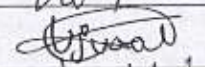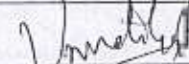| Sl. No.	USN	Name	22/1/18 MS	22/1/18 AS	23/1/18 MS	23/1/18 AS	24/1/18 MS	24/1/18 AS	25/1/18 MS	25/1/18 AS	27/1/18 MS	27/1/18 AS	Test
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13	1SG16CS012	ANKIT KUMAR	1	2	3	3	4	5	6	7	8	9	P
14	1SG16CS013	ARPITHA B Y	1	2	3	4	5	6	7	8	8	9	P
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20	1SG16CS020	BINDHU M V	1	2	3	4	5	6	7	8	9	10	P
21	1SG16CS021	BINDUSHREE G L	1	2	3	4	5	6	7	8	9	10	P

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22.	1SG16CS022	CHAITANYA ANAND	1	2	3	4	5	6	7	8	9	10	P
23.	1SG16CS023	CHAITRA V	1	2	3	4	5	6	7	8	9	10	P
24.	1SG16CS024	CHATHURYA KANDIRAJU	1	2	3	4	5	6	7	8	9	10	P
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26.	1SG16CS026	DARSHAN P	1	2	3	4	5	6	7	7	8	9	P
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38.	1SG16CS041	JAYANTH K N	1	2	3	4	5	6	7	8	9	10	P
39.	1SG16CS125	RANJITA GANAPATI HEGDE	1	2	3	4	5	6	7	8	9	10	P
40.	1SG16CS127	VIBHA M S	1	2	3	4	4	5	6	7	8	9	P

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Sl.	USN	Name											
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63.	1SG16CS056	MANJUNATH S	1	2	3	4	5	6	7	8	9	10	P

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70.	1SG16CS067	PAVITHRA.S	1	2	3	4	5	6	7	8	9	10	
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72.	1SG16CS069	POOJAVASANGIHAL	1	2	3	4	5	6	7	8	9	10	P
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74.	1SG16CS072	PRAKRITHI SINGH	1	2	3	4	5	6	7	8	9	10	P
75.	1SG16CS073	PRASHANTH M.S	1	2	3	4	5	6	7	8	9	10	P
76.	1SG16CS074	PRIYA KUMARI	1	2	3	4	1	5	6	7	8	9	P
77.	1SG16CS075	PUNEETH KUMAR	1	2	3	4	5	6	7	8	9	10	P
78.	1SG16CS077	RADHIKA SINGHAL	1	2	3	4	5	6	7	8	8	9	P
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Sl.No	USN	Name											P
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91.	1SG17CS410	MANU M C	1	2	3	4	5	6	7	8	9	10	P
92.	1SG15CS055	NAVEEN M	1	2	3	4	5	6	7	8	9	10	P
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94.	1SG16CS084	RASHMI S P	1	2	3	4	5	6	7	8	9	10	P
95.	1SG16CS085	RASHMI SURYA	1	2	3	4	4	5	6	7	8	9	P
96.	1SG16CS087	RIBANSHU KESHRI	0	1	2	3	4	5	6	7	8	9	P
97.	1SG16CS088	ROHAN BIDAPPA.A.C	1	2	3	4	5	6	7	8	9	10	P
98.	1SG16CS089	SIDHEERAJ	0	1	2	3	4	5	6	7	8	9	P
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109.	1SG16CS102	SHRAVANI V	1	2	3	4	5	6	7	8	9	10	P

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110.	1SG16CS103	SHREEVIDYA.H.S	1	2	3	4	5	6	7	8	9	10	P
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132.	1SG17CS411	MEGHALA S	1	2	3	4	5	6	7	8	9	10	P

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133.	1SG17CS412	NALINI J	1	2	3	4	5	6	7	8	9	10	P
134.	1SG17CS413	PRIYANKA D	1	2	3	4	5	6	7	8	9	10	P
135.	1SG17CS414	PUNITH KUMAR B N	1	2	3	4	5	6	7	7	8	9	P
136.	1SG17CS415	SHREELAKSHMI M M	1	2	3	3	4	5	6	7	8	9	P
137.	1SG17CS416	SOMASHEKAR S B	0	1	2	3	4	5	6	7	8	9	P
138	1SG15CS126	Yashaswini N	1	2	3	4	5	6	7	8	9	10	P
139	1SG15CS102	Shwetha. SK	1	2	3	4	5	6	7	8	9	10	P
140	1SG17CS417	Shilpashree .N	1	2	3	4	5	6	7	8	9	10	P
141	1SG16CS413	Ramya.R	1	2	3	4	5	6	7	8	9	10	P
142	1SG16CS138	Suhana.D	1	2	3	4	5	6	7	8	9	10	P
143	1SG16CS139	Vrunda. C	1	2	3	4	4	5	6	7	8	9	P

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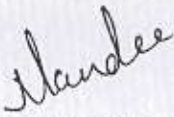Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in
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Department of Computer Science & Engineering

5 days Certification Course on "KEIL PROGRAM (SGCS41)"

TEST TIME TABLE

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

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Bangalore- 560 057

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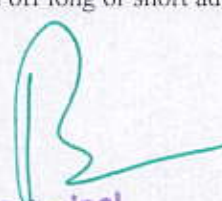**(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)**

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QUESTION PAPER

1. 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

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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 is 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

14. 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
c) SystemC 3.0
d) SystemC 4.0

17. Which model of SystemC uses the integer number to define time?
a) SystemC 1.0
b) SystemC 2.0
c) SystemC 3.0
c) 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 file is converted to an object file?
a) hex file

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b) decoded file
c) coded file
d) assembly file

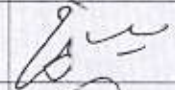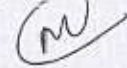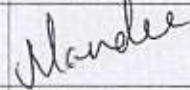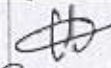24. Which of the following contains the hexadecimal coding?
a) object file
b) assembly file
c) coded file
d) decoded file
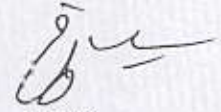
25. Which of the following processes the source code before it goes to the compiler?
a) compiler
b) simulator
c) pre-processor
d) emulator

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1.	Dr. YOGESH H K	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. NANDA M B	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	
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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: a

Explanation The port map describes the connection between the entity port 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 developing 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: 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.

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 associated 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 files 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.Answer: 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	
4.	Prof. NANDA M B	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	
6.	Prof. PRAVEEN KUMAR K V	Guest Speaker	

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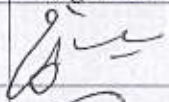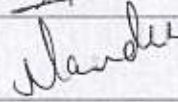#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057.
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5 DAYS CERTIFICATION COURSE

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: Likhita R

N: 1SG16CS051

	1	2	3	4	5
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 ✓
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 length ☑   c. Too long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right length ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ......9........

8. Any Suggestions for improvisation of Certification Course

keil program on other language, has to be done

Thank you! Please return this form to the coordinator

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Student Signature

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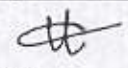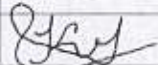Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi.)
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Name: Ashwin Ramesh P

N: 1SG16CS016

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
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 long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right lengh ☑   c Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ......9........

8. Any Suggestions for improvisation of Certification Course

.... Can give more coding hands on ....

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Name: Bhavya·V

N: 18G17CJ403

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**

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 long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right lengh **☑**   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ...9..........

8. Any Suggestions for improvisation of Certification Course

wanted hardson on how to download keil software.

....

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Name: ..Anjali.D.....................

N: .....1SG17CS401..............

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 ✓

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 length ☑   c. Too long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right length ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ......9.........

8. Any Suggestions for improvisation of Certification Course
......Wanted..to..know..how..to..convert..c program..to..........
.....Assembly language..prgm..in..Keil...

Thank you! Please return this form to the coordinator

Anjali.D
Student Signature

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Name: ...... Chaitra. V

N: .... 1S(2)16CS023

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
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 long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right lengh ☐   c. Too long ☑

7. How do you rate out of 10 about the overall program if 10 is maximum .... 9 ....

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Some more Information abatt Pointers in keil c.

Thank you! Please return this form to the coordinator

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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

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 KUMARI

N: 1SG16CS081

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

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 long ☐

6. In your opinion, was this Course: a. Too short ☒   b. Right lengh ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum .....8.......

8. Any Suggestions for improvisation of Certification Course

Some projects on kiel has to be demonstrated

Thank you! Please return this form to the coordinator

Rakhi

Student Signature

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road,

Bangalore-560 057

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta R:

Bangalore-560 057

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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: Sachin Kumar S

N: 1SG16CS090

	1	2	3	4	5
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 ✓
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 length ☑   c. Too long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right length ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ......9........

8. Any Suggestions for improvisation of Certification Course

Somemore well programming examples has to be discussed

Thank you! Please return this form to the coordinator

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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Department of Computer Science & Engineering

FEEDBACK ANALYSIS

Certification Programme: "KEIL PROGRAM (SGCS41)"

No. of students	Student Feedback			
	Excellent	Very Good	Good	Fair
50	45	2	3	0

Student Feedback Analysis
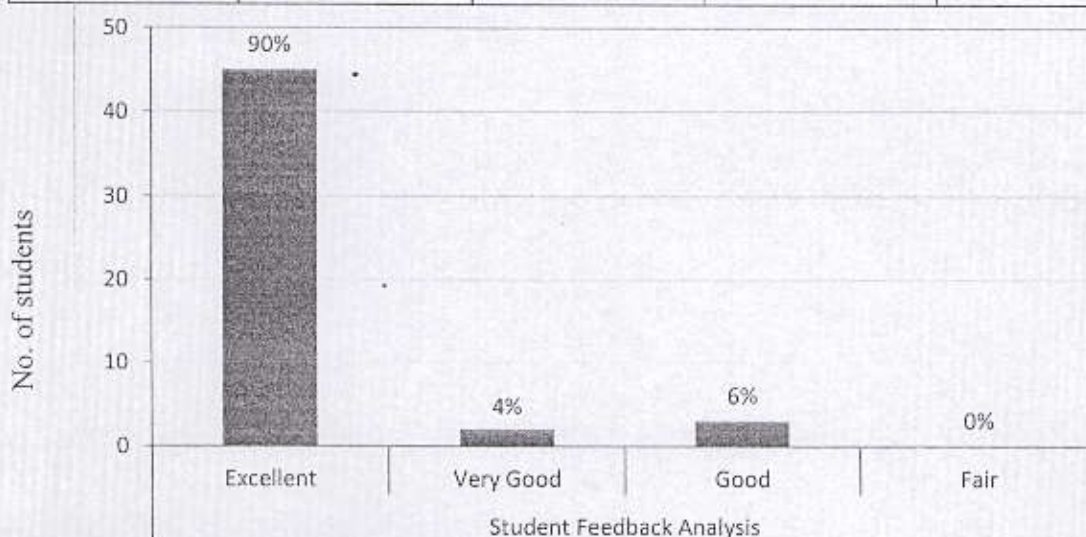
Action Report:

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.

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
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Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

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

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SAPTHAGIRI
College of Engineering
Creating Tomorrow

CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr/Ms _____ has participated in 5 days

Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL

PROGRAM(SGCS41)" from 22/1/2018 to 27/1/2018 organized by The Department of

Computer Science and Engineering.

COORDINATOR

HOD

PRINCIPAL
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Ban...

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SAPTHAGIRI
College of Engineering
Creating Tomorrow

CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

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

COORDINATOR

HOD

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore - 550 057

PRINCIPAL

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr/Ms _____PAYAL_____ has participated in 5 days

Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL

PROGRAM(SGCS41)"from 22/1/2018 to 27/1/2018 organized by the Department of

Computer Science and Engineering.

COORDINATOR

HOD

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PRINCIPAL

SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Creating Tomorrow

CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr/Ms _____ Rahul Kumar Verma _____ has participated in 5 days

Certification Course on "5 DAYS CERTIFICATION COURSE ON "KEIL

PROGRAM(SGCS41)" from 22/1/2018 to 27/1/2018 organized by the Department of

Computer Science and Engineering.

COORDINATOR

HOD

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PRINCIPAL

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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, SaIT, Bangalore.

- **Duration of the course**: Fivedays from 22nd Jan 2018 to 27th Jan 2018.

The students attended the certification 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
5. Interfacing C program to Assembler
6. Advanced C programming
7. Hands-on demonstration

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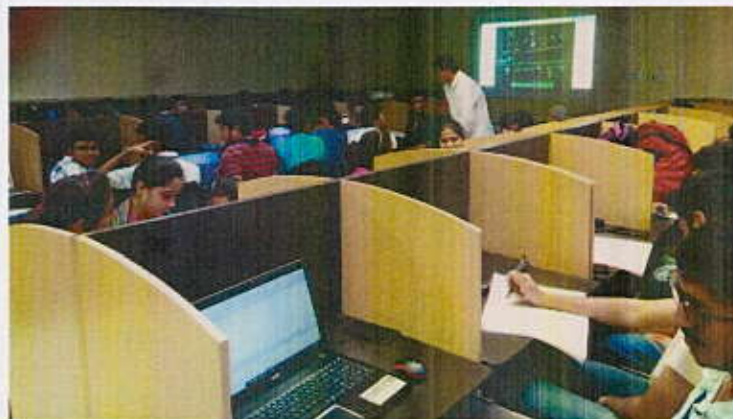
Speaker guiding students in lab how to Interface C program to Assembler

Coordinator

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

ODD SEM
2017-18

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	2016
Branch	ESE
Name	Chaika CMouli
Status : Work/Study	Working
Phone no	9482016015

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		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	✓				
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:

Signature

Chaitra

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

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	Asst Prof.
Subject/Sub. Code	Microcontroller

Rate the curriculum/syllabus on the following Points

SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		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

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	1SG16CS017

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		✓			
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?		✓			
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		✓			
8	Suggestions (if any)	Need more Concepts of micro Processor Programing				

Ashwini
Signature

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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.

Sl No.	Faculty Name	Designation	Signature
1.	Dr. PRASHANTH C M	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. VEENA K R	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	

Principal
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HOD
Professor & Head of the De
Computer Science Engineering
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Department of Computer Science & Engineering

Date: 16/05/2017
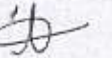
MINUTES OF MEETING

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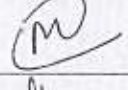
Agenda:

- 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 taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation	Signature
1.	Dr. PRASHANTH C M	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. VEENA K R	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	

The following points were discussed in the meeting

1. The committee members reviewed the analysis of department curriculum syllabus.
2. 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 (15CS34)	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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HOD, CSE

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

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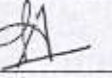## Department of Computer Science & Engineering

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 bridge 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
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

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

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Department of Computer Science & Engineering

Date: 17-05-2017

To,

THE IQAC Coordinator
Sapthagiri College of Engineering
Bangalore - 560057.

Respected Sir/Madam,

Subject Budget 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	300
2	Certificates	Students	2000
3	Others		800
	Total		3100

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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)".

Sl No.	Faculty Name	Designation	Signature
1.	Prof. KAMALAKSHI NAGANNA	INC HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. VEENA K R	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	

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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

Yours faithfully

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
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Department of Computer Science & Engineering

Date: 06-07-2017

Minutes of Meeting

A meeting was conducted on 06-07-2017 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, SaIT, 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 & RaspberryPi 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 Software 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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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	Prof KAMALAKSHI NAGANNA	INC HOD	
2	Prof. MADHUSHREE	Assistant Professor	
3	Prof. LATHA A	Assistant Professor	
4	Prof. VEENA K R	Assistant Professor	
5	Prof. KAVITHA G	Assistant Professor	
6	Prof. SHANKAR RANA	Guest Speaker	

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HOD

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Bangalore-57

SAPTHAGIRI COLLEGE OF ENGINEERING
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE,
New Delhi.)
#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

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, Hesaraghatta Road,
Bangalore- 560 057

HOD

Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
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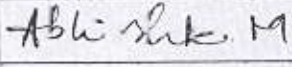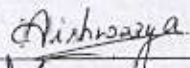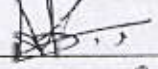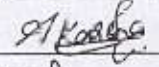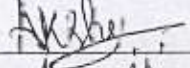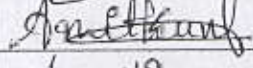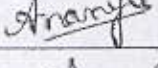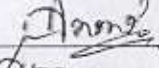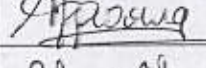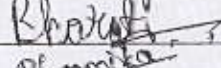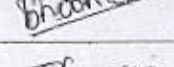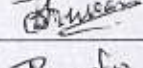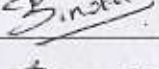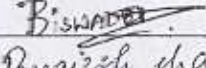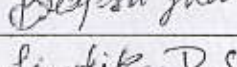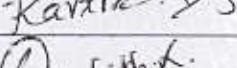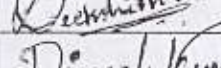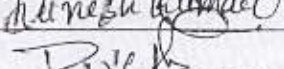
Department of Computer Science & Engineering

STUDENTS ENROLLED IN 5 DAYS CERTIFICATION COURSE ON "INTERNET OF THINGS (SGCS72)"   2017-18

Sl.No.	USN	Name	Signature
1.	1SG14CS001	AAKASH KUMAR SINGH	
2.	1SG14CS003	ABHIRAM .T	
3.	1SG14CS004	ABHISHEK .M	
4.	1SG14CS005	ADARSH BHAT	
5.	1SG14CS006	AISHWARYA SWAMY	
6.	1SG14CS008	AKARSHA .K.R	
7.	1SG14CS009	AKSHATA .T.BHAT	
8.	1SG14CS010	AKSHAY G.S	
9.	1SG14CS011	AMIT KUMARA	
10.	1SG14CS012	ANANYA BANDYOPADHYAY	
11.	1SG14CS013	ANMOL ADULKIA	
12.	1SG14CS014	APOORVA KULKARNI	
13.	1SG14CS018	BHARATH. S	
14	1SG14CS019	BHOOMIKA .H	
15.	1SG14CS020	BHUVANA .B	
16.	1SG14CS021	BINDYA .K	
17.	1SG14CS022	BISWADEEP BHATTACHAREE	
18.	1SG14CS023	BRAJESH JHA	
19.	1SG14CS024	D.S KARTIK	
20	1SG14CS026	DEEKSHITH .L	
21.	1SG14CS027	DINESH KUMAR	
22.	1SG14CS028	DIVESH KUMAR	

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23.	1SG14CS029	FLAVIA FRANCIS FERNANDES	
24.	1SG14CS030	GAGAN .N.T	
25.	1SG14CS032	HARSHITHA .P	
26.	1SG14CS033	HUMA RAFFATH MAAB	
27.	1SG14CS034	ISHAN SINGHANIA	
28.	1SG14CS035	AISHWARYA H.B	
29.	1SG14CS036	JAGRUTHI .S	
30.	1SG14CS037	JARITHA .M	
31.	1SG14CS038	JAYALAKSHMI .G	
32.	1SG14CS039	K.M MADHU KUMARI	
33.	1SG14CS040	KARAN KUMAR SINGH	
34.	1SG14CS041	KAUSHIK .J. SHETTY	
35.	1SG14CS043	KAWAL JEET SINGH	
36.	1SG14CS044	KOMMINDALA APARNA	
37.	1SG14CS045	KRUPAL HITESH SHAH	
38.	1SG14CS046	KRUTHIKA .M.EDGE	
39.	1SG14CS047	KUMAR PIYUSH	
40.	1SG14CS048	KUNDHAVI NANDAKUMAR	
41.	1SG14CS050	KUSHAL YOGESH LOHANA	
42.	1SG14CS053	MANASA .H.N	
43.	1SG14CS056	MANOGNA .L	
44.	1SG14CS057	MEGHANA C.G	
45.	1SG14CS060	MOHIT RATHORE	
46.	1SG14CS061	NAMITHA .H	
47.	1SG14CS062	NANTHINI S.S	

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No.	USN	Name	Signature
48.	1SG13CS422	VENKATESH B.C	
49.	1SG12CS113	SUDARSHAN .B	
50.	1SG14CS128	SUHAS JAIN T.N	
51.	1SG15CS400	ABHISHEK GOWDA .K	
52.	1SG15CS401	ANJALI .K	
53.	1SG15CS402	CHETHAN .M	
54.	1SG15CS403	GIRISH S BATTUR	
55.	1SG15CS404	GIRISH .G	
56.	1SG15CS405	GOVINDARAJU B.G	
57.	1SG15CS406	LAKSHMI .R	
58.	1SG15CS409	NARASIMHA M RAYKAR	
59.	1SG15CS410	POOJA RAMAPPA MAGADUM	
60.	1SG15CS411	PREKSHA .R	
61.	1SG15CS412	PRIYA .S	
62.	1SG15CS413	PUNEETH .B	
63.	1SG15CS416	RAHUL B.R	
64.	1SG15CS421	SHARATH KUMAR G.M	
65.	1SG15CS422	SHRAVANI .V	
66.	1SG15CS423	SUDEEP P TULPULE	
67.	1SG15CS424	SUNIL .P	
68.	1SG14CS064	NEERAJ SINGH SAJWAN	
69.	1SG14CS065	NEWBY DAS	
70.	1SG14CS066	NIGAM AGARWALA	
71.	1SG14CS067	NIKHIL SHARAN	
72.	1SG14CS068	NIKHIL SRIVASTAVA	

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No.	USN	Name	Signature
73.	1SG14CS069	NISHANTH .U	
74.	1SG14CS070	NISHCHITHA .D.S	
75.	1SG14CS071	NITESH .M.N	
76.	1SG14CS072	NITHIN .S	
77.	1SG14CS075	PALLAVI .L	
78.	1SG14CS076	PAVAN KUMAR .B	
79.	1SG14CS078	PRADYOT PRAKASH	
80.	1SG14CS079	PRANAB GUPTA	
81.	1SG14CS080	PRANAY PRAKASH	
82.	1SG14CS082	PREM KUMAR .R	
83.	1SG14CS083	PRIYANKA KUMARI	
84.	1SG14CS084	PRIYANKA .R	
85.	1SG14CS085	PRIYANSHU	
86.	1SG14CS086	PUSHPA.S	
87.	1SG14CS087	PUSPAK JINDAL	
88.	1SG14CS088	RAKESH .C	
89.	1SG14CS089	RAKESH KUMAR	
90.	1SG14CS090	RAKSHITHA .R.POOJARY	
91.	1SG14CS091	RANJITHA .V	
92.	1SG14CS093	RAVI PRAKASH KUMAR	
93.	1SG14CS094	ROSHAN PRATAP SINGH	
94.	1SG14CS095	SAI KRISHNAN	
95.	1SG14CS096	SAGAR SRIVASTAVA	
96.	1SG14CS097	SAHANA .B	
97.	1SG14CS098	SAHANA .M.R	

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98.	1SG14CS099	SANJANA .M. AITHAL	Sanjana M
99.	1SG14CS100	SANKETH .P.N	Sanketh.
100.	1SG14CS101	SATYAM BHARTI	Satyam Bharti
101.	1SG14CS102	SAYANI CHATTERJEE	Sayani Chatterjee
102.	1SG14CS103	SHRADDA .V	Shradda . V
103.	1SG14CS104	SHRADDHA KANNAN	Shraddk
104.	1SG14CS106	SHUBHAM SINGH	Shubham
105.	1SG14CS107	SINDHU.S	Sindhu .S.
106.	1SG14CS108	SKANDA .C. KESARKAR	Skanda C.Kesarkar
107.	1SG14CS109	SOURAV KUMAR	Sourav
108.	1SG14CS110	SOWMYA .K	Sowmya K
109.	1SG14CS111	SOUMYA .S	Soumya.S
110.	1SG14CS112	P. SRIRAJ	P. Sriraj
111.	1SG14CS113	STUTI SINGH	Stuti singh
112.	1SG14CS114	SUMAN SURYA PRASAD .N	Suman
113.	1SG14CS115	SUSHMA .K	Sushma .K
114.	1SG14CS116	SWETHA .K	Swetha k
115.	1SG14CS117	SYED AHMAD TAQE	SYED Ahmad
116.	1SG14CS118	VAIBHAV GUPTA	Vaibhav gupta
117.	1SG14CS119	VEDASHREE .D	Vedashree . D
118.	1SG14CS120	VIDYA .D.G	Vidya
119.	1SG14CS121	VINOODKUMAR .S	Vinu
120.	1SG14CS122	VISHNU PRADEEP	Vishnu Pradeep
121.	1SG14CS124	YADNIK .V. GAONKAR	Yadnik
122.	1SG14CS126	ZAIBA A.S	Zaiba AS

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Department of Computer Science & Engineering

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	4	5	6	7	8	P
5.	1SG14CS006	AISHWARYA SWAMY	1	2	3	4	5	6	7	8	9	10	P
6.	1SG14CS008	AKARSHA .K.R	1	1	2	3	4	5	6	7	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	7	8	9	10	P
9.	1SG14CS011	AMIT KUMARA	1	2	3	L	5	6	7	8	9	10	P
10.	1SG14CS012	ANANYA BANDYOPADHYAY	1	2	3	4	5	6	7	8	9	10	P
11.	1SG14CS013	ANMOL ADULKIA	1	2	3	4	5	6	7	8	9	10	P
12.	1SG14CS014	APOORVA KULKARNI	1	2	3	4	5	6	7	8	9	10	P
13.	1SG14CS018	BHARATH. S	1	2	3	4	5	6	7	8	9	10	P
14.	1SG14CS019	BHOOMIKA .H	1	2	3	4	5	6	7	8	9	10	P
15.	1SG14CS020	BHUVANA .B	1	2	2	2	3	4	7	8	9	10	P
16.	1SG14CS021	BINDYA .K	1	2	3	3	4	5	6	7	8	9	P
17.	1SG14CS022	BISWADEEP BHATTACHAREE	1	2	3	4	5	6	7	8	9	10	P
18.	1SG14CS023	BRAJESH JHA	1	2	3	4	5	6	7	8	9	10	P
19.	1SG14CS024	D.S KARTIK	1	2	3	4	5	6	7	8	9	10	P
20.	1SG14CS026	DEEKSHITH .L	1	2	3	4	5	6	7	8	9	10	P

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No.	USN	Name											
21.	1SG14CS027	DINESH KUMAR	1	2	3	4	5	6	7	8	9	10	P
22.	1SG14CS028	DIVESH KUMAR	1	2	3	4	5	6	7	8	9	10	P
23.	1SG14CS029	FLAVIA FRANCIS FERNANDES	1	2	3	4	5	6	7	8	9	10	P
24.	1SG14CS030	GAGAN .N.T	1	2	3	4	5	6	7	8	9	10	P
25.	1SG14CS032	HARSHITHA .P	1	2	3	4	5	6	7	8	9	10	P
26.	1SG14CS033	HUMA RAFFATH MAAB	1	2	3	4	5	6	7	8	9	10	P
27.	1SG14CS034	ISHAN SINGHANIA	1	2	3	4	5	6	7	8	9	10	P
28.	1SG14CS035	AISHWARYA H.B	1	2	3	4	5	6	7	8	9	10	P
29.	1SG14CS036	JAGRUTHI .S	1	2	3	4	5	6	7	8	9	10	P
30.	1SG14CS037	JARITHA .M	1	2	3	4	5	6	7	8	9	10	P
31.	1SG14CS038	JAYALAKSHMI .G	1	2	3	4	5	6	7	8	9	10	P
32.	1SG14CS039	K.M MADHU KUMARI	1	2	3	4	5	6	7	8	9	10	P
33.	1SG14CS040	KARAN KUMAR SINGH	1	2	3	4	5	6	7	8	9	10	P
34.	1SG14CS041	KAUSHIK .J. SHETTY	1	2	3	4	5	6	7	8	9	10	P
35.	1SG14CS043	KAWAL JEET SINGH	1	2	3	4	5	6	7	8	9	10	P
36.	1SG14CS044	KOMMINDALA APARNA	1	2	3	4	5	6	7	8	9	10	P
37.	1SG14CS045	KRUPAL HITESH SHAH	1	1	2	2	3	4	7	8	9	10	P
38.	1SG14CS046	KRUTHIKA .M.EDGE	1	2	2	2	3	4	7	8	9	10	P
39.	1SG14CS047	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	10	P
41.	1SG14CS050	KUSHAL YOGESH LOHANA	1	2	3	4	5	6	7	8	9	10	P
42.	1SG14CS053	MANASA .H.N	1	2	3	4	5	6	7	8	9	10	P
43.	1SG14CS056	MANOGNA .L	1	2	3	4	5	6	7	8	9	10	P
44.	1SG14CS057	MEGHANA C.G	1	2	3	4	5	6	7	8	9	10	P

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#	USN	Name	1	2	3	4	5	6	7	8	9	10	
45.	1SG14CS060	MOHIT RATHORE	1	2	3	4	5	6	7	8	9	10	P
46.	1SG14CS061	NAMITHA .H	1	2	3	4	5	6	7	8	9	10	P
47.	1SG14CS062	NANTHINI S.S	1	2	3	4	5	6	7	8	9	10	P
48.	1SG13CS422	VENKATESH B.C	1	2	3	4	4	4	7	8	9	10	P
49.	1SG12CS113	SUDARSHAN .B	1	2	3	4	5	6	7	8	9	10	P
50.	1SG14CS128	SUHAS JAIN T.N	1	2	3	4	5	6	7	8	9	10	P
51.	1SG15CS400	ABHISHEK GOWDA .K	1	2	3	4	5	6	7	8	9	10	P
52.	1SG15CS401	ANJALI .K	1	2	3	4	5	6	7	8	9	10	P
53.	1SG15CS402	CHETHAN .M	1	2	3	4	5	6	7	8	9	10	P
54.	1SG15CS403	GIRISH S BATTUR	1	1	2	3	4	5	6 7	8	9		P
55.	1SG15CS404	GIRISH .G	1	2	3	4	5	6	7	8	9	10	P
56.	1SG15CS405	GOVINDARAJU B.G	1	2	3	4	5	6	7	8	9	10	P
57.	1SG15CS406	LAKSHMI .R	1	2	3	4	5	6	7	8	9	10	P
58.	1SG15CS409	NARASIMHA M RAYKAR	1	2	3	4	5	6	7	8	9	10	P
59.	1SG15CS410	POOJA RAMAPPA MAGADUM	1	2	2	2	3	4	7	8	9	10	P
60.	1SG15CS411	PREKSHA .R	1	2	3	3	4	5	7	8	9	10	P
61.	1SG15CS412	PRIYA .S	1	2	3	4	5	6	7	8	9	10	P
62.	1SG15CS413	PUNEETH .B	1	2	3	4	5	6	7	8	9	10	P
63.	1SG15CS416	RAHUL B.R	1	2	3	4	5	6	7	8	9	10	P
64.	1SG15CS421	SHARATH KUMAR G.M	1	2	3	4	5	6	7	8	9	10	P
65.	1SG15CS422	SHRAVANI .V	1	2	3	4	5	6	7	8	9	10	P
66.	1SG15CS423	SUDEEP P TULPULE	1	2	3	4	5	6	7	8	9	10	P
67.	1SG15CS424	SUNIL .P	1	2	3	4	4	4	7	8	9	10	P
68.	1SG14CS064	NEERAJ SINGH SAJWAN	1	2	3	4	5	6	7	8	9	10	P
69.	1SG14CS065	NEWBY DAS	1	2	3	4	5	6	7	8	9	10	P

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No.	USN	Name	1	2	3	4	5	6	7	8	9	10	
70.	1SG14CS066	NIGAM AGARWALA	1	2	3	4	5	6	7	8	9	10	P
71.	1SG14CS067	NIKHIL SHARAN	1	2	3	4	5	6	=	8	9	10	P
72.	1SG14CS068	NIKHIL SRIVASTAVA	1	2	3	4	5	6	7	8	9	10	P
73.	1SG14CS069	NISHANTH .U	1	2	3	4	5	6	7	8	9	10	P
74.	1SG14CS070	NISHCHITHA .D.S	1	2	3	4	5	6	7	8	9	10	P
75.	1SG14CS071	NITESH .M.N	1	2	3	4	5	6	=	8	9	10	P
76.	1SG14CS072	NITHIN .S	1	2	3	4	4	4	7	8	9	10	P
77.	1SG14CS075	PALLAVI .L	1	2	3	4	5	6	7	8	9	10	P
78.	1SG14CS076	PAVAN KUMAR .B	1	2	3	4	5	6	7	8	9	10	P
79.	1SG14CS078	PRADYOT PRAKASH	1	2	3	4	5	6	7	8	9	10	P
80.	1SG14CS079	PRANAB GUPTA	1	2	2	2	3	4	7	8	9	10	P
81.	1SG14CS080	PRANAY PRAKASH	1	2	3	3	4	5	7	8	9	10	P
82.	1SG14CS082	PREM KUMAR .R	1	2	3	4	5	6	7	8	9	10	P
83.	1SG14CS083	PRIYANKA KUMARI	1	2	3	4	5	6	7	8	9	10	P
84.	1SG14CS084	PRIYANKA .R	1	2	3	4	5	6	7	8	9	10	P
85.	1SG14CS085	PRIYANSHU	1	1	2	3	4	5	7	8	9	10	P
86.	1SG14CS086	PUSHPA.S	1	2	3	4	5	6	7	8	9	10	P
87.	1SG14CS087	PUSPAK JINDAL	1	2	2	2	3	4	7	8	9	10	P
88.	1SG14CS088	RAKESH .C	1	2	3	4	5	6	7	8	9	10	P
89.	1SG14CS089	RAKESH KUMAR	1	2	3	4	5	6	7	8	9	10	P
90.	1SG14CS090	RAKSHITHA .R.POOJARY	1	2	3	4	5	6	7	8	9	10	P
91.	1SG14CS091	RANJITHA .V	1	2	3	4	5	6	7	8	9	10	P
92.	1SG14CS093	RAVI PRAKASH KUMAR	1	2	3	4	5	6	=	8	9	10	P
93.	1SG14CS094	ROSHAN PRATAP SINGH	1	2	3	4	5	6	7	8	9	10	P

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94.	1SG14CS095	SAI KRISHNAN	1	2	3	4	5	6	7	8	9	10	P
95.	1SG14CS096	SAGAR SRIVASTAVA	1	2	3	4	5	6	7	8	9	10	P
96.	1SG14CS097	SAHANA .B	1	2	3	4	5	6	7	8	9	10	P
97.	1SG14CS098	SAHANA .M.R	1	2	3	4	5	6	7	8	9	10	P
98.	1SG14CS099	SANJANA .M. AITHAL	1	2	3	4	4	4	7	8	9	10	P
99.	1SG14CS100	SANKETH .P.N	1	2	3	4	5	6	7	8	9	10	P
100.	1SG14CS101	SATYAM BHARTI	1	2	3	4	5	6	7	8	9	10	P
101.	1SG14CS102	SAYANI CHATTERJEE	1	2	3	4	5	6	7	8	9	10	P
102.	1SG14CS103	SHRADDA .V	1	2	3	4	5	6	7	8	9	10	P
103.	1SG14CS104	SHRADDHA KANNAN	1	2	3	4	3	6	7	8	9	10	P
104.	1SG14CS106	SHUBHAM SINGH	1	2	3	4	5	6	7	8	9	10	P
105.	1SG14CS107	SINDHU.S	1	2	3	4	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	7	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	7	8	9	10	P
110.	1SG14CS112	P. SRIRAJ	1	2	3	4	5	6	7	8	9	10	P
111.	1SG14CS113	STUTI SINGH	1	2	3	4	5	6	7	8	9	10	P
112.	1SG14CS114	SUMAN SURYA PRASAD .N	1	2	3	4	5	6	7	8	9	10	P
113.	1SG14CS115	SUSHMA .K	1	2	3	4	5	6	7	8	9	10	P
114.	1SG14CS116	SWETHA .K	1	2	3	4	5	6	7	8	9	10	P
115.	1SG14CS117	SYED AHMAD TAQE	1	2	3	4	5	6	7	8	9	10	P
116.	1SG14CS118	VAIBHAV GUPTA	1	2	2	2	3	4	7	8	9	10	P

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117.	1SG14CS119	VEDASHREE .D	1	2	3	4	5	6	7	8	9	10	P
118.	1SG14CS120	VIDYA .D.G	1	2	3	4	5	6	7	8	9	10	P
119.	1SG14CS121	VINOODKUMAR .S	1	2	3	4	5	6	7	8	9	10	P
120.	1SG14CS122	VISHNU PRADEEP	1	2	3	4	4	4	7	8	9	10	P
121.	1SG14CS124	YADNIK .V. GAONKAR	1	2	3	4	5	6	7	8	9	10	P
122.	1SG14CS126	ZAIBA A.S	1	2	3	4	5	6	7	8	9	10	P
123.	1SG13CS083	RAKSHITHA .S	1	2	3	4	5	6	7	8	9	10	P
124.	1SG13CS133	PRANAV M.N	1	2	3	4	5	6	7	8	9	10	P
125.	1SG14CS127	CHANDRA BHUSHAN PRAKASH	1	2	3	4	5	6	7	8	9	10	P
126.	1SG15CS407	MANU K.V	1	2	3	4	5	6	7	8	9	10	P
127.	1SG15CS408	NAGARAJA .B	1	2	3	4	5	6	7	8	9	10	P
128.	1SG15CS414	PUNITH H.R	1	2	3	4	5	6	7	8	9	10	P
129.	1SG15CS417	REVANTH .C	1	2	3	4	5	6	7	8	9	10	P
130.	1SG15CS419	SANDEEPA K.L	1	2	3	4	5	6	7	8	9	10	P
131.	1SG15CS420	SANJAY .S	1	2	2	2	3	4	7	8	9	10	P
132.	1SG15CS425	VIKRAM .N	1	2	2	2	3	4	7	8	9	10	P

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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 FRIDAY	4:00PM - 5:00PM

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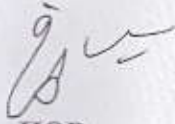
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QUESTION PAPER

1. _____ allows us to control electronic components
   a) RESTful API
   b) RESTful API
   c) HTTP
   d) MQTT

2. MQTT stands for _____
   a) MQ Telemetry Things
   b) MQ Transport Telemetry
   c) MQ Transport Things
   d) MQ Telemetry Transport

3. MQTT is better than HTTP for sending and receiving data.
   a) True
   b) False

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) MQTT
   b) HTTP
   c) CoAP
   d) SPI

6. PubNub publishes and subscribes _____ in order to send and receive messages.
   a) Network
   b) Account
   c) Portal
   d) 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

   c) commandkey

   d) Key_command

9. _____ method saves the received arguments in three attributes.

   a) __Init

   b) Init__

   c) __Init__

   d) _init_

10. _____ and _____ saves 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 received 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 the PubNub cloud

    a) Callback

    b) Error

    c) Connect

    d) Reconnect

14. _____ specifies the function that will be called when a successful re-connection is completed.

    a) Callback

    b) Error

    c) Connect

    d) Reconnect

15. _____ specifies the function that will be called when the client disconnects.

    a) Callback

    b) Error

    c) Connect

    d) Disconnect

16. The number of elements in the Open IoT Architecture?

    a) 6 elements

    b) 8 elements

    c) 7 elements

    d) 3 elements

17. Global 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. One of the main characteristics of Linked Stream Data is "Live Streaming".

    a) True

    b) False

19. The huge number of devices connected to the Internet of Things has to communicate automatically, not via humans. What is this called?

    a) Skype:

    b) Bot 2 Bot

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c) Machine 2 Machine

d) Intercloud

20. Internet of Things needs a lot of network connection. What is the proposed "white Space" radic standard called?

a) Bluetooth

b) WiMax

c) Weightless

d) Zigbee

21. Open IoT manages the registration, data acquisition, deployment of sensors and interconnected of objects, through which network?

a) GSN

b) X-GSN

c) LSM

d) HTTP

22. What is the sensor/protocol used in GSN?

a) HTTP protocol

b) CoAP protocol

c) MQTT protocol ·

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

25. _____ is a community that is working together to establish an IoT architecture.
   a) Eclipse IoT
   b) Red Hat
   c) Intercloud
   d) Bot 2 Bot

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Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1.	Dr. YOGESH F K	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. VEENA K R	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	
6.	Prof. SHANKAR RANA	Guest Speaker	

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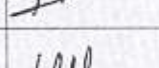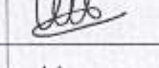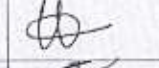#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– **560 057.**
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SCHEME

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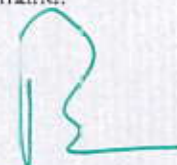
   Explanation: Explanation: It is necessary to generate our PubNub publishes and subscribes keys in order to send and receive messages in the network.

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. Answer:b

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.
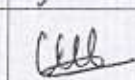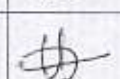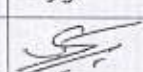
24. Answer:a

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

Sl No.	Faculty Name	Designation	Signature
1.	Dr. YOGESH H K	HOD	
2.	Prof. MADHUSHREE	Assistant Professor	
3.	Prof. LATHA A	Assistant Professor	
4.	Prof. VEENA K R	Assistant Professor	
5.	Prof. KAVITHA G	Assistant Professor	
6.	Prof. SHANKAR RANA	Guest Speaker	

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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: Anmol Adulkia

USN: 1SG14CS013

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
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 length ☑   c. Too long ☐

6. In your opinion, was this Course   a. Too short ☐   b. Right length ☐   c. Too long ☑

7. How do you rate out of 10 about the overall program if 10 is maximum ....9.......

8. Any Suggestions for improvisation of FDP

Good.

Thank you! Please return this form to the coordinator

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Student Signature

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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: ...... Jagruthi.S

USN: 1SG14CS036

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

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 length ☑   c. Too long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right length ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ....10.......

8. Any Suggestions for improvisation :
.............Satisfactory...
....

Thank you! Please return this form to the coordinator

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Jagruthi.S
Student Signature

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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: A Poorva

USN: 1SG14CS014

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
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 length ☑   c. Too long ☐

6. In your opinion, was this Course: a. Too short ☐   b. Right length ☑   c. Too long ☐

7. How do you rate out of 10 about the overall program if 10 is maximum ......8......

8. Any Suggestions for improvisation :

....

....

Thank you! Please return this form to the coordinator

Principal
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Bangalore-560 057

Student Signature

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Department of Computer Science & Engineering

FEEDBACK ANALYSIS

Certification Programme: "**Internet of Things (SGCS72)**"

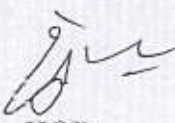| No. of students	Student Feedback Analysis			
	Excellent	Very Good	Good	Fair
45	37	4	2	2
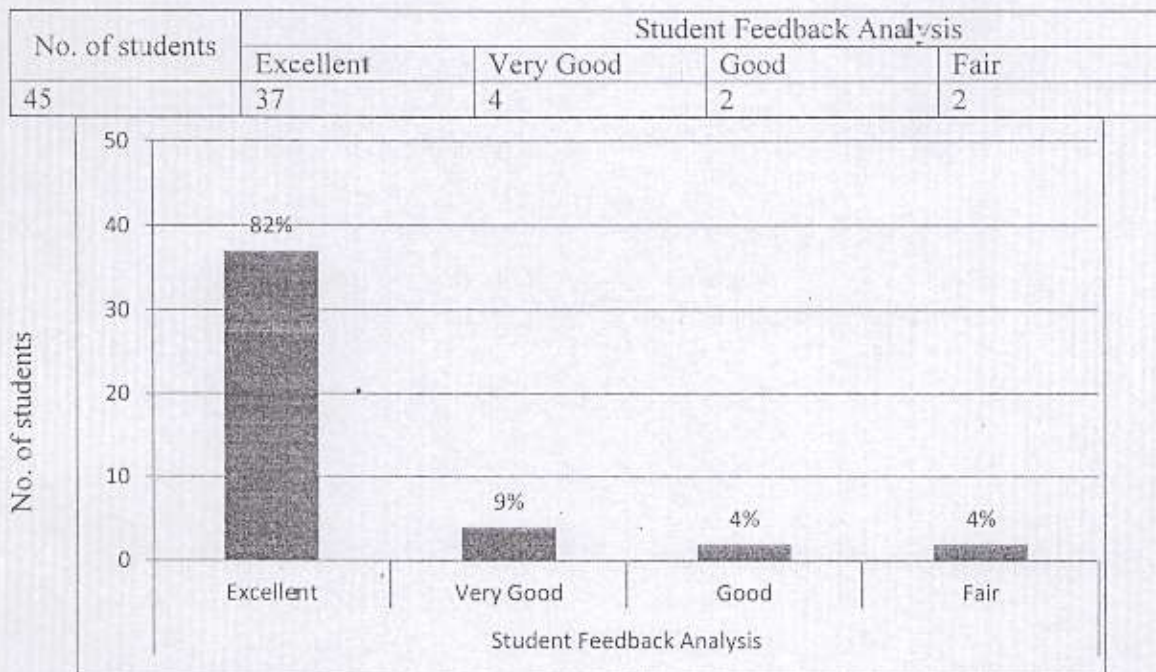
Action Report:

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

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SAPTHAGIRI
College of Engineering
Creating Tomorrow

CERTIFICATE 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
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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College of Engineering
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CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr/Ms ___BINDYA K___ 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
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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THIS IS TO CERTIFY THAT

Mr/Ms ___ MANOgNA L ___ has participated in 5 days
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28/7/2017 organized by the Department of Computer Science and Engineering.

COORDINATOR

HOD

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THIS IS TO CERTIFY THAT

Mr/Ms _____ GAGAN N T _____ 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 covered 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
5. Creating Android App using MIT App Inventor & controlling arduino connected devices through App.

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

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Department of Computer Science & Engineering

FEW SCREENSHOTS OF THE PROGRAM

Speaker Prof. Shankar Rana delivering concepts
On Internet of Things.

Hands on session and Students interacting
With Speaker

Coordinator

HOD

Professor & Head of the Department
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Sapthagiri College of Engineering
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