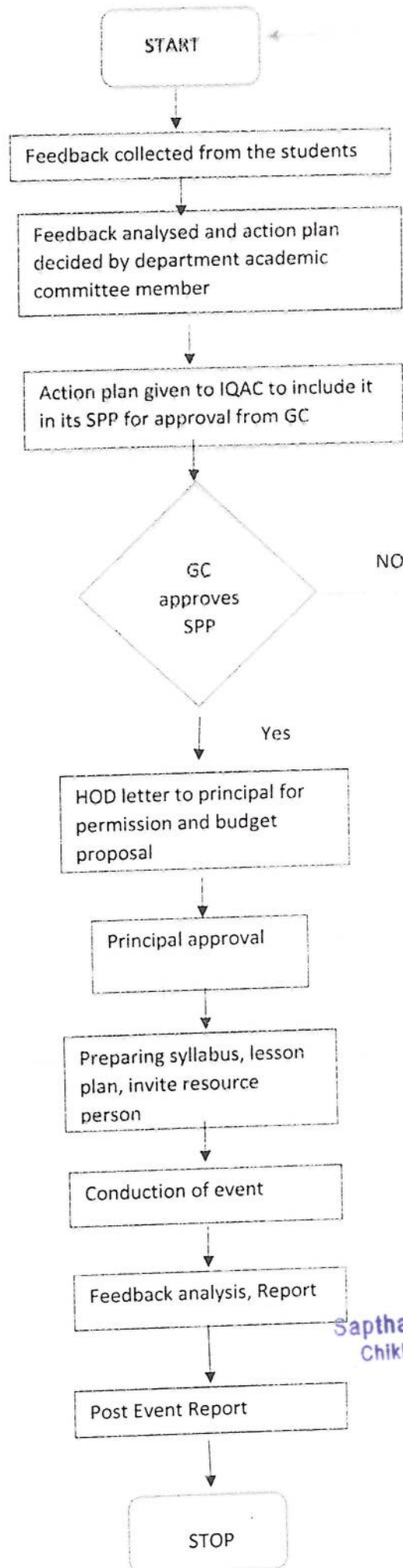


### 1.2.2 Number of Add-on/Certificate programs offered during the last five years.

College has a practice to conduct certification program for all the department every year to fulfil the gaps in the curriculum and to introduce current technology to improve the current technical skills in concerned topics.

1. Department collects feedback on curriculum/syllabus from student, faculties and alumni every year.
2. A meeting of department academic committee members is called for analysing feedback obtained from students, faculties and alumni. Based on the gaps identified, action plan is discussed.
3. Action plan is conveyed by the department to IQAC to get it included in IQAC Strategic Perspective Plan which is to be approved by Governing Council.
4. Governing Council approval is obtained and documented in GC Proceedings.
5. Head of the department will write a letter seeking permission for the conduction of certification course which includes details like course title, number of days of conduction along with the budget proposal
6. Principal will issue the order to conduct the certification course stating to form a curriculum board members to start the course. Curriculum board members includes department academic committee members and the guest speaker for the certification course.
7. HOD will send the invitation letter to the guest speaker to conduct the certification course and also request to attend a meeting along with department academic committee members to frame the syllabus for the certification course.
8. Once the syllabus is framed, a notice is sent to the students about the certification course and asked them to enroll for the certification course.
9. On the last day of the certification course, a test will be conducted for the students.
10. Question Paper and scheme will be prepared and approved by curriculum board members.
11. Feedback on certification course will be collected from the students and analysed.


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



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

# INDEX

SL. NO	DOCUMENTS ATTACHED
1	Feedback Report on syllabus
2	Feedback Analysis
3	Circular to Academic Committee members
4	Minutes of meeting
5	Letter to the IQAC for approval from GC
6	GC proceedings which include approval
7	Permission letter to the principal along with budget proposal
8	Principal order or notification on curriculum Board
9	Circular to academic committeemembers and invitation to external member
10	Minutes of meeting of curriculum board
11	Notice to the students
12	Enrolled Students
13	Attendance Sheet
14	Test Time Table
15	Question Paper
16	Scheme
17	Feedback
18	Feedback Report
19	Certificate
20	Post Event Report

  
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### STUDENTS FEEDBACK ON CURRICULUM

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

Academic Year	2017-18
Branch	JSE
Name of the Student	Rantosh S.Y.
USN	15G155101

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	✓				

Suggestions: J2EE Concepts would have been explained practically

Signature

Rantosh

Principal

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





### 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	2017-18
Branch	ISE
Name of the Student	Aishwarya Muralidhar
USN	15G15IS009

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	✓				

Suggestions: Labs for programming subjects would be useful

Signature

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### STUDENTS FEEDBACK ON CURRICULUM

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

Academic Year	2017-18
Branch	Information Science & Engineering
Name of the Student	Bhavana P. J.
USN	18G15IS034

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	✓				

Suggestions: It was good and useful. Practical for Java  
Subject should be included

Signature  
Bhavana P. J.

  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesarghatta 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	2017-18
Branch	ISE
Name of the Faculty	Ramya R
Designation	Assistant Professor
Subject/Sub. code	15C5553

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 sufficient 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	Sufficient reference material and books are available for the topics mentioned in the curriculum?		✓			
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course		✓			
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: Practical Session should be included.

Signature

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### 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	2017-18
Branch	ISE
Name of the Faculty	Ambika. S
Designation	Assistant professor.
Subject/Sub. code	1SC5553

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 sufficient 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	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?		✓			
6	Curriculum is suitable to the course		✓			
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: *Handson training would be useful*

Signature

*Ambika. S*

*[Signature]*  
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	2017-18
Branch	ITSE
Name of the Faculty	Praneetha. G. N.
Designation	Assistant Professor
Subject/Sub. code	18CS553

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 sufficient 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	Sufficient reference material and books are available for the topics mentioned in the curriculum?	✓				
5	The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?	✓				
6	Curriculum is suitable to the course		✓			
7	The curriculum/course of this subject increased my knowledge and perspective in the subject area	✓				

Suggestions: Topics are more. Syllabus can be reduced.  
Hands-on training of programs will be useful

Signature

*Praneetha*

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





### 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	Megha P.R 2015
Branch	I.SE
Name	Megha P.R
Status : Work/Study	Kauw Corporation
Phone no	9686490632

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:

Projects implemented here is completely different when compared to industry. More practical knowledge on programming language is required.

Signature

Megha P.R

Principal

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Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



### 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	2011
Branch	ISE
Name	Bharath Palaksha
Status : Work/Study	Working - Intuit
Phone no	9036570325

Rate the curriculum/syllabus on the following Points

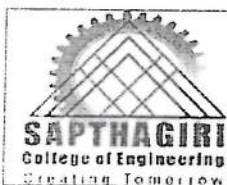
SL NO	Statements	Excellent	Very good	Good	Average	Below Average
		5	4	3	2	1
1	When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution	✓				
2	Learning value (in terms of skills, concepts, knowledge, 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: Hands on session on java & J2EE would be useful to cope up with industry standards.

Signature

Bharath

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



### 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	2017-18
Branch	IT
Name	Riyanka M. S.
Status : Work/Study	IT Developer
Phone no	9411719247

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: Please introduce practical Implementation that is trending in present IT firms in order to be skillfull according to Industrial standards.

Signature

Riyanka M. S.

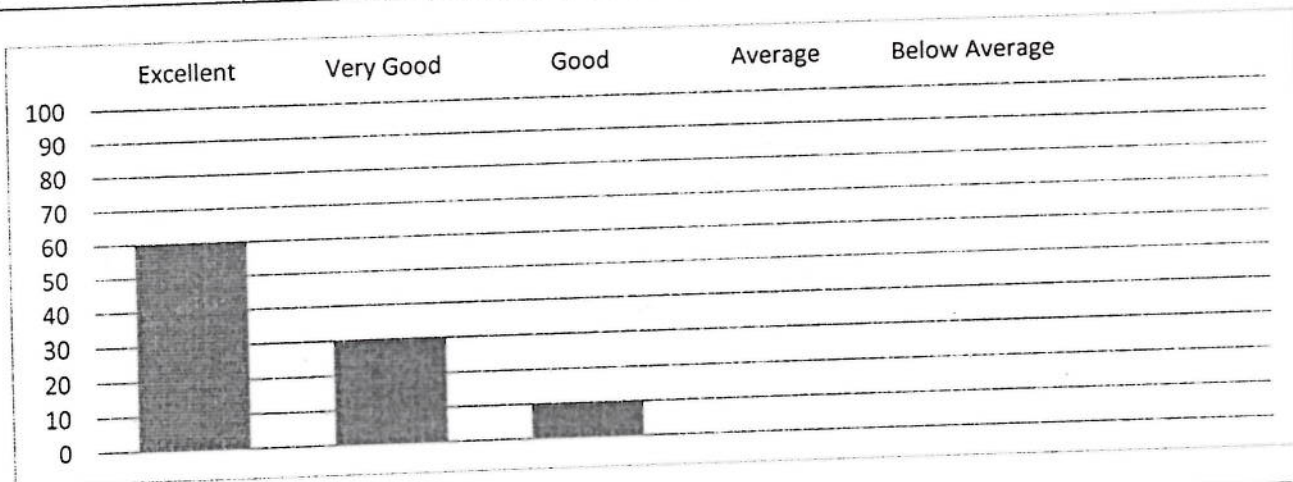
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



## STUDENTS FEEDBACK ANALYSIS ACADEMIC YEAR 2018-19

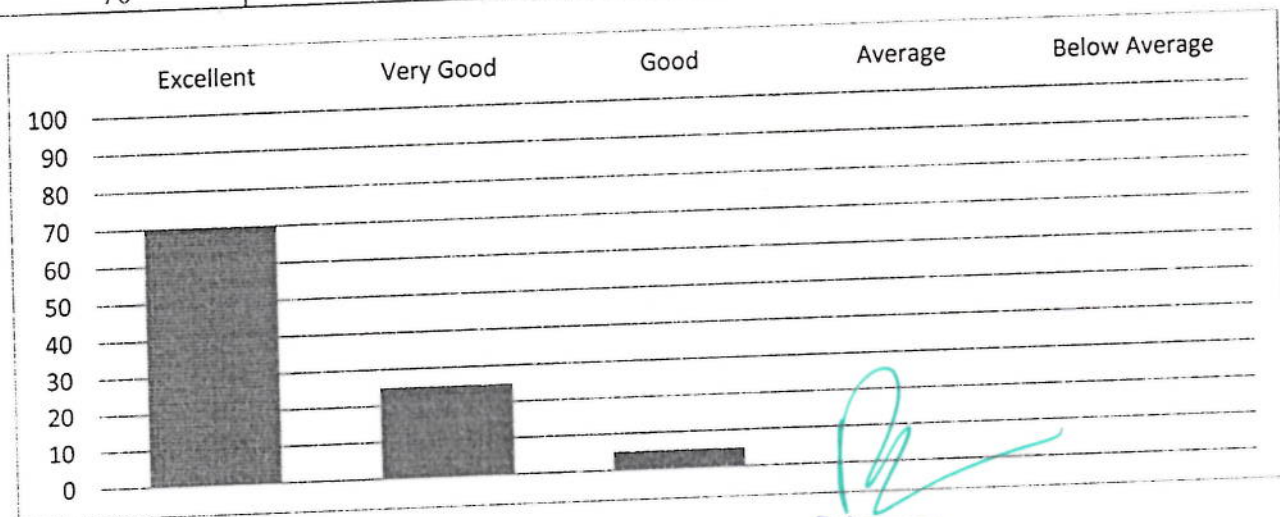
1. How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?

Excellent	Very good	Good	Average	Below average
60	30	10	0	0



2. How do you rate the allocation of the credits to the courses?

Excellent	Very good	Good	Average	Below average
70	25	5	0	0



Principal

**Sapthagiri College of Engineering**  
Chikkasandra, Hesaraghatta Road  
Bangalore-560057



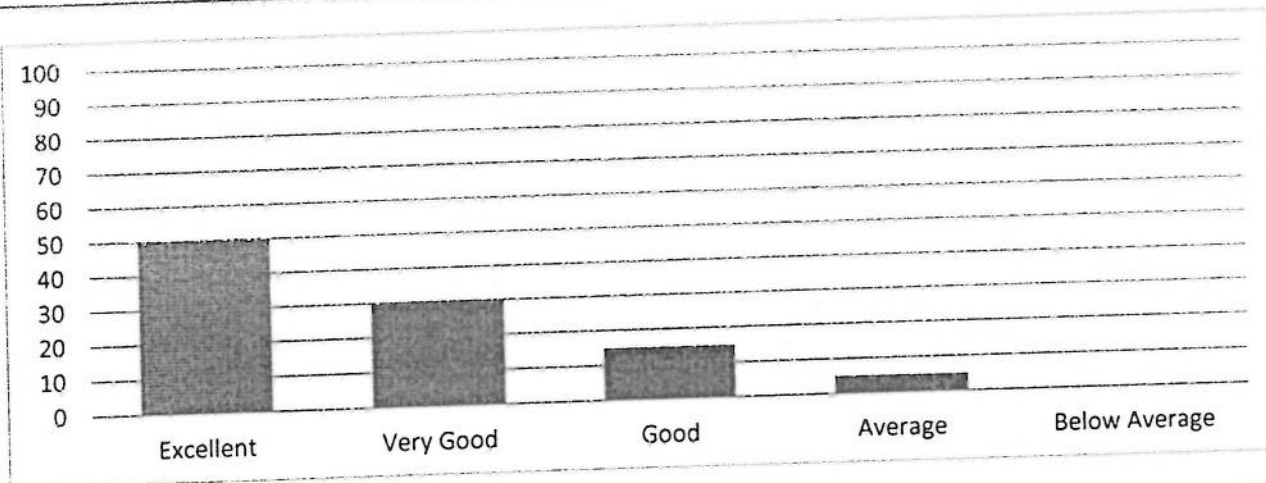


# SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R) Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)  
Chikkasandra, Bangalore-560057

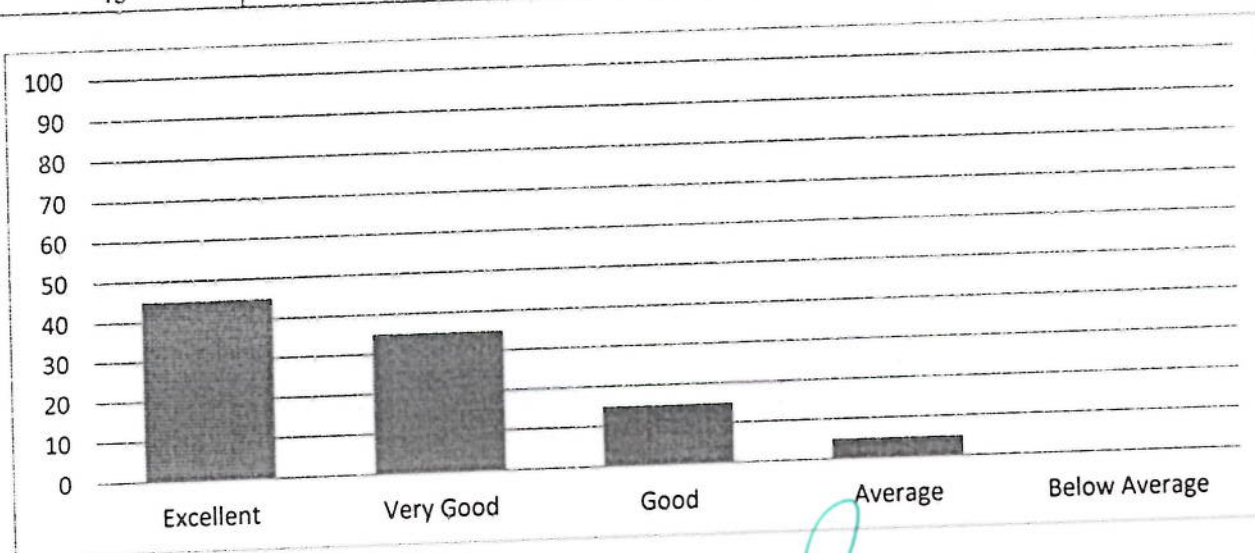
## 3. Relevance for implementation in projects

Excellent	Very good	Good	Average	Below average
50	30	15	5	0



## 4. How do you rate the electives offered in relation to the technological advancements?

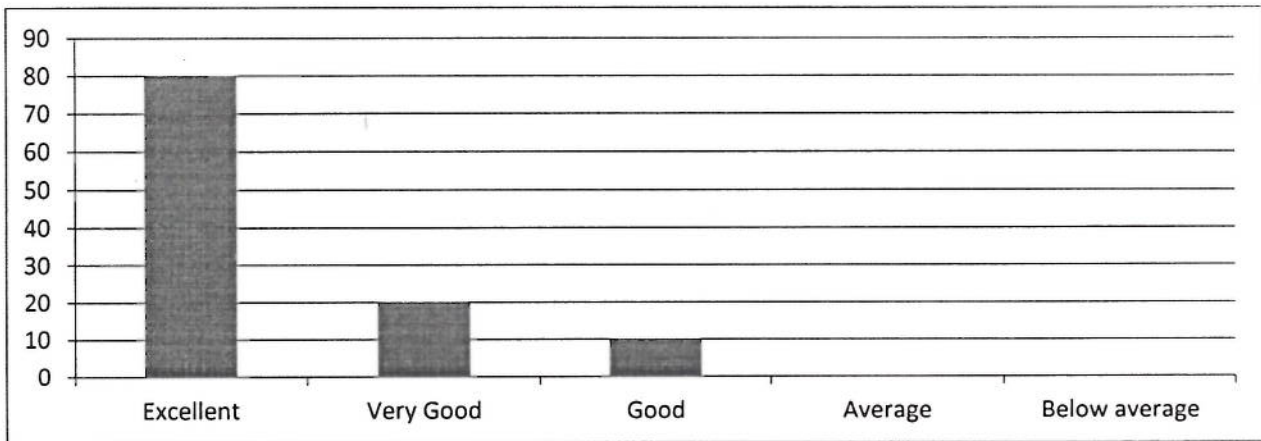
Excellent	Very good	Good	Average	Below average
45	35	15	5	0



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Sapthagiri College of Engineering  
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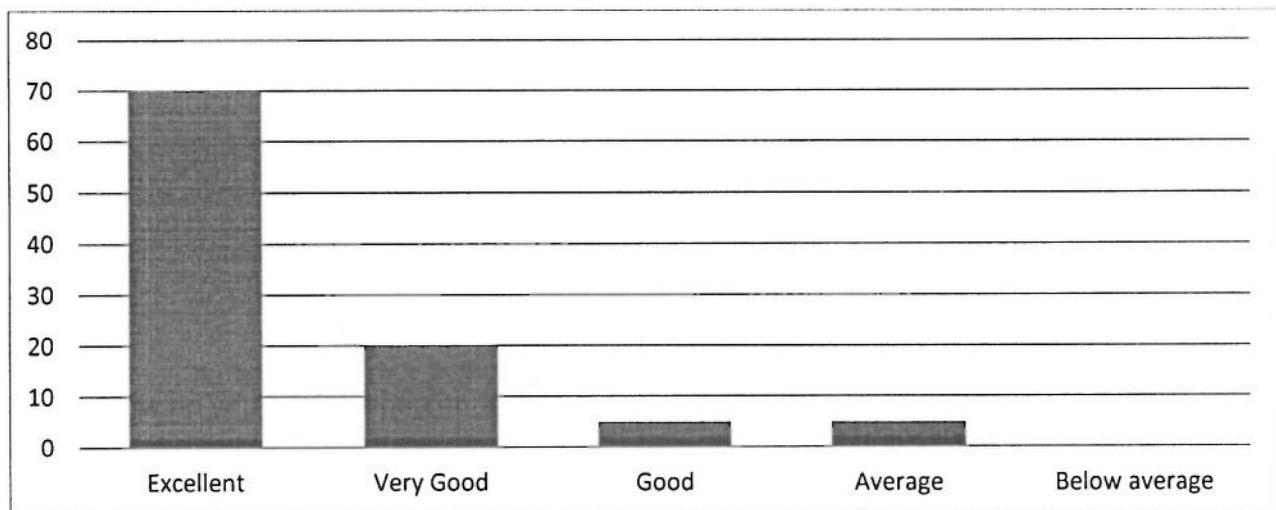
5. How do rate the evaluation scheme designed for each of the course?

Excellent	Very good	Good	Average	Below average
80	20	10	0	0



6. How do you rate the percentage of courses having LAB components?

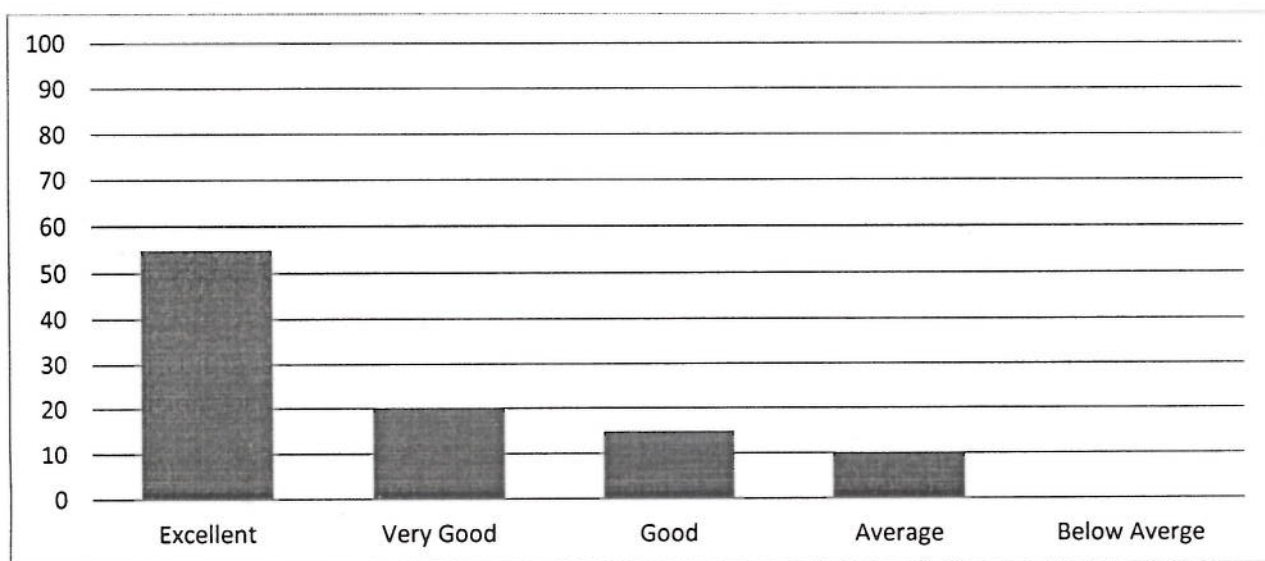
Excellent	Very good	Good	Average	Below average
70	20	5	5	0



*[Signature]*  
Principal  
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Chikkasandra, Hesaraghatta Road  
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7. Curriculum is sufficient to make you analyze the engineering problems and its suitable solution

Excellent	Very good	Good	Average	Below average
55	20	15	10	0



  
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**REPORT ON STUDENTS FEEDBACK ANALYSIS  
ACADEMIC YEAR 2018-19**

- 1 How do you rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course?**  
From the analysis report, we could observe that, 60 % of the student said that meet the expected competencies out of the course, 30 % of the student said is very good, 10 % of the student said it is good with the syllabus.
- 2 How do you rate the allocation of the credits to the courses?**  
Majority of the students, i.e, 70 % have strongly agreed about the allocation of course, 25 % of students are agreed and 5 % of students are satisfied.
- 3 Relevance for implementation in projects**  
50 % of the students strongly agreed that the curriculum is in relevance to the implementation of projects, 30% of students feel that it is very good, 15 % of students it is good and 5 % of students said that it is average.
- 4 How do you rate the electives offered in relation to the technological advancements?**  
45 % of the students strongly agreed that the syllabus is relevance to the technological advancements , 35% of students feel that it is very good, 15 % of students said that it is good and 5 % of students said that it is average.
- 5 How do rate the evaluation scheme designed for each of the course?**  
60 % of the students strongly agreed that the evaluation scheme designed for each of the course is excellent, 20% of students feel that it is very good, 15 % of students it is good and 5 % of students said that it is average and require changes.
- 6 How do you rate the percentage of courses having LAB components?**  
70 % of the students strongly agreed that the syllabus contain maximum percentage of courses having LAB components, 20% of students agreed with very good, 5 % of students it is good.
- 7 Curriculum is sufficient to make you analyze the engineering problems and its suitable solution**  
55 % of the students strongly agreed that the syllabus will make you analyze the engineering problems and its suitable solution, 20% of students agreed with very good, 15 % of students it is good and 10 % of students said that it is average.

  
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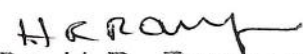


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Chikkasandra, Bangalore-560057

**Suggestions from the Students:**

Most of the students were happy with the content of the syllabus. More than 60% of the students felt that practical session on programming subjects like Java would be more useful since it is required for their mini projects and final year projects and also to meet up with the industry standards. Few students felt that mini projects would have been useful for few subjects to understand it better. Students also mentioned that hands on training on python subject would make them understand the subject efficiently.

  
Dr. H.R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057



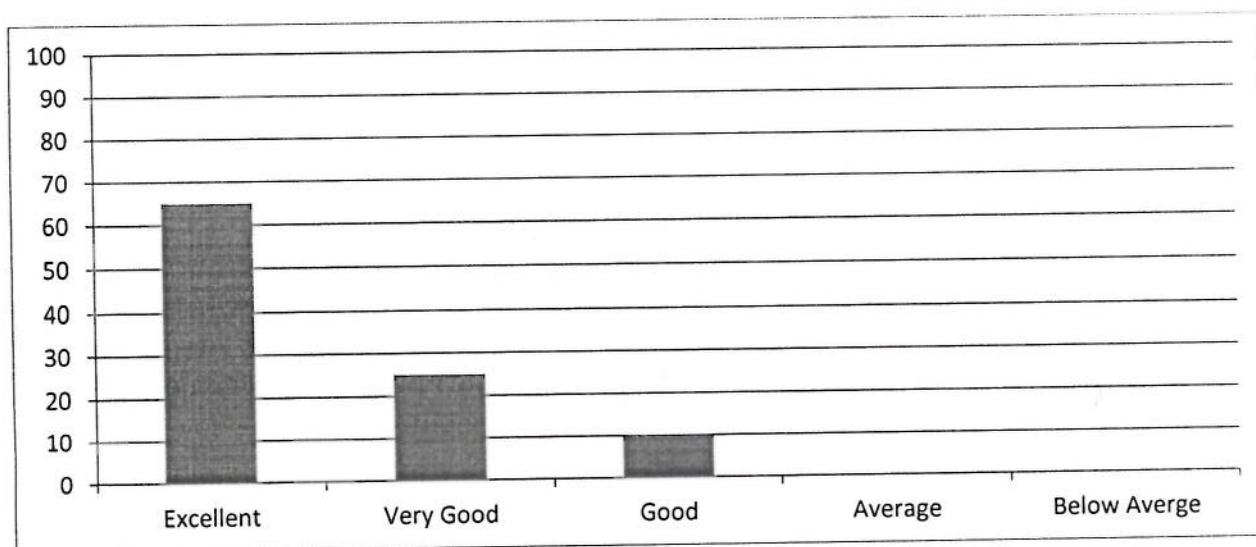
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



## FACULTY FEEDBACK ANALYSIS ACADEMIC YEAR 2018-19

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?

Excellent	Very good	Good	Average	Below average
65	25	10	0	0



2. Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?

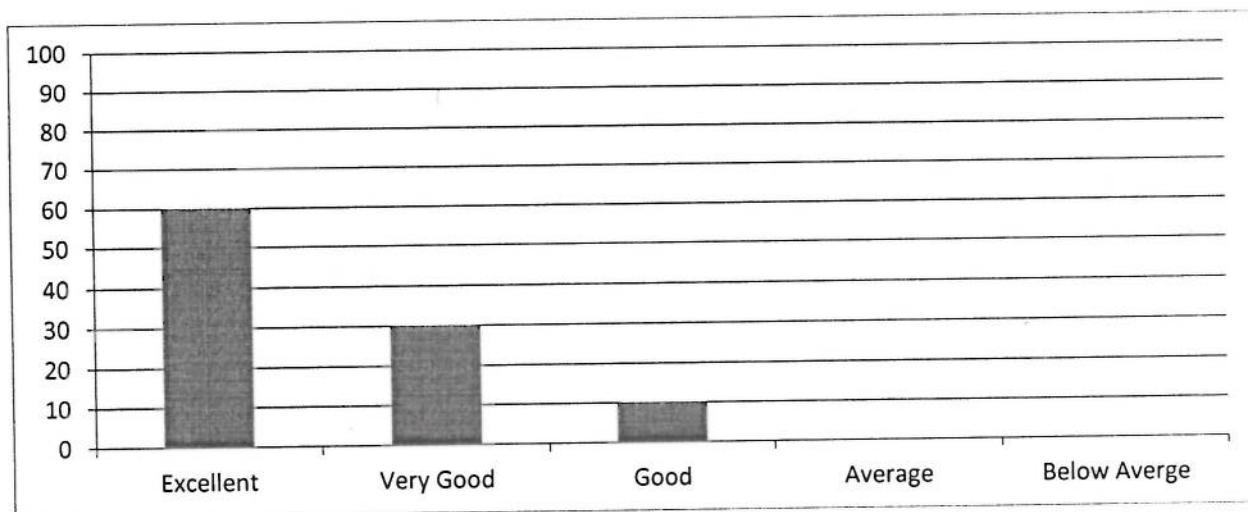
Excellent	Very good	Good	Average	Below average
50	30	20	0	0



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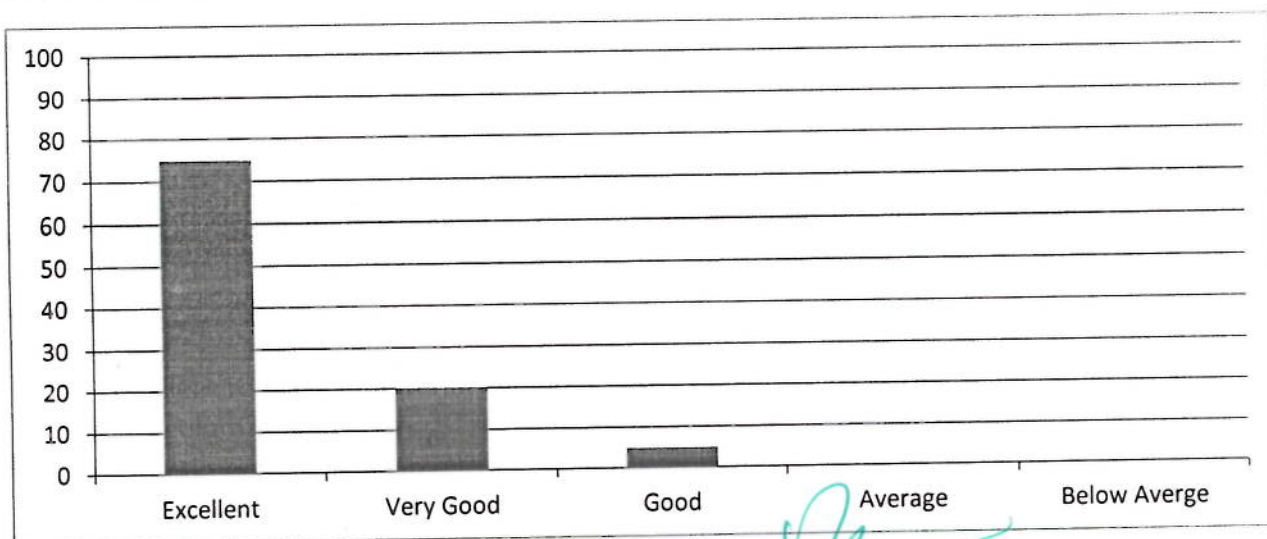
3. Is the timely coverage of curriculum possible in the mentioned number of hours?

Excellent	Very good	Good	Average	Below average
60	30	10	0	0



4. Sufficient reference material and books are available for the topics mentioned in the curriculum?

Excellent	Very good	Good	Average	Below average
75	20	5	0	0

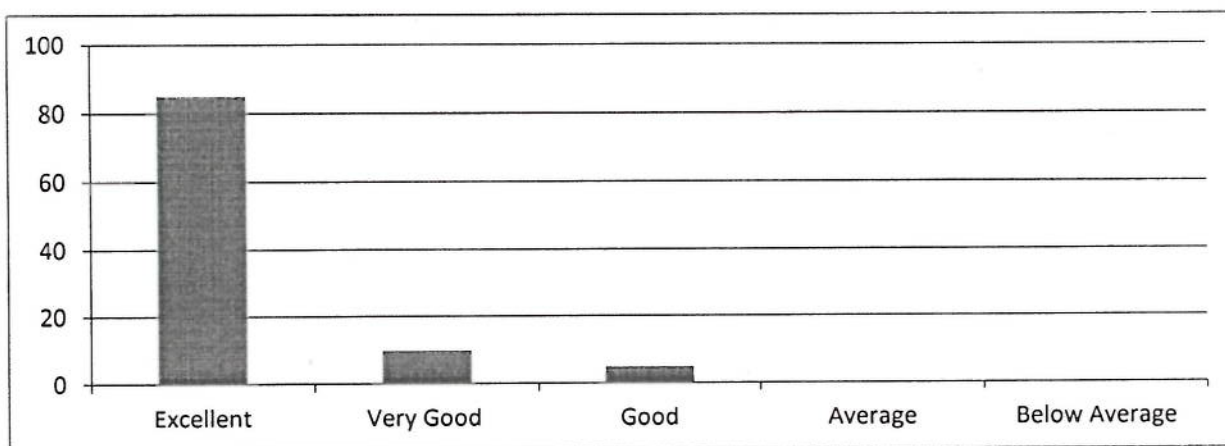


*[Signature]*  
Principal  
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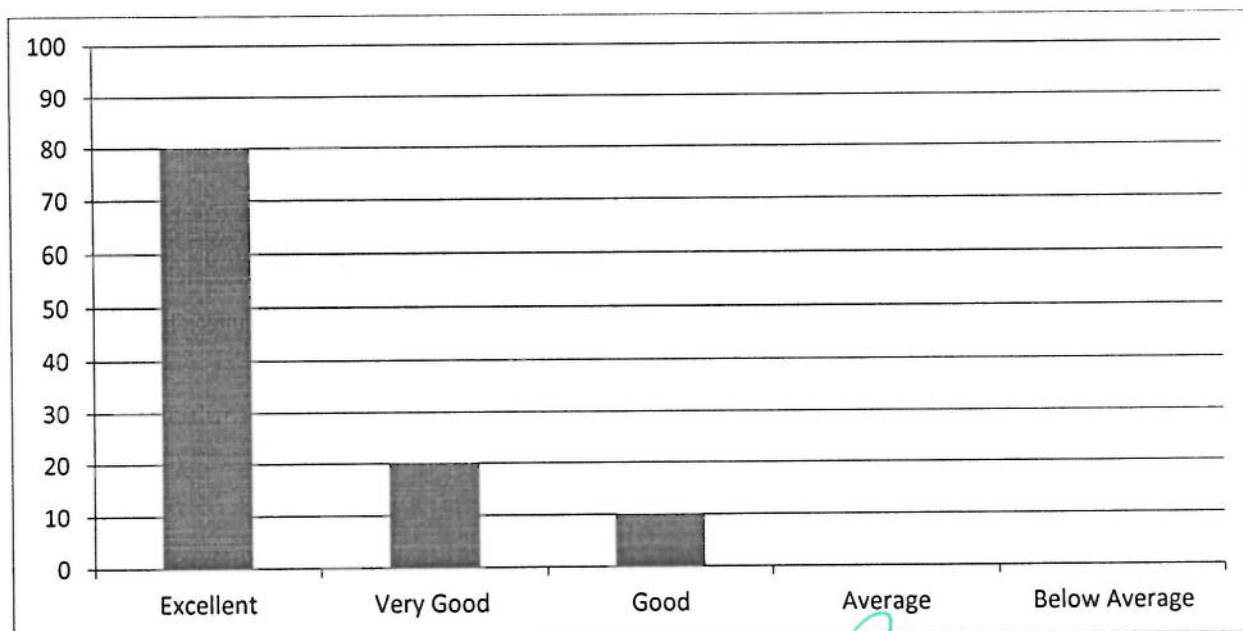
5. The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?

Excellent	Very good	Good	Average	Below average
85	10	5	0	0



6. Curriculum is suitable to the course

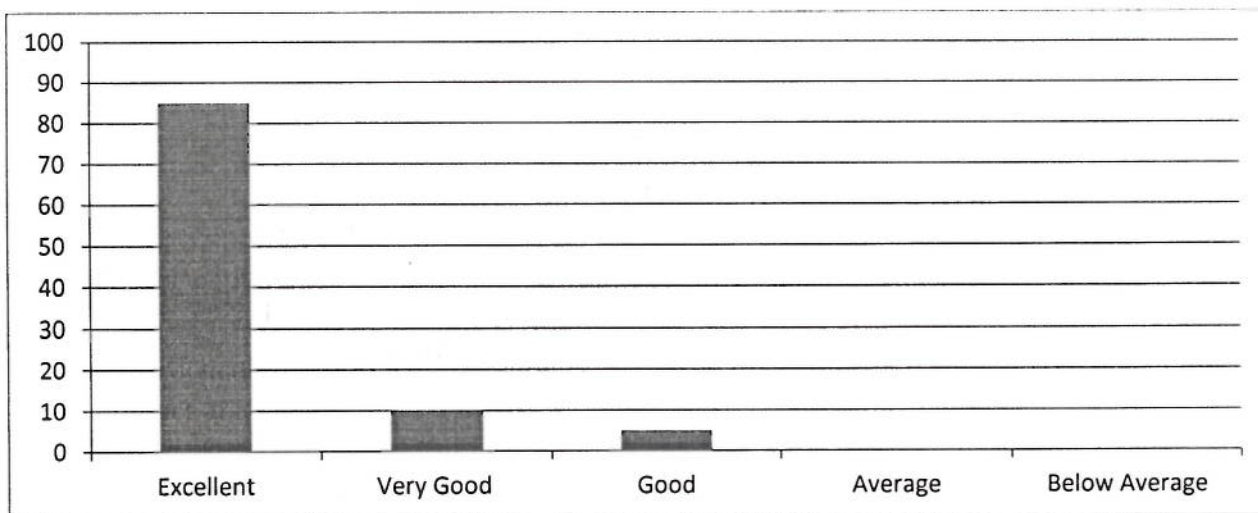
Excellent	Very good	Good	Average	Below average
80	20	10	0	0



*[Signature]*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
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7. The curriculum/course of this subject increased my knowledge and perspective in the subject area

Excellent	Very good	Good	Average	Below average
85	10	5	0	0



  
Principal  
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**REPORT ON FACULTY FEEDBACK ANALYSIS  
ACADEMIC YEAR 2018-19**

- 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?**  
Majority of the Faculties i.e, 65 % have strongly agreed that the curriculum is defined properly in a way to clarify teaching goals and meet expectation of students, 25 % of Faculties are agreed (very good) and 10 % of Faculties said it is good.
- 2 Is the curriculum sufficient to bridge the gap between industry standards /current global scenarios and academics?**  
From the analysis report, we could observe that, 50 % of the Faculties said that the curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics, 30 % of the Faculties said is very good, 20 % of the Faculties said it is good with the syllabus.
- 3 Is the timely coverage of curriculum possible in the mentioned number of hours?**  
60 % of the Faculties strongly agreed that the syllabus can be covered in the allotted hour, 30% of Faculties feel that it is very good, 10 % of Faculties it is good and requires additional classes.
- 4 Sufficient reference material and books are available for the topics mentioned in the curriculum?**  
75 % of the Faculties strongly agreed that the material and books are available for reference to the topics mentioned, 20 % of Faculties feel that it is very good, 20 % of Faculties it is good and requires additional books.
- 5 The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment?**  
85 % of the Faculties strongly agreed that the evaluation methods mentioned in the curriculum are sufficient for providing proper assessment, 10% of Faculties feel that it is very good, 5 % of Faculties it is good and requires some modification.
- 6 Curriculum is suitable to the course**  
80 % of the Faculties strongly agreed that the Curriculum is suitable to the course, 20 % of Faculties feel that it is very good, 10 % of Faculties it is good and requires some add on courses for enhancement of curriculum.
- 7 The curriculum/course of this subject increased my knowledge and perspective in the subject area**  
85 % of the Faculties strongly agreed that the Curriculum/course of this subject increased



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my knowledge and perspective in the subject area, 10 % of Faculties feel that it is very good, 5 % of Faculties said it is good.

**Suggestion from the faculties:**

Most of the faculties expressed their opinion that curriculum of the course should meet the industry standards by giving more practical session for the subjects like java, python. They also expressed that few subject syllabus is vast and cannot be covered in the given time.

Dr. H.R. Rangananda  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057

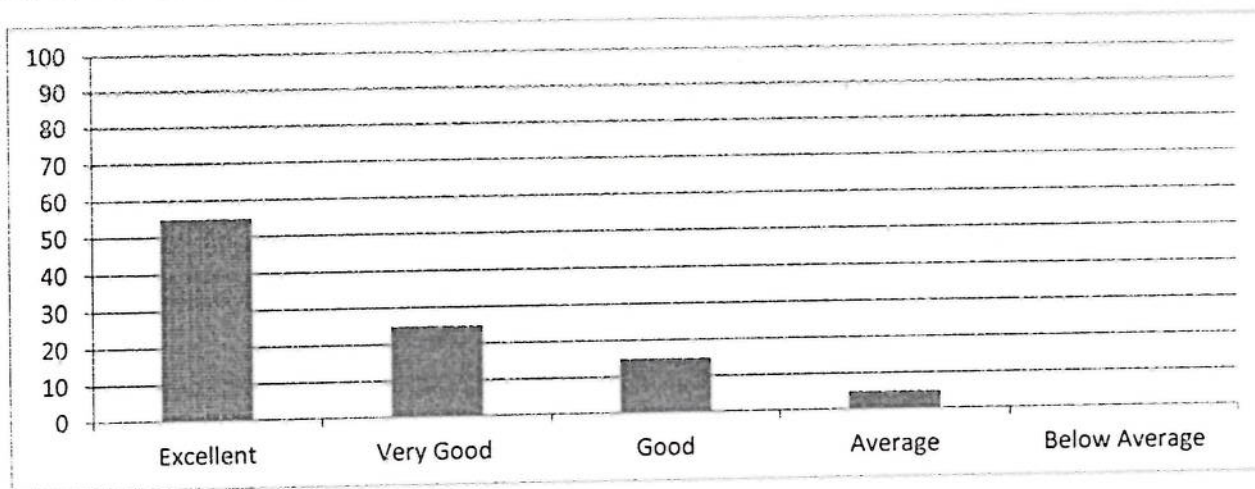
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



### ALUMNI FEEDBACK ANALYSIS ACADEMIC YEAR 2018-19

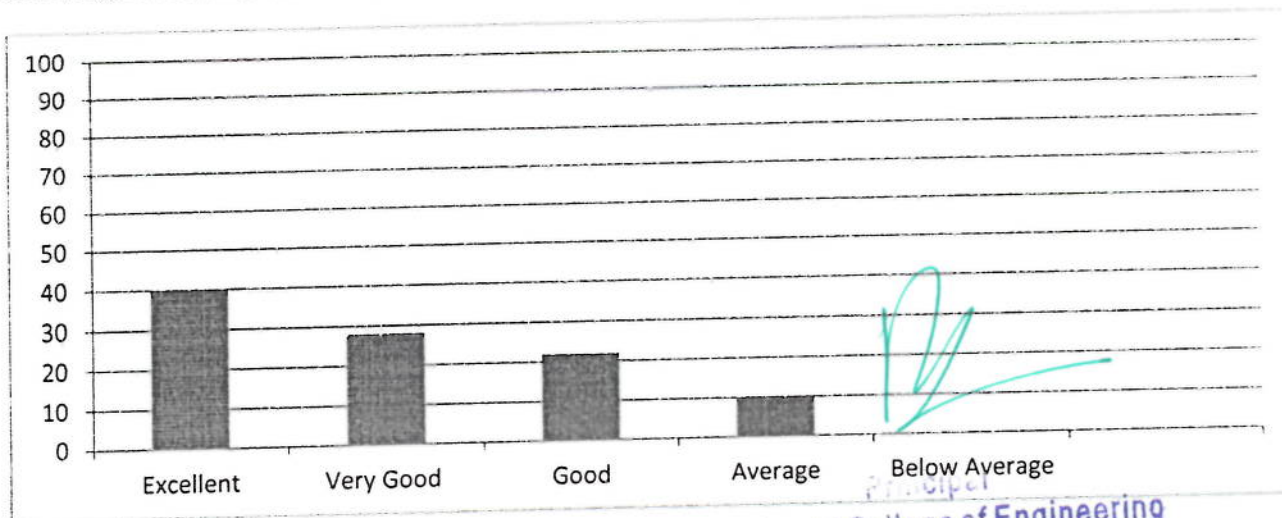
1. When you compare yourself with other counterparts from other Institution, you feel that you got most of all the facilities which is not available in other Institution

Excellent	Very good	Good	Average	Below average
55	25	15	5	0



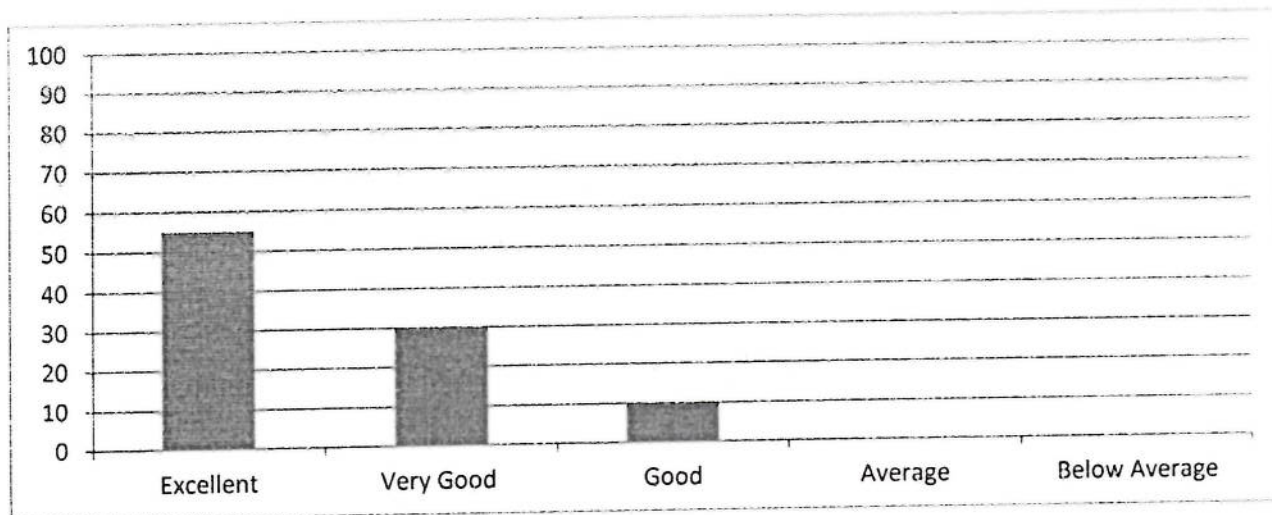
2. Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)

Excellent	Very good	Good	Average	Below average
40	28	22	10	0



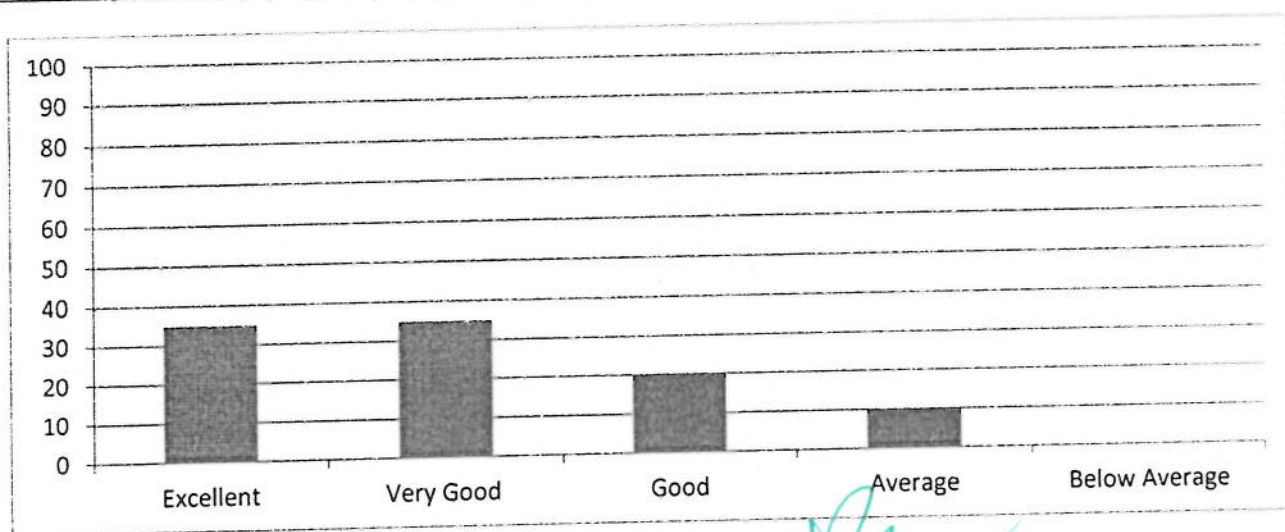
3. Curriculum is sufficient to make you analyze the engineering problems and its suitable solution

Excellent	Very good	Good	Average	Below average
55	30	10	5	0



4. How do you rate the learning experience in terms of their relevance to the real life application

Excellent	Very good	Good	Average	Below average
35	35	20	10	0

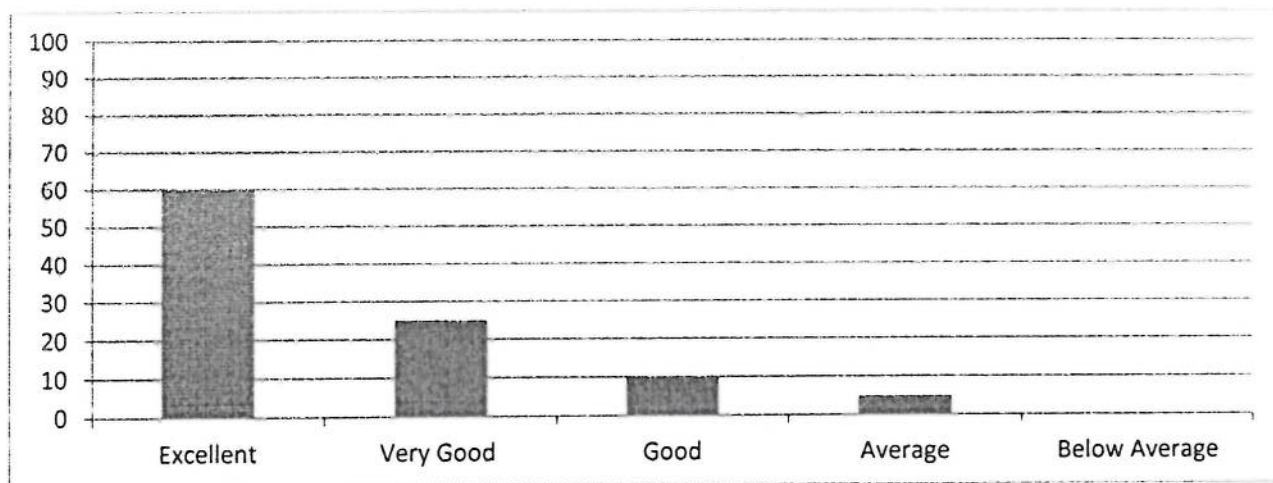


Principal  
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Bangalore- 560 057



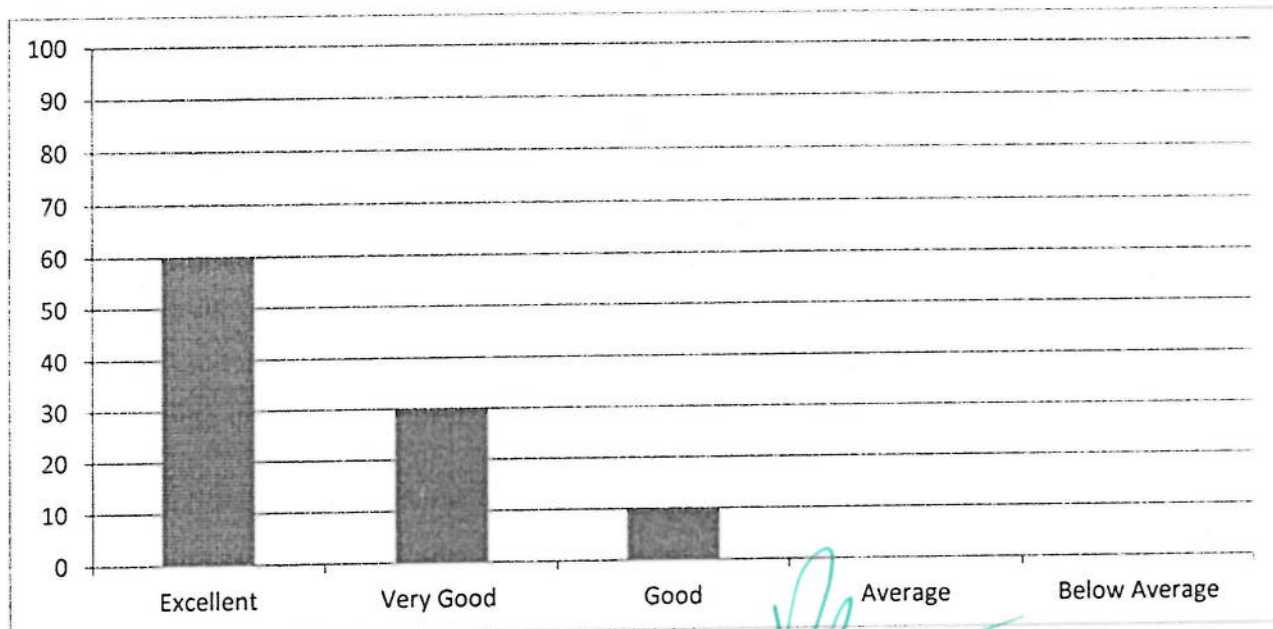
5. Ability to work in teams

Excellent	Very good	Good	Average	Below average
60	25	10	5	0



6. Ability to link theory to practice

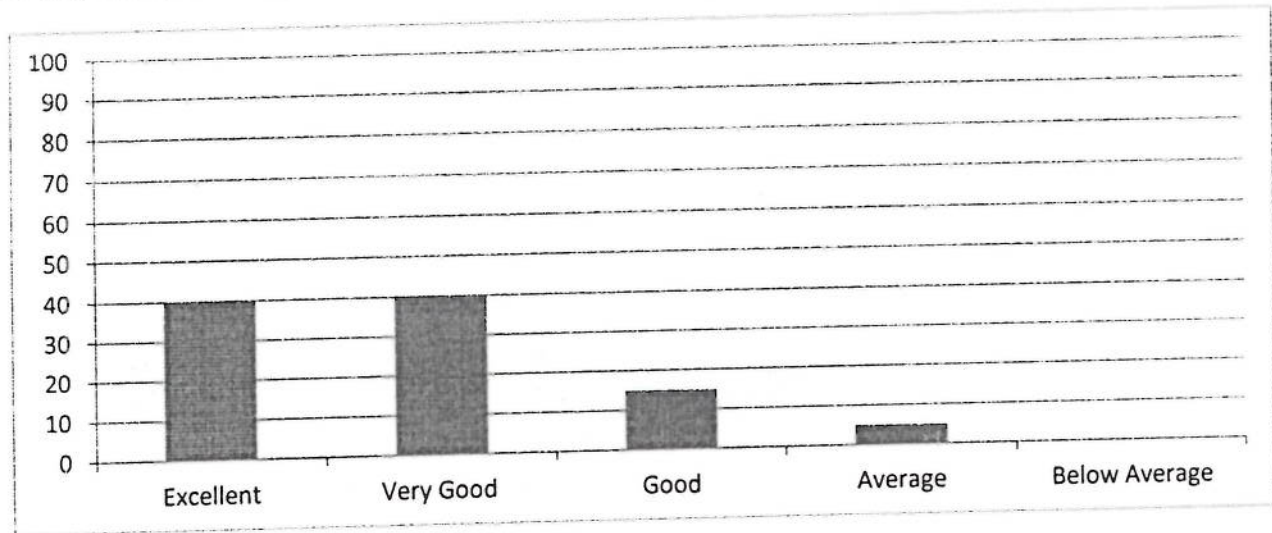
Excellent	Very good	Good	Average	Below average
60	30	10	0	0



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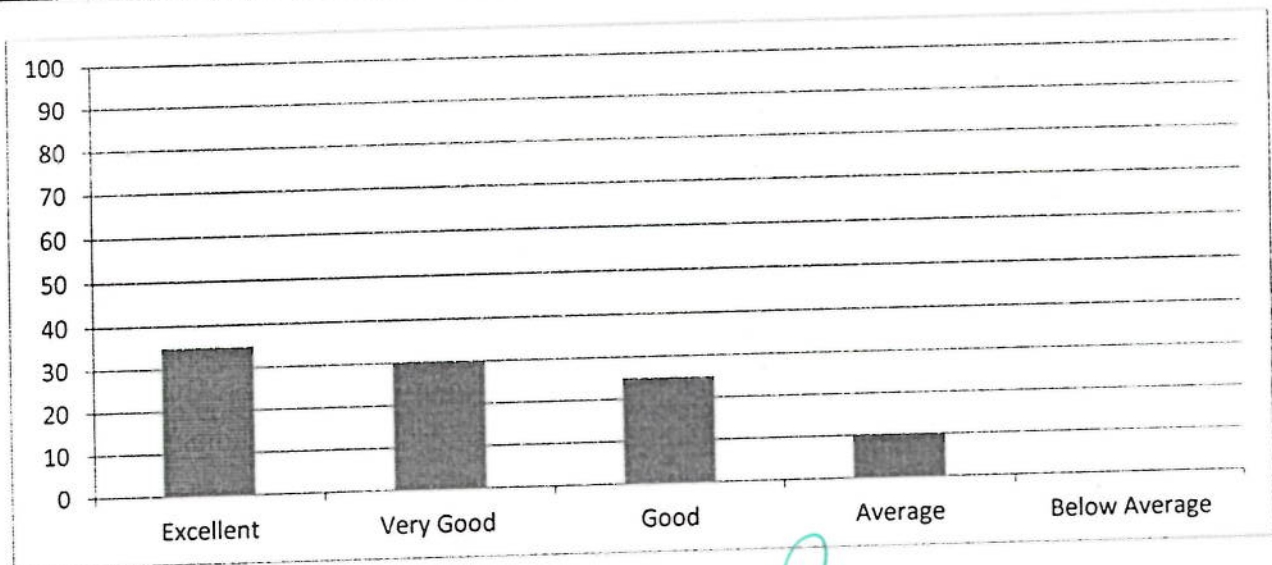
7. How do you rate the course/curriculum content that you have learnt in relation to your current job

Excellent	Very good	Good	Average	Below average
40	40	15	5	0



8. Compatibility with industry standards

Excellent	Very good	Good	Average	Below average
35	30	25	10	0



*[Signature]*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
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## REPORT ON ALUMNI FEEDBACK ANALYSIS ACADEMIC YEAR 2018-19

- 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**  
55 % of the Alumni strongly agreed that the institution is enriched with all the standard facility, 25 % of Alumni feel that it is very good, 15 % of Alumni it is good and 5 % of Alumni said it is average and request for additional facilities.
- 2 Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives)**  
From the analysis report, we could observe that, 40 % of the Alumni strongly recommend that Learning value (in terms of skills, concepts, knowledge, analytical abilities or broadening perspectives) are enhanced, 28 % of the Alumni said it is very good, 22 % of the Alumni said it is good with the Learning values and 10 % Alumni said it is average..
- 3 Curriculum is sufficient to make you analyze the engineering problems and its suitable solution**  
55 % of the Alumni strongly agreed that the Curriculum is sufficient to make and analyze the engineering problems and its suitable solution ,30 % of Alumni said it is very good , 10 % of Alumni said it is Good and 5 % of Alumni said it is average.
- 4 How do you rate the learning experience in terms of their relevance to the real life application**  
35 % of the Alumni strongly agreed that the Curriculum provides learning experience in terms of their relevance to the real life application, 35 % of Alumni said it is very good , 20 % of Alumni said it is Good and 10 % of Alumni said it is average.
- 5 Ability to work in teams**  
Majority of the Alumni i.e, 60 % have strongly agreed that the curriculum helps for Ability to work in teams, 25 % of Alumni are agreed (very good), and 10 % of Alumni said it is good and 5 % Alumni said it is average.
- 6 Ability to link theory to practice**  
60 % of the Alumni strongly agreed that the Curriculum is able to Link theory to practice through number of projects, Lab work etc., 30 % of Alumni said it is very good and 10 % of Alumni said it is Good.



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**7 How do you rate the course/curriculum content that you have learnt in relation to your current job**

40 % of the Alumni strongly agreed that the content in the Curriculum is related to current job, 40 % of Alumni said it is very good, 15 % of Alumni said it is Good and 5 % Alumni said it is average and recommend implement addition content to the curriculum in different domains.

**8 Compatibility with industry standards**

35 % of the Alumni strongly agreed that the Curriculum is Compatibility with industry standards, 30 % of Alumni said it is very good, 25 % of Alumni said it is Good and 10 % Alumni said it is average and needs implement add on courses parallel to the curriculum in different domains to reach industry standards .

**Suggestion from the alumni:**

Alumni felt that subjects should be included which meets the industry standards and practical session should be provided for such subject and on programming subjects also.

*H.R.*

**Dr H.R. Ranganatha**

Prof. & H.O.D

Dept. of Information Science & Engg.

Sapthagiri College of Engineering

# 14/5 Chikkasandra, Hesaraghatta Road

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Principal

Sapthagiri College of Engineering

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# Sapthagiri College of Engineering






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## CIRCULAR

Date: 21/05/2018

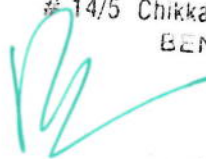
Subject: Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2018-19.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2018-19. The meeting is scheduled on 22/05/2018 at 10.30 pm in HOD's chamber.

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	

  
Dr. H. R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Date: 22/05/2018

## MINUTES OF MEETING

With reference to circular dated on 22/05/2018, the academic committee member assembled in HODs chamber for addressing the following agenda.

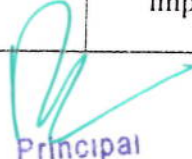
Agenda:

- Reviewing the analysis of department curriculum syllabus of Academic Year 2018-19
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation
1	Dr. H. R Ranganatha	HOD
2	Prof. Prerana Chaithra	Associate Professor
3	Prof. Ravichandra M.	Assistant Professor
4	Prof. Gayathri R	Assistant Professor
5	Prof. Ramya R	Assistant Professor

SL.NO	SEM	Course Title	Identified Gap
1	V-A/B	ADVANCED JAVA & J2EE	Lack of practical implementation

  
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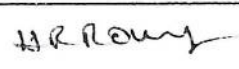



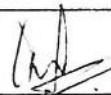
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The following points were discussed in the meeting

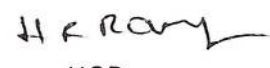
1. The committee members reviewed the analysis of department curriculum syllabus.
2. The committee members discussed about the feedback of department curriculum syllabus.
3. The members identified the gaps based on the analysis.
4. The following actions were taken for the gaps that are identified.

Action Taken:

Based on the feedback obtained from Students, Faculties and Alumni and analysis of syllabus by department academic committee members, it was decided to conduct certification course to overcome the gaps identified in the curriculum/syllabus.

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	

  
Principal  
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Chikkasandra, Hesarahatta Road  
Bengaluru-560 057

  
HOD  
Dr. H.R. Ranganatha  
Prof. & H.O.D  
Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesarahatta Main Road  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Date: 25/05/2018

To

IQAC

Sapthagiri College of Engineering

Bengaluru-560 057

Respected sir/madam,

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

With respect to the Academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2018-19. 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 a certification course for the academic year 2018-19. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

HOD

**Dr. H.R. Ranganatha**

**Prof. & H.O.D**

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057

**Principal**

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





# SAPTHAGIRI COLLEGE OF ENGINEERING

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

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone: 080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

Internal Quality Assurance Cell

## Strategic Perspective Plan for the IQAC Year 2018-19

Sl. No.	Chronology	Plan	Description	Strategy	Funds/Budget	Remarks
1	02-Jun-18	Quality Process initiation	Issues Circular to all Heads for preparation of Time table and Master Time Table, Perspective Plan of each department and Cell, Curriculum Plan, Deployment template, Staff requirement and workload, Bridge Course curriculum, Certification/Add-on Courses and other activities	Issue circulars and follow up. Deadline: 07-06-2018, 18-06-2018	Refreshments/s tationery	
2	02-Jun-18	Consolidating Workload & Faculty Requirement of each department	Collect all Workload & Faculty Requirement of all the departments	Inform GC about the faculty requirement of the college and requesting them to initiate the process	Refreshments/s tationery	
3	18-Jun-18	Consolidating the SPP of the College and deployment strategy	Collect all SPPs, brainstorm in the IQAC and seek the approval of the GC through the Principal and implement	Explain to GC and get approval and also get budget approvals	Consolidating budgetary requirements as per the SPPs of each Dept. and each Cell	

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4	19-Jun-18	Organizing Faculty Development Program on Teacher Empowerment	Mr. xxx will be invited to conduct Faculty Development Program on Teacher Empowerment	1. Coordinate the event 23-07-2018 2. 23-07-2018 to 25-07-2018, 8:30 am onwards 3. Empowering Teachers	1. Rs. 10,000/- towards the Honarium & logistics, Refreshments etc.	IQAC to form various groups for the purpose
5	27-Jan-19	Cosolidate the CPD of all the departments and to submit report for odd semester	Collect the odd semester report of each departments, committees etc. Collect workload and CPD of all subjects in each department for the next semester and sending it to GC for kind informatio	Inform GC about the Progress made in the odd semester of 2018-19 and any additional requirement for the coming semester	Refreshments/s tationery	
6	12-May-19	To conduct a FDP	Planned to conduct an FDP on Advanced Surveying Technologies using Total Station	1. Coordinate the event 2. date and time, 3. Preparation for implementation of FDP	1. Rs. 10,000/- towards the Honarium & logistics, Refreshments etc.	to be verified
7	05-Jun-19	Consolidate the reports of all the departments and committees	Collect all the reports from Departments & committees prepare final report	The Final college annual report for the academic year 2018-19 to be submitted to GC	Refreshments/s tationery	

H & R  
Coordinator

Principal

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

Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
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## Governing Council meeting 2018-18.

The second G.C meeting was held on 10th August 2018. Agenda of Governing Council meeting was -

- 1) Implementation of The decision taken during the previous governing council meeting.
- 2) Review of June 2018 Examination results.
- 3) Analysis of Deficiency report given by the Local Inspection Committee.
- 4) Ratification of new faculty appointed.
- 5) Any other subject with permission of chair man.

The following members were present in the second Governing Council meeting held on 10th Aug 2018.

- 1) Sri G. Dayanand.  
Chairman.
- 2) Sri G.D. Manoj.  
Executive Director.
- 3) Sri Keshavaraju.  
member.
- 4) Dr. K.N. Ravi.  
Staff Representative.
- 5) Prof. Sandhya Rani. M.H.  
Staff Representative.
- 6) Dr. K.L. Shivabasappa.  
Principal and member Secretary.

Governing council meeting started with welcoming the honorary members by Dr. K.L. Shivabasappa, Principal and member Secretary.

Most of the decision taken during the previous meeting was implemented and ratified and some other matter

Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
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is being discussed in the present meet too.

The committee went through the result of even semester examination held in July 2018. They appreciated the principal, Administrative Officer, HOD's and all staff members for their efforts put in to get good result. The result was improved in all departments. It is hoped that this year we will get ranks.

The committee was appraised by the principal, that VTU local Inspection committee has highlighted deficiency in many areas such as shortage of ~~lect~~ professors, Associate professors and Assistant professors as per VTU norms. LIC also highlighted deficiency in cadre ratio, faculty-student ratio non implementation of previous LIC deficiency report. The same was apprised to the G-C members by principal. The committee discussed each deficiency and resolved to improve before next visit of LIC.

The Governing Council members ratified the appointment of following faculty members:

1) Dr. Veena more -

Professor

2) Dr. Gurusanth

3) Dr. Anurag M.S.

Bio-Tech Department

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road

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Chemistry Department



4) Rajiv T.

Civil Engg

5) Dr. R.L. Ramesh - HOD & prof

Civil Engg Dept.

6) Nandhini N.

Computer Science & Engg

7) Srikanth Gowda R.

Computer Science & Engg

8) Vinutha A.

Computer Science & Engg

9) Sumangal S. Tambli

EEE

10) Sudarshan D.

ISE

11) Devaraj S.

ISE

12) Shiva Murali Mohan

Mechanical Engg

13) Namratta V.

Physics

The meeting appreciated steps taken by Principal and Administrative Officer as they were in forefront in implementing strict discipline among students and teaching communities. Principal expressed his happiness for support being extended by his fellow staff members. The meeting concluded with principal's vote of 'Thanks'.

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



## Governing Council Meeting 2018-19

The agenda of the meeting are as follows.

1. Implementation of decision taken during the previous G.C. meeting.
2. Review of every semester result.
3. Appointment of new faculty members holding PhD.
4. Fixing date for Sankalp - 2013.
5. NAAC Accreditation
6. Any other matter with permission of chair

proceeding of governing council meeting was held on 26-12-18 at 11.30 am in Board room of the college. The following members were present.

1. Sri. G. Rajamanda -  
(Chairman)

2. Sri. G. D. Manoj  
Executive Director

3. Sri. M. L. Kesharaj  
Member

4. Mr. K. N. Ravi  
Staff Representative

5. Prof. Sushila Ravi. M. A.  
Staff Representative

6. Mr. K. L. Shrivatsa  
Principal & Member Secretary

Principal  
Sathagiri College of Engineering  
Sankasandra, Hesaraghatta Road  
Bangalore - 560 057




1. The meeting commenced with prayer. Dr. H. L. Shivabasappa, welcoming the honorable members of Governing Council. The member Secretary Read out the proceedings of previous meetings and the same was ratified unanimously by the G. C. members.
2. The university result of even Sem examination held on May/June - 18 was reviewed by all the members. The members expressed their satisfaction at the continuous increase in pass percentage. They hoped that, this year college would get ranks in different branches.
3. The G. C. members gave permission to conduct interview for the post of professor & asst. professor holding ph.d. by calling advertisement in leading national newspapers, also to form an expert committee along with subject expert for conduction of interview.
4. In the G. C. meeting, It was decided hold college Fest Samsalp 2019 in March - 19 by inviting personalities from electronic media.
5. The principal explained to the members about the information being made and various steps taken, to fulfill the criteria



For NAAC accreditation. All documentation process has been initiated to maintain records of Student attendance, T n marks, Lesson plan, teachers diary, Academic calendar, VTU results, placement records, & Faculty appointments as per AICTE norms giving emphasis for improving sports, cultural extra curricular & co-curricular activities. He expressed that the college will be in a position to get NAAC accreditation at. All the proposals of NAAC are satisfied.

6. The principal explained the members about Faculty DDP prog. being conducted in various dept. in the college, also to encourage the Faculty to attend Seminar, Workshop paper presentation & FDP in other Colleges/University which give potential to enhance their subject knowledge.

7. The meeting concluded at 1.30 pm with the principal thanking all the members for their active participation, valuable suggestions on various topics discussed in the meeting.

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





## Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Date: 10-07-2018

From:

The HOD,  
Department of Information Science & Engineering,  
Sapthagiri College of Engineering,  
Bengaluru-560057

To:

The Principal,  
Sapthagiri College of Engineering,  
Bengaluru-560057

Respected Sir,

**Subject:** Requisition for the approval to conduct Certification Program

Department of ISE has planned to conduct a 5 days certification program on "Advanced Java & J2EE using eclipse" from 23-Jul-2018 to 27-Jul-2018. So, I request you to kindly consider and approve the same so as to proceed further.

Thanking you,

Yours faithfully,

HOD

Dr. H.R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
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Principal  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Date: 10-02-2018

To,

THE PRINCIPAL

Sapthagiri College of Engineering

Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of certification program on "Advanced Java & J2EE".

The Budget Proposal for conduction a certification program on Advanced Java & J2EE from 23-Jul-2018 to 27-Jul-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	1	200
2	Snacks	Students	1000
3	Remuneration, TA & DA	1	5000
Total			6200

HOD

Dr. H.R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg  
Sapthagiri College of Eng

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Date: 13-07-2018

To,

THE HOD

Department of ISE

Sapthagiri College of Engineering

Bangalore - 560057.

Respected Sir,

Subject: Approval to conduct certification program on "Advanced Java & J2EE using Eclipse" from 23-07-2018 to 27-07-2018.

Ref: Your request letter regarding certification program on "Advanced Java & J2EE using Eclipse" from 23-07-2018 to 27-07-2018 dated 10<sup>th</sup> July 2018.

With reference to the above, this is to inform you that the permission to conduct certification program on "Advanced Java & J2EE using Eclipse" is approved and sanctioned with the proposed budget.

  
PRINCIPAL

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
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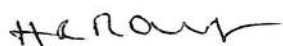
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Date: 11-07-2018

## CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 12/07/2018 at 10.30AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "Advance Java and J2EE using Eclipse.

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	

  
HOD  
Dr. H.R. Ranganatha  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057



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Sapthagiri College of Engineering  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Date: 11-07-2018

To,

Prof. Surya Prakash  
Assistant Professor,  
Department of CSE,  
Sapthagiri College of Engineering  
Bangalore - 560057.

Respected Sir,

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

Department of Information Science & Engineering have planned to conduct a certification program titled "Advanced Java & J2EE" for 5<sup>th</sup> semester students from 23-07-2018 to 27-07-2018. 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 13/07/2018. We look forward to welcome you at SCE.

Thanking you

Yours faithfully

Dr. H.R. Ranganatha  
Prof. & H.O.D

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## Minutes of Meeting

A meeting was conducted on 13-Jul-2018 in ISE HoD's Chamber to discuss and approve the following about the 5 days Certification Course for 5<sup>th</sup> semester ISE Students.

- **Course Title :** Advance JAVA & J2EE using Eclipse
- **Resource Personnel :** Prof. Surya Prakash, Asst Professor, Dept of CSE, Sapthagiri College of Engineering, Bengaluru.
- **Course Duration & Date:** 5 Days from 23-Jul-2018 to 27-Jul-2018
- **Syllabus :**
  - Enumerations
  - Autoboxing
  - Collection Framework
  - String Handling
  - Event Handling
  - Swings
  - Servlets
  - Applet

Lesson Plan of the certification program

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.00pm)	No. of Hours
23-7-2018 Monday	<ul style="list-style-type: none"> <li>Enumerations</li> <li>Autoboxing</li> <li>Type Wrappers</li> </ul>	<ul style="list-style-type: none"> <li>Annotations</li> <li>I/O applet</li> <li>Generics examples</li> </ul>	Hands on Enumerations and Autoboxing examples	6
24-7-2018 Tuesday	<ul style="list-style-type: none"> <li>The Collection Framework Introduction</li> <li>Collection Interface</li> <li>Collection Classes</li> </ul>	<ul style="list-style-type: none"> <li>Working with maps</li> <li>The Map Interface</li> <li>NavigableMap</li> <li>The Map Classes</li> <li>Comparators.</li> </ul>	Hands on Collections and comparators in JAVA	6
25-7-2018 Wednesday	<ul style="list-style-type: none"> <li>String handling</li> <li>1. Special String operations</li> <li>2. String Comparisons</li> <li>3. Character Extraction</li> <li>4. String Buffer</li> </ul>	<ul style="list-style-type: none"> <li>Event Handling</li> <li>1. Delegation Event Model</li> <li>2. Event Classes</li> <li>3. Event Listener Interfaces</li> </ul>	Hands on Sting handling and Event Handling	6

  
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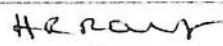








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26-7-2018 Thursday	<ul style="list-style-type: none"> <li>Introducing Swings</li> <li>Swing containers and Components</li> <li>Swing Feature</li> <li>Simple Swing Application</li> </ul>	<ul style="list-style-type: none"> <li>Exploring Swings</li> <li>Swing Buttons</li> <li>JScrollPane</li> <li>JComboBox</li> <li>Trees</li> <li>JTable</li> <li>JTabbedPane</li> </ul>	Hands on Swing Programming	6
27-7-2018 Friday	<ul style="list-style-type: none"> <li>Introduction to Servlets.</li> <li>Servlets Life Cycle</li> <li>A Simple Servlet</li> <li>Java Servlet Packages</li> </ul>	<ul style="list-style-type: none"> <li>Applets Fundamentals</li> <li>Invoking Overloaded Constructors using applets</li> </ul>	Hands on Servlet and Applet Programming. Test Conduction	6
Total				30

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. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	
6	Prof. Surya Prakash	Guest Speaker	

  
**HOD**  
**Dr. H.R. Ranganatha**  
**Prof. & H.O.D**

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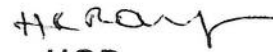
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## NOTICE

As a part of programming skill development Department of Information Science and Engineering is conducting Five days Certification Course on **“Advance Java and J2EE using Eclipse”** from 23-July-2018 to 27-July-2018

All the 5<sup>th</sup> sem ISE students must attend the course compulsorily.

  
HOD

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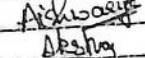
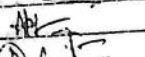
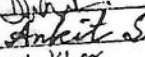
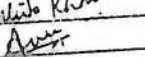
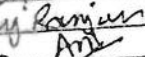

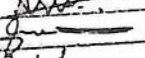
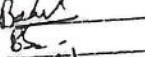
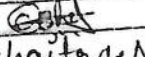
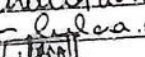
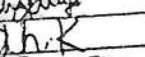
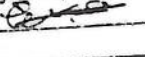
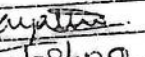
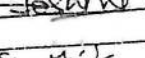


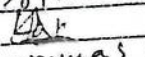
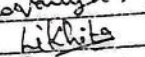
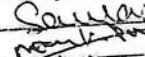
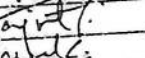
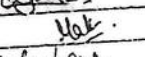
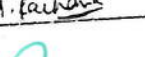



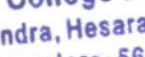




# SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE – 57.

## Department of Information Science & Engineering

### Students enrolled for the Certification Course

Academic year 2018-19

Sl No.	USN	Name of the Student	Signature
1	ISG16IS001	AADITHYA AMAN	
2	ISG16IS002	ABHIJIT KUMAR	
3	ISG16IS003	AISHWARYA N	
4	ISG16IS004	AISHWARYA G	
5	ISG16IS005	AKSHAY H A	
6	ISG16IS008	ANANYA	
7	ISG16IS009	ANKIT NIRMALKAR	
8	ISG16IS010	ANKIT SINHA	
9	ISG16IS011	ANKITA KHAN	
10	ISG16IS012	ANNAPOORNA M S	
11	ISG16IS013	ANUJ RANJAN KUMAR	
12	ISG16IS014	ARJUN CS	
13	ISG16IS015	ARUN C	
14	ISG16IS016	ASHISH KUMAR	
15	ISG16IS017	ASHISH NAMBIAR	
16	ISG16IS019	BADAL SHARMA	
17	ISG16IS020	BRIJESH KUMAR	
18	ISG16IS021	CHAITRA GAJANAN BHAT	
19	ISG16IS022	CHAITRA N	
20	ISG16IS023	CHANDANA M	
21	ISG16IS024	CHETAN KUMAR	
22	ISG16IS025	DHANUSH K	
23	ISG16IS026	G S NUTHAN	
24	ISG16IS028	HARSHA V	
25	ISG16IS029	JAYA THAKUR	
26	ISG16IS031	JOSHNA P N	
27	ISG16IS033	KARTHIK C KATTI	
28	ISG16IS034	KARTHIK M M	
29	ISG16IS035	KAVYA VASUDEV	
30	ISG16IS036	KEERTHI S	
31	ISG16IS037	KUMAR AYUSH	
32	ISG16IS039	LAKSHMAN SHARMA K P	
33	ISG16IS040	LAVANYA S	
34	ISG16IS041	LIKHITA B	
35	ISG16IS042	M KUMAR SAURAV	
36	ISG16IS043	MANAN V PATEL	
37	ISG16IS045	MANJUSHREE T	
38	ISG16IS046	MAYANK KUMAR VERMA	
39	ISG16IS047	MD AKRAM KAZMI	
40	ISG16IS048	MEDEHAL RACHANA	

41	ISG16IS049	MENAN DEEP	<i>Menan</i>
42	ISG16IS050	MILINDA B	<i>Milinda</i>
43	ISG16IS051	MOHIT KUMAR	<i>Mohit Kumar</i>
44	ISG16IS052	N NIVEDHA	<i>N Nivedha</i>
45	ISG16IS053	NEHA H	<i>Neha H</i>
46	ISG16IS054	NEHA P PATIL	<i>Neha P Patil</i>
47	ISG16IS055	NEHA RANI	<i>Neha Rani</i>
48	ISG16IS056	NIDHI J	<i>Nidhi J</i>
49	ISG16IS058	NIKHIL TOMAR	<i>Nikhil Tomar</i>
50	ISG16IS059	NIRANJAN HEGDE	<i>Niranjana Hegde</i>
51	ISG16IS060	NISHANTH KUMAR	<i>Nishanth Kumar</i>
52	ISG16IS062	OMKAR R	<i>Omkar R</i>
53	ISG16IS064	PAVITHRA P	<i>Pavithra P</i>
54	ISG16IS065	PAYAL GUPTA	<i>Payal Gupta</i>
55	ISG16IS404	SANTHOSH C	<i>Santhosh C</i>
56	ISG16IS133	NAGAMMA	<i>Nagamma</i>
57	ISG16IS132	SAMPRITHA K G	<i>Sampritha K G</i>
58	ISG15IS053	KRUTHIKA Y SONWALKAR	<i>Kruthika Y Sonwalkar</i>
59	ISG15IS071	NAVYASHREE	<i>Navyashree</i>

*H.R. Ranganama*

Signature of HOD

Dr. H.R. Ranganama

Prof. & H.O.D

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*[Signature]*

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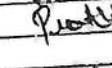
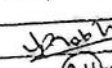
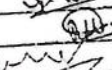
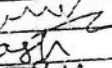
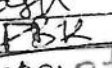
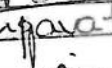
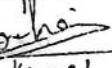
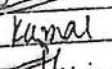
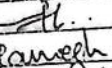
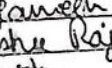
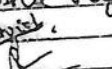
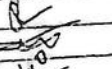
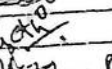
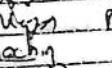

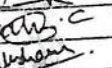
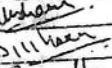
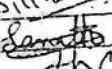
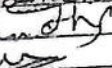
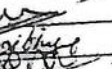
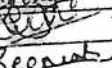
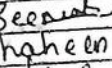
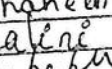
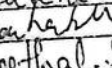
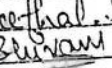
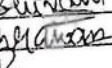
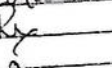
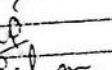
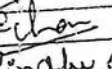
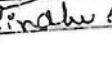


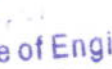
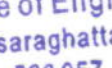






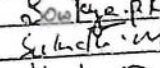
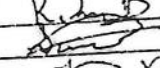
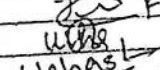
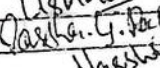
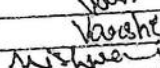
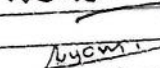
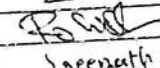
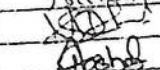
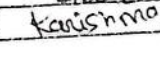


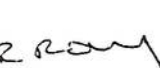
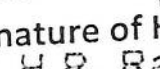
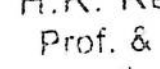
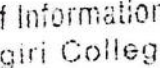
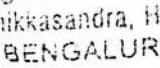


# SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE – 57.

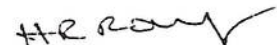
## Department of Information Science & Engineering

### Students enrolled for the Certification Course

Academic year 2018-19

Sl No.	USN	Name of the Student	Signature
1	ISG15IS025	ASHWIN M	
2	ISG15IS027	AVINABH	
3	ISG15IS079	PRATHIK KUMAR	
4	ISG15IS091	REHAN INAMDAR	
5	ISG16IS066	PRABHAT PUNDIR	
6	ISG16IS068	PRAGATHI.V	
7	ISG16IS069	Y S PRANAV	
8	ISG16IS070	PRASHANTH C	
9	ISG16IS072	PRIYANKA B KATTIMANI	
10	ISG16IS073	PUSHPAVATHI H S	
		RAGHAVENDRA LAXMAN	
11	ISG16IS074	ACHARI	
12	ISG16IS075	RAHUL KUMAR	
13	ISG16IS076	RAHUL RAJU N	
14	ISG16IS077	RAMESH V	
15	ISG16IS079	RISHEE RAJ	
16	ISG16IS080	RITWICK	
17	ISG16IS081	ROBIN SINGH CHAUHAN	
18	ISG16IS082	RUPAM PAUL	
19	ISG16IS083	S GAYATHRI	
20	ISG16IS084	S SURIYS RASHMI	
21	ISG16IS085	SACHIN DOLTA	
22	ISG16IS086	SACHIN R	
23	ISG16IS087	SAHANA C	
24	ISG16IS088	SAKSHAM BALLYAN	
25	ISG16IS089	SAKSHAM PHADKE	
26	ISG16IS090	SANATH KUMAR BHAT K	
27	ISG16IS091	SANATH S	
28	ISG16IS092	SANCHITA HEGDE	
29	ISG16IS093	SAURA MOHAN GAJBHIYE	
30	ISG16IS094	SAURAV DUBEY	
31	ISG16IS095	SEEMA R	
32	ISG16IS096	SHAHEEN M	
33	ISG16IS097	SHALINI K V	
34	ISG16IS098	SHASHANK M BAIRY	
35	ISG16IS100	SHEETHAL S	
36	ISG16IS101	SHIVAM PANDEY	
37	ISG16IS102	SHRAVAN KUMAR	
38	ISG16IS103	SHREE RAKSHA R	
39	ISG16IS104	SHREYA G	
40	ISG16IS105	SHRUTI VISHWANATHA BHAT	
41	ISG16IS106	SINCHANA S BABU	
42	ISG16IS107	SINDHU V.S	

43	ISG16IS108	SOHAN VEMU	
44	ISG16IS109	SOWKYA P K	
45	ISG16IS110	SUKRUTHA M	
46	ISG16IS111	SUNIL KUMAR K	
47	ISG16IS112	SWASTIK HEGDE	
48	ISG16IS113	TARUN KUMAR K M	
49	ISG16IS115	USHA R	
50	ISG16IS116	USHA S L	
51	ISG16IS118	VARSHA G RAJ	
52	ISG16IS119	VARSHA V	
53	ISG16IS120	VARSHITHA J	
54	ISG16IS123	VISHWARAJ VEER	
55	ISG16IS124	VISHWAS VALAHATTI	
56	ISG16IS126	VYOM MISHRA	
57	ISG16IS127	ROHIT RAJUR	
58	ISG16IS128	SREENATH	
59	ISG16IS129	ABHISHEK HOLLA	
60	ISG16IS130	ARSHAD MAKARANI	
61	ISG16IS131	KARISHMA JAISWAL	



Signature of HOD

Dr. H.R. Ranganatha

Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Road  
BENGALURU-560 057



Principal

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



**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Attendance**

Sl No.	USN	Student Name	23-7-18		24-7-18		25-7-18		26-7-18		27-7-18		Test
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	
1	ISG16IS001	AADITHYA AMAN	1	2	3	4	5	6	7	7	8	9	10
2	ISG16IS002	ABHIJIT KUMAR	0	1	2	3	4	5	6	7	8	9	10
3	ISG16IS003	AISHWARYA N	1	2	3	4	5	6	7	8	9	10	11
4	ISG16IS004	AISHWARYA G	1	2	3	4	5	6	7	8	9	10	11
5	ISG16IS005	AKSHAY H A	1	2	3	4	5	6	7	8	9	10	11
6	ISG16IS008	ANANYA	1	2	3	4	5	6	7	8	9	9	10
7	ISG16IS009	ANKIT NIRMALKAR	1	2	2	4	5	6	7	8	9	10	11
8	ISG16IS010	ANKIT SINHA	1	2	3	4	5	6	7	8	9	10	11
9	ISG16IS011	ANKITA KHAN	1	2	3	4	5	6	7	8	9	10	11
10	ISG16IS012	ANNAPOORNA M S	1	2	3	4	5	6	7	8	9	10	11
11	ISG16IS013	ANUJ RANJAN KUMAR	1	2	3	4	5	6	7	8	9	10	11
12	ISG16IS014	ARJUN CS	1	2	3	4	5	6	7	8	9	10	11
13	ISG16IS015	ARUN C	1	2	3	4	5	6	7	8	9	10	11
14	ISG16IS016	ASHISH KUMAR	1	2	3	4	5	6	7	8	9	10	11
15	ISG16IS017	ASHISH NAMBIAR	1	2	3	4	5	6	7	8	9	10	11
16	ISG16IS019	BADAL SHARMA	1	2	3	3	4	5	6	7	8	9	10
17	ISG16IS020	BRIJESH KUMAR	1	2	3	4	5	6	7	8	9	10	11
18	ISG16IS021	CHAITRA G BHAT	1	2	3	4	5	6	7	8	9	10	11
19	ISG16IS022	CHAITRA N	1	2	3	4	5	6	7	8	9	10	11
20	ISG16IS023	CHANDANA M	1	2	3	4	5	6	7	8	9	10	11
21	ISG16IS024	CHETAN KUMAR	1	2	3	4	5	6	7	8	9	10	11
22	ISG16IS025	DHANUSH K	1	2	3	3	4	5	6	7	8	9	10
23	ISG16IS026	G S NUTHAN	1	2	3	3	4	5	6	7	8	9	10
24	ISG16IS028	HARSHA V	1	2	3	4	5	6	7	8	9	10	11
25	ISG16IS029	JAYA THAKUR	1	2	3	4	5	6	7	8	9	10	11
26	ISG16IS031	JOSHNA P N	1	2	3	4	5	6	7	8	9	10	11
27	ISG16IS033	KARTHIK C KATTI	0	1	2	3	4	5	6	7	8	9	10
28	ISG16IS034	KARTHIK M M	1	2	3	4	5	6	7	8	9	10	11
29	ISG16IS035	KAVYA VASUDEV	1	2	3	4	5	6	7	8	9	10	11
30	ISG16IS036	KEERTHI S	1	2	3	4	5	6	7	8	9	10	11



**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057  
**Department of Information Science and Engineering**

Sl No.	USN	Student Name	23-7-18		24-7-18		25-7-18		26-7-18		27-7-18		Test
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	
31	ISG16IS037	KUMAR AYUSH	1	2	3	4	4	5	6	7	8	9	10
32	ISG16IS039	LAKSHMAN SHARMA	1	2	3	4	5	6	7	8	9	10	11
33	ISG16IS040	LAVANYA S	1	2	3	4	5	6	7	8	9	10	11
34	ISG16IS041	LIKHITA B	1	2	3	4	5	6	7	8	9	10	11
35	ISG16IS042	M KUMAR SAURAV	1	2	3	3	4	5	6	7	8	9	10
36	ISG16IS043	MANAN V PATEL	1	2	3	4	5	6	7	8	9	10	11
37	ISG16IS045	MANJUSHREE T	1	2	3	4	5	6	7	8	9	10	11
38	ISG16IS046	MAYANK KUMAR V	1	2	3	4	5	6	7	8	9	10	11
39	ISG16IS047	MD AKRAM KAZMI	1	2	3	4	5	6	7	8	9	10	11
40	ISG16IS048	M RACHANA	1	2	3	4	5	6	7	8	9	10	11
41	ISG16IS049	MENAN DEEP	0	1	2	3	4	5	6	7	8	9	10
42	ISG16IS050	MILINDA B	1	2	3	4	5	6	7	8	9	10	11
43	ISG16IS051	MOHIT KUMAR	1	2	3	4	5	6	7	8	9	10	11
44	ISG16IS052	N NIVEDHA	1	2	3	4	5	6	7	8	9	10	11
45	ISG16IS053	NEHA H	1	2	3	4	5	6	7	8	9	10	11
46	ISG16IS054	NEHA P PATIL	1	2	3	4	5	6	7	8	9	10	11
47	ISG16IS055	NEHA RANI	1	2	3	4	5	6	7	8	9	10	11
48	ISG16IS056	NIDHI J	1	2	3	4	5	6	7	8	9	10	11
49	ISG16IS058	NIKHIL TOMAR	1	2	3	4	5	6	7	8	9	10	11
50	ISG16IS059	NIRANJAN HEGDE	1	2	3	4	5	6	7	8	9	10	11
51	ISG16IS060	NISHANTH KUMAR	1	2	3	4	5	6	7	8	9	10	11
52	ISG16IS062	OMKAR R	1	2	3	4	5	6	7	8	9	10	11
53	ISG16IS064	PAVITHRA P	1	2	3	4	5	6	7	8	9	10	11
54	ISG16IS065	PAYAL GUPTA	0	1	2	3	4	5	6	7	8	9	10
55	ISG16IS404	SANTHOSH C	0	1	2	3	4	5	6	7	8	9	10
56	ISG16IS133	NAGAMMA	1	2	3	4	5	6	7	8	9	10	11
57	ISG16IS132	SAMPRITHA K G	1	2	3	4	5	6	7	8	9	10	11
58	ISG15IS053	KRUTHIKA Y S	0	1	2	3	4	5	6	7	8	8	9
59	ISG15IS071	NAVYASHREE	1	2	3	4	5	6	7	8	8	9	10
Signature			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road #14/5 Chikkasandra, Hesaraghatta  
BANGALORE-560 057

*[Signature]*  
HOD  
Dr H.R. Ranganatha  
Prof. & H.O.D  
Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road #14/5 Chikkasandra, Hesaraghatta  
BANGALORE-560 057



**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Attendance**

Sl No.	USN	Student Name	23-7-18		24-7-18		25-7-18		26-7-18		27-7-18		Test
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	
1	ISG15IS025	ASHWIN M	1	2	3	4	5	6	7	8	9	10	11
2	ISG15IS027	AVINABH	1	2	3	4	5	5	6	7	7	8	9
3	ISG15IS079	PRATHIK KUMAR	1	2	2	2	3	4	5	6	7	8	9
4	ISG15IS091	REHAN INAMDAR	1	2	2	2	3	4	5	6	6	7	8
5	ISG16IS066	PRABHAT PUNDIR	0	1	2	3	4	5	6	7	8	9	10
6	ISG16IS068	PRAGATHI V	1	2	3	4	5	6	7	8	9	10	11
7	ISG16IS069	Y S PRANAV	1	2	3	4	5	6	7	8	9	10	11
8	ISG16IS070	PRASHANTH C	1	2	3	4	5	6	7	8	9	10	11
9	ISG16IS072	PRIYANKA B K	1	2	3	4	5	6	7	8	9	10	11
10	ISG16IS073	PUSHPAVATHI H S	1	2	3	4	5	6	7	8	9	10	11
11	ISG16IS074	RAGHAVENDRA L A	1	2	3	4	5	6	7	8	9	10	11
12	ISG16IS075	RAHUL KUMAR	1	2	3	4	5	6	7	8	9	10	11
13	ISG16IS076	RAHUL RAJU N	1	2	3	4	5	6	7	8	9	10	11
14	ISG16IS077	RAMESH V	1	2	3	4	5	6	7	8	9	10	11
15	ISG16IS079	RISHEE RAJ	1	2	3	4	5	6	7	8	9	10	11
16	ISG16IS080	RITWICK	1	2	3	4	5	6	7	8	9	10	11
17	ISG16IS081	ROBIN SINGH C	1	2	3	4	5	6	7	8	9	10	11
18	ISG16IS082	RUPAM PAUL	1	2	3	4	5	6	7	8	9	10	11
19	ISG16IS083	S GAYATHRI	1	2	3	4	5	6	7	8	9	10	11
20	ISG16IS084	S SURIYS RASHMI	1	2	3	4	5	6	7	8	9	10	11
21	ISG16IS085	SACHIN DOLTA	1	2	3	4	5	6	7	8	9	10	11
22	ISG16IS086	SACHIN R	1	2	3	4	5	6	7	8	9	10	11
23	ISG16IS087	SAHANA C	1	2	3	4	5	6	7	8	9	10	11
24	ISG16IS088	SAKSHAM BALYAN	0	2	3	4	5	6	7	8	9	10	11
25	ISG16IS089	SAKSHAM PHADKE	1	2	3	4	5	6	7	8	9	10	11
26	ISG16IS090	SANATH KUMAR BHAT	1	2	3	4	5	6	7	8	9	10	11
27	ISG16IS091	SANATH S	1	2	2	3	4	5	6	7	8	9	10
28	ISG16IS092	SANCHITA HEGDE	1	2	3	3	4	5	6	7	8	8	9
29	ISG16IS093	SAURA M GAJBHIYE	1	2	3	4	5	5	6	7	8	9	10
30	ISG16IS094	SAURAV DUBEY	1	2	3	4	5	6	7	8	9	10	11



Sl No.	USN	Student Name	23-7-2018		24-7-2018		25-7-2018		26-7-2018		27-7-18		Test
			MS	AS	MS	AS	MS	AS	MS	AS	MS	AS	
31	ISG16IS095	SEEMA R	1	2	3	4	5	6	7	8	9	10	11
32	ISG16IS096	SHAHEEN M	1	2	3	4	5	6	7	8	9	10	11
33	ISG16IS097	SHALINI K V	1	2	3	4	5	6	7	8	9	10	11
34	ISG16IS098	SHASHANK M BAIRY	1	2	3	4	5	6	7	8	9	10	11
35	ISG16IS100	SHEETHAL S	1	2	3	4	5	6	7	8	9	10	11
36	ISG16IS101	SHIVAM PANDEY	1	2	3	4	5	6	7	8	9	10	11
37	ISG16IS102	SHRAVAN KUMAR	1	2	3	4	4	5	6	7	8	9	10
38	ISG16IS103	SHREE RAKSHA R	1	2	2	3	4	5	6	7	8	9	10
39	ISG16IS104	SHREYA G	1	2	3	4	5	6	7	8	9	10	11
40	ISG16IS105	SHRUTI V BHAT	1	2	3	4	5	6	7	8	9	10	11
41	ISG16IS106	SINCHANA S BABU	1	2	3	4	4	5	6	7	8	9	10
42	ISG16IS107	SINDHU V.S	1	2	3	4	4	5	6	7	8	9	10
43	ISG16IS108	SOHAN VEMU	1	2	3	4	5	6	7	8	9	10	11
44	ISG16IS109	SOWKYA P K	1	2	3	4	5	6	7	8	9	10	11
45	ISG16IS110	SUKRUTHA M	1	2	3	4	5	6	7	8	9	10	11
46	ISG16IS111	SUNIL KUMAR K	1	2	2	3	3	4	5	6	7	8	9
47	ISG16IS112	SWASTIK HEGDE	1	2	3	4	5	6	7	8	9	10	11
48	ISG16IS113	TARUN KUMAR K M	1	2	3	4	5	6	7	8	9	10	11
49	ISG16IS115	USHA R	1	2	3	4	5	6	6	7	8	9	10
50	ISG16IS116	USHA S L	1	2	3	4	5	6	7	8	9	10	11
51	ISG16IS118	VARSHA G RAJ	1	2	3	4	5	6	7	8	9	10	11
52	ISG16IS119	VARSHA V	1	2	3	4	5	6	7	8	9	10	11
53	ISG16IS120	VARSHITHA J	1	2	3	4	5	6	7	8	9	10	11
54	ISG16IS123	VISHWARAJ VEER	1	2	3	4	5	6	6	7	8	9	10
55	ISG16IS124	VISHWAS VALAHATTI	1	2	2	3	4	5	6	7	8	9	10
56	ISG16IS126	VYOM MISHRA	1	2	3	4	5	6	7	8	9	10	11
57	ISG16IS127	ROHIT RAJUR	1	2	3	4	5	5	6	7	8	9	10
58	ISG16IS128	SREENATH	1	2	3	4	5	6	7	8	9	10	11
59	ISG16IS129	ABHISHEK HOLLA	1	2	3	4	5	6	7	8	9	10	11
60	ISG16IS130	ARSHAD MAKARANI	1	2	3	4	5	5	6	6	7	8	9
61	ISG16IS131	KARISHMA JAISWAL	1	2	3	4	5	6	7	8	9	10	11
			P	P	P	P	P	P	P	P	P	P	P

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Chikkasandra, Hesaraghatta Road  
Bangalore-560 057

HOD  
**Dr H.R. Ranganatha**  
Prof. & H.O.D  
Dept. of Information Science & Engg.  
**Sapthagiri College of Engineering**  
# 14/5 Chikkasandra, Hesaraghatta Main  
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## 5 days Certification Course on "Advance JAVA & J2EE using Eclipse" Test Time Table

Sl. No.	DATE	DAY	TIMINGS
1	27-07-2018	Friday	3.00PM-4.00PM

*H.R. Rangananda*

HOD

Dr H.R. Rangananda  
Prof. & H.O.D

Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057

*[Signature]*

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Bangalore- 560 057

## 5 days Certification Course on “Advance JAVA & J2EE using Eclipse”

### Question Paper

Duration : 1hr

Maximum marks : 25

Note: Question number 1-15 (1M each)

Question number 16 & 17 (5M each)

**Answer all the Questions:**

1) Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?

- a) java.util.HashSet      b) java.util.LinkedHashSet  
c) java.util.List          d) java.util.ArrayList

2) Which is valid declaration of a float?

- a) float f=1F;    b) float f=1.0;    c) float f="1";    d) float f=1.0d;

3) What is the output of following snippet

Enum levels

```
{  
Private TOP,  
Public MEDIUM,  
Protected BOTTOM;  
}
```

- a) Runtime Error                      b) Enum not defined Exception  
c) It runs successfully              d) Compilation error

4) What is the output of the following program?

```
public class Test  
{  
    public static void main(String[] args)  
    {  
        int value = 3, sum = 6 + -- value;  
    }  
}
```



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```
int data = --value + ++value / sum++ * value++ + ++sum % value--;  
System.out.println(data);  
} }
```

a) 1 b) 2 c) 0 d) 3

5) Consider the following HTML page code: `<html><body><a href='/servlet/HelloServlet'>POST</a></body></html>` Which method of HelloServlet will be invoked when the hyperlink is clicked?

a) doGet b) doPost c) doHref d) servicePost.

6) Which of these class is superclass of String and StringBuffer class?

a) java.util b) java.lang c) ArrayList d) None of the mentioned

7) Which of these methods is used to compare a specific region inside a string with another specific region in another string?

a) regionMatch() b) match() c) RegionMatches() d) regionMatches()

8) What invokes immediately after the start() method and also any time the applet needs to repaint itself in the browser?

a). stop() b). init() c). paint() d). destroy()

9) Which of these ways used to communicate from an applet to servlet?

a). RMI Communication      b.) HTTP Communication  
c) Socket Communication      d). All mentioned above

10) What is the correct signature of jspDestroy() method of HttpJspPage class?

a) void jspDestroy(HttpServletRequest request, HttpServletResponse response)  
b) void jspDestroy(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException  
c) void jspDestroy()

d) void jspDestroy() throws ServletException, IOException

11) Which of the following code retrieves the body of the request as binary data?

- a) `DataInputStream data = new InputStream()`
- b) `DataInputStream data = response.getInputStream()`
- c) `DataInputStream data = request.getInputStream()`
- d) `DataInputStream data = request.fetchInputStream()`

12) The JDBC-ODBC bridge is

- a) Multithreaded
- b) Singlethreaded
- c) Both of the above
- d) None of the above

13) When using a JavaBean to get all the parameters from a form, what must the property be set to (??? in the following code) for automatic initialization? `<jsp:useBean id='fBean' class='govt.FormBean' scope='request' /><jsp:setProperty name='fBean' property='???' /><jsp:forward page='/servlet/JSP2Servlet' />`

- a) \*
- b) all
- c) @
- d) =

14) Predict the output of following program

filename Main.java

```
class Test {  
    protected int x, y;  
}  
  
class Main {  
    public static void main(String args[] ) {  
        Test t = new Test();  
        System.out.println(t.x + " " + t.y);  
    }  
}
```



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15) public class Calculator

```
{
    int num = 100;
    public void calc(int num) { this.num = num * 10; }
    public void printNum() { System.out.println(num); }

    public static void main(String[] args)
    {
        Calculator obj = new Calculator();
        obj.calc(2);
        obj.printNum();
    }
}
```

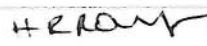



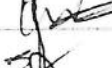
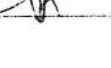
Options :

A) 20    B) 100    C) 1000    D) 2

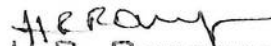
16) Write a JSP program to loop through cookie and display cookie name and value

17) Write a program to connect the database using the properties and all the exceptions should be handled.

Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	
6	Prof. Surya Prakash	Guest Speaker	



  
Dr. H.R. Ranganatha  
Prof. & H.O.D

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## 5 days Certification Course on “Advance JAVA & J2EE using Eclipse”

### Solutions for the Questions

Duration : 1hr

Maximum marks

:25

Note: Question number 1-15 (1M each)

Question number 16 & 17 (5M each)

### Answer all the Questions:

1) Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?

- a) java.util.HashSet      b) java.util.LinkedHashSet  
c) java.util.List          d) java.util.ArrayList

Answer: option D

2) Which is valid declaration of a float?

- a) float f=1F;    b) float f=1.0;    c) float f="1";    d) float f=1.0d;

Answer: option A

3. What is the output of following snippet

Enum levels

{

Private TOP,

Public MEDIUM,

Protected BOTTOM;

}

- a) Runtime Error                      b) Enum not defined Exception  
c) It runs successfully                d) Compilation error

Answer: Option D



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4) What is the output of the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        int value = 3, sum = 6 + -- value;

        int data = --value + ++value / sum++ * value++ + ++sum % value--;
        System.out.println(data);
    }
}
```

a) 1 b) 2 c) 0 d) 3

Answer: Option B

5) Consider the following HTML page code: <html><body><a href='/servlet/HelloServlet'>POST</a></body></html> Which method of HelloServlet will be invoked when the hyperlink is clicked?

a) doGet b) doPost c) doHref d) servicePost.

Answer: Option A

6) Which of these class is superclass of String and StringBuffer class?

a) java.util b) java.lang c) ArrayList d) None of the mentioned

Answer: Option B

7) Which of these methods is used to compare a specific region inside a string with another specific region in another string?

a) regionMatch() b) match() c) RegionMatches() d) regionMatches()

Answer: option D



8) What invokes immediately after the start() method and also any time the applet needs to repaint itself in the browser?

- a). stop() b). init() c). paint() d). destroy()

Answer: option C

9) Which of these ways used to communicate from an applet to servlet?

- a). RMI Communication                      b.) HTTP Communication  
c) Socket Communication                  d). All mentioned above

Answer option d: All the above

10) What is the correct signature of jspDestroy() method of HttpJspPage class?

- a) void jspDestroy(HttpServletRequest request, HttpServletResponse response)  
b) void jspDestroy(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException  
c) void jspDestroy()  
d) void jspDestroy() throws ServletException, IOException

Answer: option C

11) Which of the following code retrieves the body of the request as binary data?

- a) `DataInputStream data = new InputStream()`  
b) `DataInputStream data = response.getInputStream()`  
c) `DataInputStream data = request.getInputStream()`  
d) `DataInputStream data = request.fetchInputStream()`

Answer: option C

12) The JDBC-ODBC bridge is



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a) Multithreaded b) Singlethreaded c) Both of the above d) None of the above

Answer: Option b

13) When using a JavaBean to get all the parameters from a form, what must the property be set to (??? in the following code) for automatic initialization? `<jsp:useBean id='fBean' class='govi.FormBean' scope='request' /><jsp:setProperty name='fBean' property='???' /><jsp:forward page='/servlet/JSP2Servlet' />`

a) \* b) all c) @ d) =

Answer: option A

14) Predict the output of following program

filename Main.java

```
class Test {
    protected int x, y;
}

class Main {
    public static void main(String args[] ) {
        Test t = new Test();
        System.out.println(t.x + " " + t.y);
    }
}
```

Answer: 0

15) public class Calculator

```
{
    int num = 100;
    public void calc(int num) { this.num = num * 10; }
    public void printNum() { System.out.println(num); }

    public static void main(String[] args)
    {
        Calculator obj = new Calculator();
    }
}
```



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```
obj.calc(2);  
obj.printNum();  
}}
```

**Options :**

A) 20    B) 100    C) 1000    D) 2

**Answer : A) 20**

16) Write a JSP program to loop through cookie and display cookie name and value

```
<%  
  
// Create cookies for first and last names.  
  
Cookie firstName = newCookie("first_name",  
request.getParameter("first_name"));  
  
Cookie lastName = newCookie("last_name",  
request.getParameter("last_name"));  
  
// Set expiry date after 24 Hrs for both the cookies.  
  
firstName.setMaxAge(60*60*24);  
  
lastName.setMaxAge(60*60*24);  
  
// Add both the cookies in the response header.  
  
response.addCookie( firstName );  
  
response.addCookie( lastName );  
  
%>  
  
<html>  
  
<head>  
  
<title>Setting Cookies</title>
```



</head>

<body>

<center>

<h1>Setting Cookies</h1>

</center>

<ul>

<li><p><b>First Name:</b>

<%= request.getParameter("first\_name")%>

</p></li>

<li><p><b>Last Name:</b>

<%= request.getParameter("last\_name")%>

</p></li>

</ul>

</body>

</html>

<html>

<body>

<form action="main.jsp" method="GET">

First Name: <input type="text" name="first\_name">

<br/>

Last Name: <input type="text" name="last\_name"/>



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```
<input type="submit" value="Submit"/>
```

```
</form>
```

```
</body>
```

```
</html>
```

17) Write a program to connect the database using the properties and all the exceptions should be handled.

```
import java.sql.*;
class MysqlCon{
public static void main(String args[]){
try{
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/sonoo","root","root");
//here sonoo is database name, root is username and password
Statement stmt=con.createStatement();
ResultSet rs=stmt.executeQuery("select * from emp");
while(rs.next())
System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3));
con.close();
}catch(Exception e){ System.out.println(e);}
}
}
```

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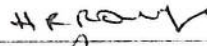









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Approved by Academic Committee Members & Guest Speaker

Sl No.	Faculty Name	Designation	Signature
1	Dr. H. R Ranganatha	HOD	
2	Prof. Prerana Chaithra	Associate Professor	
3	Prof. Ravichandra M.	Assistant Professor	
4	Prof. Gayathri R	Assistant Professor	
5	Prof. Ramya R	Assistant Professor	
6	Prof. Surya Prakash	Guest Speaker	



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**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Participant Feedback**

1. How was the overall organization of the Certification Course ?  
a) Poor   b) Satisfactory   ☒ c) Good   d) Excellent
2. How appropriate were the facilities provided ?  
a) Poor   b) Satisfactory   c) Good   ☒ d) Excellent
3. Opportunity to ask questions for clarification and interaction with presenters  
a) Poor   b) Satisfactory   c) Good   ☒ d) Excellent
4. Effectiveness of the Hands-on Sessions  
a) Poor   b) Satisfactory   ☒ c) Good   d) Excellent
5. Topic and contents of the Certification Course  
a) Poor   ☒ b) Satisfactory   c) Good   d) Excellent
6. How do you rate the Certification Course compared to other workshops that you have attended ?  
a) Poor   b) Satisfactory   c) Good   ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor   b) Satisfactory   c) Good   ☒ d) Excellent

8. Any Suggestions:

This should be continued in future also as  
it was beneficiary for all.

RISHEE RAJ  
Student Name :



Rishree Raj  
Student Signature:

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Chikkasandra, Hesaraghatta Road  
Bangalore- 560 057



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7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good ☒ d) Excellent
8. Any Suggestions:

This course was very useful

Student Name : SEEMA R



Seema R  
Student Signature:

**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Participant Feedback**

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a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good d) Excellent
8. Any Suggestions:

The course was very helpful and learn more  
about java

Student Name : Sandhu V.S



Student Signature:

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Bangalore-560057



**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Participant Feedback**

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7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good d) Excellent ✓

8. Any Suggestions:

Should be conducted for longer no of  
days

Mayank  
Student Name :

[Signature]  
Student Signature:

**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Participant Feedback**

1. How was the overall organization of the Certification Course ?  
a) Poor b) Satisfactory c) Good ☒ d) Excellent
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a) Poor b) Satisfactory ☒ c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory ☒ c) Good d) Excellent
8. Any Suggestions:

The course was great.

Student Name : Omkan. R

Student Signature: Omkan

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Bangalore- 560 057



**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**


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a) Poor b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good d) Excellent
8. Any Suggestions:

The Certification course was totally good  
It is useful

Student Name : chandana.m



Student Signature: 

**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

**Participant Feedback**

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a) Poor ☒ b) Satisfactory c) Good d) Excellent
7. Generally how was your overall experience during the Certification Course.  
a) Poor b) Satisfactory c) Good ☒ d) Excellent

8. Any Suggestions:

The course helped me in improving my programming skills  
thanks for our institute for offering such a course.

Student Name : CHETAN KUMAR



Student Signature:

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



**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**


**Participant Feedback**


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6. How do you rate the Certification Course compared to other workshops that you have attended ?  
a) Poor b) Satisfactory c) Good ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good ☒ d) Excellent

8. Any Suggestions:

The certification course is very helpful and  
it is useful for us.

Student Name : Chaitra Gajanan Bhat

Student Signature: 

  
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**5 days Certification Course on "Advance JAVA & J2EE using Eclipse"**

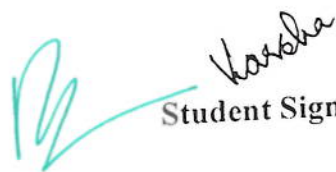
**Participant Feedback**

1. How was the overall organization of the Certification Course ?  
a) Poor b) Satisfactory c) Good ☒ d) Excellent
2. How appropriate were the facilities provided ?  
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a) Poor b) Satisfactory c) Good ☒ d) Excellent
7. Generally how was your overall experience during the Certification Course  
a) Poor b) Satisfactory c) Good ☒ d) Excellent

8. Any Suggestions:

The certification course was very helpful and  
had a very good outcome.

Student Name : Vassha V

  
Student Signature:





# Sapthagiri College of Engineering

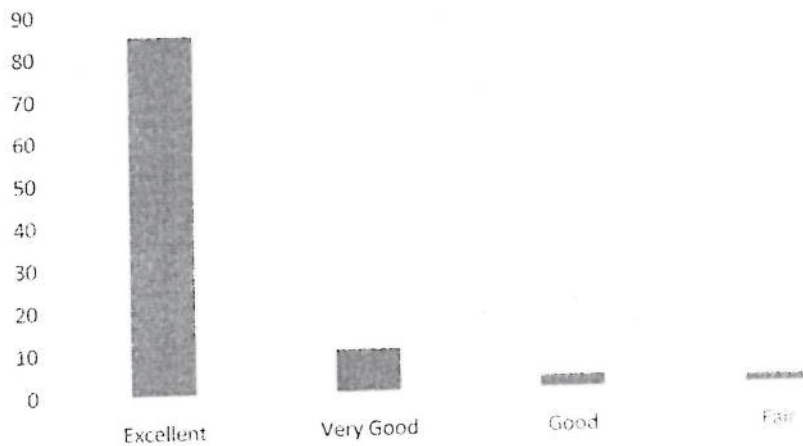
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## FEEDBACK ANALYSIS

Certification Programme: "Advanced Java & J2EE"

No. of students participated	Student Feedback			
	Excellent	Very Good	Good	Fair
120	85	10	3	2

### Feedback Report Analysis




### Action Report:

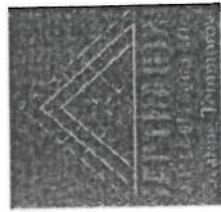
85 % of students were completely happy with the certification program and 10 % of students felt it was a good program and remaining 5 % students were satisfied with the program.

### 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.

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

H R Ranganatha  
HOD  
Dr H.R. Ranganatha  
Prof. & H.O.D  
Dept. of Information Science & Engg.  
Sapthagiri College of Engineering  
# 14/5 Chikkasandra, Hesaraghatta Main Road  
BENGALURU-560 057



# Sapthagiri College of Engineering

Bangalore-560057

## Certificate

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

This is to Certify that Mr./Ms. KARTHIK M.M.  
of IV Sem, ISE has participated  
and successfully completed Five days Certification Course on  
"Advance JAVA & J2EE using Eclipse"  
from 23 July, 2018 to 27 July, 2018 organized by the Department of  
Information Science & Engineering, Sapthagiri College of Engineering.

H.R.R.

Dr. H R Ranganatha

HOD, Dept of ISE

Dr. K.L. Shivabasappa

Principal





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## Certificate Course Report

Department of ISE conducted Certificate Course on JAVA and J2EE using Eclipse.

**GuestSpeaker:** Prof. Surya Prakash, Assistant Professor, Department of CSE, Sapthagiri College of Engineering, Bengaluru.

**Duration of the course :** was for five days from July 23rd 2019 to July 25 2019

Course detail

**Objective of the Course:** The five day course made the students to be familiar with the major concepts in JAVA which is a main platform for their career .Certificate Course became the vital step to improve the knowledge of students

Certificate course made them comfortable with the JAVA. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Faculty took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side

### Schedule of Certification Course

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.00pm)
23-7-2018 Monday	<ul style="list-style-type: none"><li>• Enumerations</li><li>• Autoboxing</li><li>• Type Wrappers</li></ul>	<ul style="list-style-type: none"><li>• Annotations</li><li>• I/O applet</li><li>• Generics examples</li></ul>	Hands on Enumerations and Autoboxing examples
24-7-2018 Tuesday	<ul style="list-style-type: none"><li>• The Collection Frame Work Introduction</li><li>• Collection Interface</li><li>• Collection Classes</li></ul>	<ul style="list-style-type: none"><li>• Working with maps</li><li>• The Map Interface</li><li>• NavigableMap</li><li>• The Map Classes</li><li>• Comparators.</li></ul>	Hands on Collections and comparators in JAVA

  
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25-7-2018 Wednesday	<ul style="list-style-type: none"> <li>String handling</li> <li>5. Special String operations</li> <li>6. String Comparisons</li> <li>7. Character Extraction</li> <li>8. String Buffer</li> </ul>	<ul style="list-style-type: none"> <li>Event Handling</li> <li>4. Delegation Event Model</li> <li>5. Event Classes</li> <li>6. Event Listener Interfaces</li> </ul>	Hands on Sting handling and Event Handling
26-7-2018 Thursday	<ul style="list-style-type: none"> <li>Introducing Swings</li> <li>Swing containers and Components</li> <li>Swing Feature</li> <li>Simple Swing Application</li> </ul>	<ul style="list-style-type: none"> <li>Exploring Swings</li> <li>Swing Buttons</li> <li>JScrollPane</li> <li>JComboBox</li> <li>Trees</li> <li>JTable .</li> <li>Jtabbed Pane</li> </ul>	Hands on Swing Programming
27-7-2018 Friday	<ul style="list-style-type: none"> <li>Introduction to Servlets.</li> <li>Servlets Life Cycle</li> <li>A Simple Servlet</li> <li>Java Servlet Packages</li> </ul>	<ul style="list-style-type: none"> <li>Applets Fundamentals</li> <li>Invoking Overloaded Constructors using applets</li> </ul>	Hands on Servlet and Applet Programming. Test Conduction

**Conclusion:** The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. They felt more expedient while delivering the lectures as the margin was erased between these students and others. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines. This Course helped the student to improve their knowledge in JAVA and J2EE.

  
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*H.R.*  
HOD

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*V.R.*

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