

Sri Srinivasa Educational & Charitable Trust
SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001:2015 & ISO 14001:2015 Certified Institute

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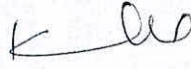


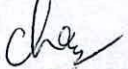


#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057


Academic Year: ODD/2021- 2022

Date: 23-09-2021

CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 24-09-2021 at 11.00AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "ADVANCED JAVA(SGCS81)".

| Sl No. | Faculty Name | Designation | Signature |
|--------|---------------------------|---------------------|---|
| 1. | Dr. KAMALAKSHI NAGANNA | HOD |  |
| 2. | Dr. GURURAJ MURTUGUDDE | Professor |  |
| 3. | Dr. PRAVEEN KUMAR | Professor |  |
| 4. | Prof. CHAITHRA | Associate Professor |  |
| 5. | Prof. MADHUSHREE | Assistant Professor |  |
| 6. | Prof. LATHA A | Assistant Professor |  |


HOD

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


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



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Academic Year: ODD/2021- 2022

Date: 23-09-2021

To,

Mr. ABHISHEK K L

Assistant Professor

M S Ramaiah Institute of Technology

Bangalore.

Respected Sir,

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

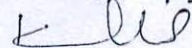
Department of Computer Science & Engineering have planned to conduct a certification program titled "ADVANCED JAVA (SGCS81)" for 5th semester students from 27-09-2021 to 01-10-2021. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

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 24-09-2021 at 11:00 AM. We look forward to welcome you at SCE.

Thanking you


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Sapthagiri College of Engineering
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Bengaluru - 560 057

Yours faithfully



HOD

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

Date: 25-09-2021

Minutes of Meeting

A meeting was conducted on 24-09-2021 in CSE HOD's Chamber to discuss and approve the syllabus & schedule of the 5 days Certification Course for V semester CSE Students.

- **Course Title:** "ADVANCED JAVA(SGCS81)".
- **Resource Personnel:** ABHISHEK K L, Bangalore.
- **Course Duration & Date:** 5 Days from 27-09-2021 to 01-10-2021.

Syllabus & Schedule of the certification program

| DATES | SESSION 1 (8:30AM TO 10:30AM) | SESSION 2 (10:50AM TO 12:50PM) | SESSION 3 (1:30PM TO 4:30PM) |
|-----------------------|--|---|---|
| 27/09/2021 MONDAY | <ul style="list-style-type: none"> • Java's magic: the Byte code; Java Development Kit (JDK); the Java Buzzwords, Object-oriented programming; Simple Java programs. Data types, variables and arrays, Operators, Control Statements. • Classes: Classes fundamentals; Declaring objects; Constructors, this keyword, garbage collection | <ul style="list-style-type: none"> • inheritance basics, using super, creating multi level hierarchy, method overriding. • Exception handling in Java.Packages.Interface s. | Hands-on demonstration and execution of example programs. |
| 28/09/2021 TUESDAY | <ul style="list-style-type: none"> • Multi Threaded Programming: Extending threads; Implementing runnable; Synchronization; | <ul style="list-style-type: none"> • Applets and Swings | Hands-on demonstration and execution of example programs. |


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| | | | |
|-------------------------|--|--|---|
| 29/09/2021 WEDNESDAY | <ul style="list-style-type: none"> Overview of Collections in Java What is Collection in Java? What is a framework in Java? What is Collection framework? | <ul style="list-style-type: none"> Hierarchy of Collection Framework The java.util package Example Programs | Hands-on demonstration on usage of different packages and execution of example programs. |
| 30/09/2021 THURSDAY | <ul style="list-style-type: none"> Collection interface <p>Methods of Collection interface</p> <ul style="list-style-type: none"> List Interface Array List Class LinkedList Class | <ul style="list-style-type: none"> Vector Class Stack Class Queue Interface Deque Interface Array Deque Class Priority Queue Class | Hands-on demonstration on collection interface and List interface Queue interface and Vector class and Deque interface and Set interface. |
| 01/10/21 FRIDAY | <ul style="list-style-type: none"> Set Interface HashSet Class LinkedHashSet Class SortedSet Interface TreeSet Class | <ul style="list-style-type: none"> Ways to iterate the elements of the collection in java are, <ol style="list-style-type: none"> 1. By Iterator interface. 2. By for-each loop. 3. By ListIterator interface. 4. By for loop. 5. By forEach() method. 6. By forEachRemaining() method. | <ul style="list-style-type: none"> Programming example on TreeSet Class and usage of iterators in program Test conduction |


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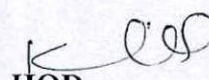
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The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

| Sl No. | Faculty Name | Designation | Signature |
|--------|---------------------------|---------------------|-----------|
| 1 | Dr. KAMALAKSHI NAGANNA | HOD | |
| 2 | Dr. GURURAJ MURTUGUDDE | Professor | |
| 3 | Dr. PRAVEEN KUMAR | Professor | |
| 4 | Prof. CHAITHRA | Associate Professor | |
| 5 | Prof. MADHUSHREE | Assistant Professor | |
| 6 | Prof. LATHA A | Assistant Professor | |
| 7 | Mr. ABHISHEK K L | Guest Speaker | |


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Professor & Head of the Department
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Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in

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

Department of Computer Science & Engineering

To,

THE PRINCIPAL

Sapthagiri College of Engineering

Bangalore - 560057.

Through

IQAC COORDINATOR

Sapthagiri College of Engineering

Bangalore - 560057.

From,

Shashi Rekha G

Assistant Professor

Department of CS&E

Sapthagiri College of Engineering

Bangalore - 560057.

Respected Sir,

Subject: Requisition to conduct certification course on "ADVANCED JAVA" for 5th Semester from 27/09/2021 to 01/10/2021.

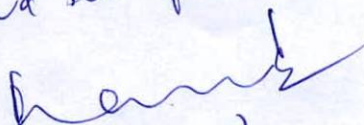
In the benefit of student welfare Department Computer Science and Engineering is Conducting certification course on "Advanced Java" for 5th Semester from 27/09/2021 to 01/10/2021. So we request you to kindly approve for the above.

Thanking you


Coordinator

Shashi Rekha G

*forwarded for approval
and certification*


(R. HARISH)


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

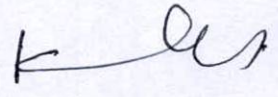
Department of Computer Science & Engineering

CIRCULAR

The department of Computer Science and Engineering is Conducting 5 days Certification Course on "ADVANCED JAVA" for 5th semester students from 27/09/2021 to 01/10/2021.

Hereby informing all 5th semester students to attend the Certification Program Compulsorily.


Coordinator


HOD

Computer Science Engineering
Sapthagiri College of Engineering
Bangalore - 57



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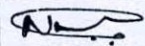
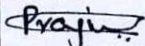

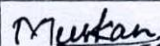
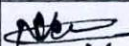
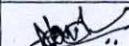
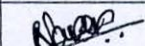
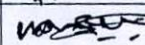
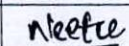

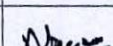




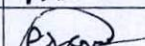

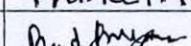
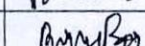
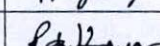
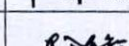
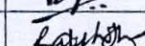
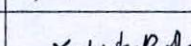
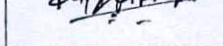
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Academic Year: ODD/2021- 2022

Student Enrolment List for Certification course on Advanced Java

| Sl. No. | USN | Name of the Student | Signature |
|---------|------------|--------------------------|---|
| 1. | 1SG18CS067 | NITHEESH B S |  |
| 2. | 1SG18CS071 | PRAJWAL P |  |
| 3. | 1SG18CS058 | MUDDEGOWDA VINAY |  |
| 4. | 1SG19CS064 | MUSKAN |  |
| 5. | 1SG19CS065 | N VENUMAADHAV |  |
| 6. | 1SG19CS066 | NAVDEEP TANWAR |  |
| 7. | 1SG19CS067 | NAVEEN KUMAR M |  |
| 8. | 1SG19CS068 | NAYANIKA SUR |  |
| 9. | 1SG19CS069 | NEETU VIJAYANANDA |  |
| 10. | 1SG19CS070 | NIDHI N SATTIGERI |  |
| 11. | 1SG19CS071 | NISARGA R K |  |
| 12. | 1SG19CS072 | PADMINI SHARMA |  |
| 13. | 1SG19CS073 | POOJA N M |  |
| 14. | 1SG19CS074 | POOJITHA G |  |
| 15. | 1SG19CS075 | PRABHAKAR |  |
| 16. | 1SG19CS076 | PRAMOD |  |
| 17. | 1SG19CS077 | PRANEET V K |  |
| 18. | 1SG19CS078 | PRANSHU PRIYAM |  |
| 19. | 1SG19CS080 | PRIYESH RAJ |  |
| 20. | 1SG19CS081 | RAHUL KUMAR |  |
| 21. | 1SG19CS082 | RAJAT YADAV |  |
| 22. | 1SG19CS083 | RAKSHITH BS |  |
| 23. | 1SG19CS084 | RAKSHITH PANCHALINGALU K |  |
| 24. | 1SG19CS085 | RITHVIK PRASHANTH |  |

Principal

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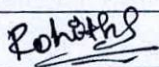
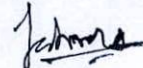
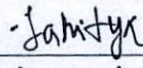
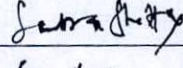
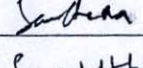
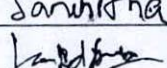
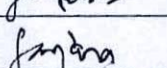
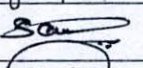
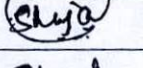
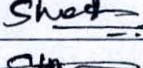
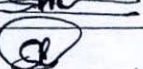
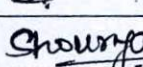
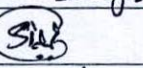
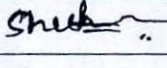
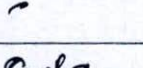
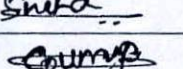
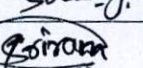
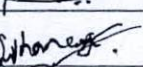

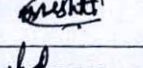

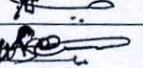



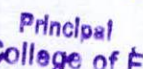
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| | | | |
|-----|------------|---------------------|---|
| 25. | ISG19CS086 | ROHITH S |  |
| 26. | ISG19CS087 | SAHANA GAJANAN NAIK |  |
| 27. | ISG19CS088 | SAHITYA MODI |  |
| 28. | ISG19CS089 | SAMBRAM SHETTY |  |
| 29. | ISG19CS090 | SANCHANA H T |  |
| 30. | ISG19CS091 | SANCHITHA K |  |
| 31. | ISG19CS092 | SANDHYA S |  |
| 32. | ISG19CS093 | SANJANA PATIL |  |
| 33. | ISG19CS094 | SANTHOSH K |  |
| 34. | ISG19CS095 | SHEJAL SINGH |  |
| 35. | ISG19CS096 | SHEKHAR |  |
| 36. | ISG19CS097 | SHIV PRASAD |  |
| 37. | ISG19CS098 | SHIVANI KUMARI |  |
| 38. | ISG19CS099 | SHOURYA RANJAN |  |
| 39. | ISG19CS100 | SHREYASI PATRA |  |
| 40. | ISG19CS101 | SHUBHAM RAJ |  |
| 41. | ISG19CS102 | SMITHA B VENUGOPAL | - |
| 42. | ISG19CS103 | SNEHA N |  |
| 43. | ISG19CS104 | SOUMYA |  |
| 44. | ISG19CS105 | SRIRAM MISHRA H K |  |
| 45. | ISG19CS106 | SRISHA NAG C S |  |
| 46. | ISG19CS107 | SRISHTI SUMAN |  |
| 47. | ISG19CS108 | SRUSHTI K S |  |
| 48. | ISG19CS109 | SUBHANSHU JHA |  |
| 49. | ISG19CS110 | SUNIL A |  |
| 50. | ISG19CS111 | SURAKSHA M S |  |
| 51. | ISG19CS112 | SUSHIL KUMAR G N |  |

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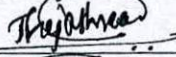
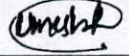


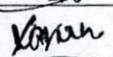
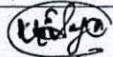

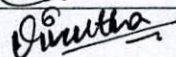
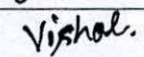
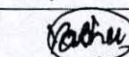
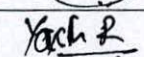
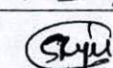
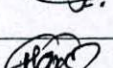
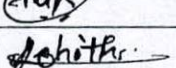

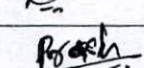
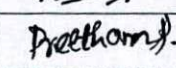
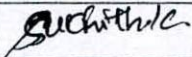
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| | | | |
|-----|-------------------|-----------------------------|---|
| 52. | ISG19CS113 | SUVIDHA MANJUNATH |  |
| 53. | ISG19CS114 | THEJASHREE B P |  |
| 54. | ISG19CS115 | THEJASHREE P |  |
| 55. | ISG19CS116 | UMESH R G |  |
| 56. | ISG19CS117 | VAISHNAVI VIJAY KULKARNI |  |
| 57. | ISG19CS118 | VANSHAJ RAJ |  |
| 58. | ISG19CS119 | VARUN S RAJU |  |
| 59. | ISG19CS120 | VIDHYA KRISHNA |  |
| 60. | ISG19CS121 | VIDYASHREE S |  |
| 61. | ISG19CS122 | VINUTHA D S |  |
| 62. | ISG19CS123 | VISHAL R |  |
| 63. | ISG19CS124 | YASHASWINI N |  |
| 64. | ISG19CS125 | YASHRAJ GUPTA |  |
| 65. | ISG19CS126 | SAJAD AHMAD RATHER |  |
| 66. | ISG20CS406 | HARSHITHA M H |  |
| 67. | ISG20CS407 | LOHITH K |  |
| 68. | ISG20CS408DI P | NANDINI N |  |
| 69. | ISG20CS409 | PRASHANTH B S |  |
| 70. | ISG20CS410 | PREETHAM P |  |
| 71. | ISG20CS411 | SUCHITH K |  |


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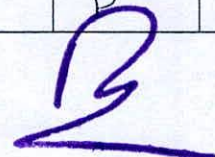
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Academic Year: ODD/2021- 2022

Attendance for Certification course on Advanced Java

| Sl. No. | USN | Name of the Student | 27/9/2021 | 28/9/2021 | 29/8/2021 | 30/8/2021 | 1/10/2021 |
|---------|------------|--------------------------|-----------|-----------|-----------|-----------|-----------|
| 1. | ISG17CS050 | MDWAJAHAT RAZA | A | A | A | A | A |
| 2. | ISG18CS019 | BHUVAN GOWDA B S | A | A | A | A | A |
| 3. | ISG18CS022 | DARSHAN S | - | P | P | P | P |
| 4. | ISG19CS001 | ABHAY SMARAN HALEMANE | P | P | P | P | - |
| 5. | ISG19CS002 | ABHIJITH YADAV L | P | P | P | P | P |
| 6. | ISG19CS003 | ABHILASH S | P | P | P | P | P |
| 7. | ISG19CS004 | ADHARSH BHANU SHARMA B S | P | P | P | P | P |
| 8. | ISG19CS005 | AMAN KUMAR | P | P | P | P | P |
| 9. | ISG19CS006 | AMOGHA NATEKAR J | - | P | P | P | P |
| 10. | ISG19CS007 | ANISH BHAT | P | P | P | P | P |
| 11. | ISG19CS008 | ANJALI G S | P | P | P | P | P |
| 12. | ISG19CS009 | ANKUR KUMAR | P | P | P | P | P |
| 13. | ISG19CS010 | ANUBHAW ANAND | P | P | P | P | P |
| 14. | ISG19CS011 | ANURAG SINGH | - | - | P | P | P |
| 15. | ISG19CS012 | ANUSHA D V | P | P | P | P | P |
| 16. | ISG19CS013 | ARHAM SABA | P | P | P | P | P |
| 17. | ISG19CS014 | ASHISH SINGH | A | A | A | A | A |
| 18. | ISG19CS015 | BHANURANJAN S BELLAKKI | P | P | P | P | P |
| 19. | ISG19CS016 | BHAVYA VAISHNAVI | P | P | P | P | P |
| 20. | ISG19CS017 | BHUMIKA M | P | P | P | P | P |
| 21. | ISG19CS018 | CHANDAN V M | P | - | P | P | P |
| 22. | ISG19CS019 | CHANDANA G | P | P | P | P | P |
| 23. | ISG19CS020 | CHANDRALA P DESHPANDE | P | P | P | - | P |
| 24. | ISG19CS021 | CHARAN S | P | P | P | - | P |
| 25. | ISG19CS022 | CETHANA R KARIGER | P | P | P | P | P |
| 26. | ISG19CS023 | CHITHRA P | P | P | P | P | P |



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| | | | | | | | |
|-----|------------|--------------------------|---|---|---|---|---|
| 52. | ISG19CS113 | SUVIDHA | P | P | P | P | P |
| 53. | ISG19CS114 | THEJASHREE B P | P | P | P | P | - |
| 54. | ISG19CS115 | THEJASHREE P | P | P | - | P | P |
| 55. | ISG19CS116 | UMESH R G | P | P | P | - | P |
| 56. | ISG19CS117 | VAISHNAVI VIJAY KULKARNI | P | P | P | P | P |
| 57. | ISG19CS118 | VANSHAJ RAJ | - | P | P | P | P |
| 58. | ISG19CS119 | VARUN S RAJU | P | P | P | - | P |
| 59. | ISG19CS120 | VIDHYA KRISHNA | P | P | P | P | P |
| 60. | ISG19CS121 | VIDYASHREE S | - | - | P | P | P |
| 61. | ISG19CS122 | VINUTHA D S | P | P | P | P | P |
| 62. | ISG19CS123 | VISHAL R | P | P | P | P | - |
| 63. | ISG19CS124 | YASHASWINI N | P | P | P | P | P |
| 64. | ISG19CS125 | YASHRAJ GUPTA | P | P | P | P | P |
| 65. | ISG19CS126 | SAJAD AHMAD RATHER | P | P | P | P | P |
| 66. | ISG20CS406 | HARSHITHA M H | P | P | P | P | P |
| 67. | ISG20CS407 | LOHITH K | P | P | P | P | P |
| 68. | ISG20CS408 | NANDINI N | P | P | P | P | P |
| 69. | ISG20CS409 | PRASHANTH B S | P | P | P | P | P |
| 70. | ISG20CS410 | PREETHAM P | P | P | P | P | P |
| 71. | ISG20CS411 | SUCHITH K | P | P | P | P | P |

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| | | | | | | | |
|-----|------------|-----------------------|---|---|---|---|---|
| 55. | ISG19CS052 | LAVANYA C | P | P | P | P | P |
| 56. | ISG19CS053 | LIKITH GOWDA A P | P | P | P | P | P |
| 57. | ISG19CS054 | LIKITH KRISHNA S G | P | P | P | - | P |
| 58. | ISG19CS055 | MANAS MISHRA | P | P | P | P | P |
| 59. | ISG19CS056 | MANASA R | P | P | P | P | P |
| 60. | ISG19CS057 | MANDHARA B G | P | P | P | P | P |
| 61. | ISG19CS058 | MANJESH B N | P | P | P | P | P |
| 62. | ISG19CS059 | MANJUNATH BHARADWAJ V | P | P | P | P | P |
| 63. | ISG19CS060 | MAYANK RAJ | P | P | - | P | P |
| 64. | ISG19CS061 | MEGHA ARUN TALEKAR | P | P | P | P | P |
| 65. | ISG19CS062 | MONISH KUMAR P | P | P | P | P | P |
| 66. | ISG19CS063 | MONISH V | P | P | P | P | P |
| 67. | ISG20CS400 | AMULYA S K | P | P | P | P | P |
| 68. | ISG20CS401 | ANNAPURNA KINI | P | P | P | P | P |
| 69. | ISG20CS402 | ANUSHA M L | P | P | P | P | P |
| 70. | ISG20CS403 | BHARATH G | | | | | |
| 71. | ISG20CS404 | CHETHAN K M | P | P | P | P | P |
| 72. | ISG20CS405 | GOWTHAM C B | P | P | P | P | P |

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Attendance for Certification course on Advanced Java

| Sl. No. | USN | Name of the Student | 27/9/2021 | 28/9/2021 | 29/9/2021 | 30/9/2021 | 1/10/2021 |
|---------|-----------------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| 1. | ISG18CS067 | NITHEESH B S | P | P | P | P | P |
| 2. | ISG18CS071 | PRAJWAL P | P | P | P | P | P |
| 3. | ISG18CS058 | MDDEGOWDA VINAY | P | P | P | P | P |
| 4. | ISG19CS064 | MUSKAN | P | P | P | - | P |
| 5. | ISG19CS065 | N VENUMAADHAV | A | A | A | A | A |
| 6. | ISG19CS066 | NAVDEEP TANWAR | A | A | A | A | A |
| 7. | ISG19CS067 | NAVEEN KUMAR M | | | | | |
| 8. | ISG19CS068 | NAYANIKA SUR | P | P | P | P | P |
| 9. | ISG19CS069 | NEETU | P | P | P | P | P |
| 10. | ISG19CS070 | NIDHI N SATTIGERI | P | P | P | P | P |
| 11. | ISG19CS071 | NISARGA R K | P | P | P | P | P |
| 12. | ISG19CS072 | PADMINI SHARMA | P | P | P | P | P |
| 13. | ISG19CS073 | POOJA N M | P | P | P | P | P |
| 14. | ISG19CS074 | POOJITHA G | P | P | P | P | P |
| 15. | ISG19CS075 | PRABHAKAR | P | P | P | P | P |
| 16. | ISG19CS076 | PRAMOD | P | P | P | P | - |
| 17. | ISG19CS077 | PRANEET V K | P | P | P | P | P |
| 18. | ISG19CS078 | PRANSHU PRIYAM | P | - | P | P | P |
| 19. | ISG19CS080 | PRIYESH RAJ | - | P | P | P | P |
| 20. | ISG19CS081 | RAHUL KUMAR | P | P | P | P | P |
| 21. | ISG19CS082 | RAJAT YADAV | | | | | |
| 22. | ISG19CS083 | RAKSHITH BS | P | P | P | P | P |
| 23. | ISG19CS084 | RAKSHITH K PANCHALINGALU | P | P | P | P | P |
| 24. | ISG19CS085 | RITHVIK | P | P | P | P | P |

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| | | | | | | | |
|-----|------------|-----------------------|---|---|---|---|---|
| 27. | ISG19CS024 | DEEKSHITH B V | P | P | P | P | P |
| 28. | ISG19CS025 | DEEKSHITH G D | P | P | P | P | P |
| 29. | ISG19CS026 | DEEPAK RAJ | P | P | P | P | P |
| 30. | ISG19CS027 | DEEPTHI B S | P | P | P | P | P |
| 31. | ISG19CS028 | DHANYA M SHETTY | P | - | P | P | P |
| 32. | ISG19CS029 | DIKSHA BHARDWAJ | P | P | P | P | P |
| 33. | ISG19CS030 | ETUKULAPATI MEGHANA | P | P | P | P | - |
| 34. | ISG19CS031 | HARSHA H J | - | P | P | P | - |
| 35. | ISG19CS032 | HARSHINI GIRISH MITRA | P | P | P | P | - |
| 36. | ISG19CS033 | HARSHITHA S | P | P | P | P | P |
| 37. | ISG19CS034 | HARSHITHA S | P | P | P | P | P |
| 38. | ISG19CS035 | HARSHITHA V | P | P | P | P | P |
| 39. | ISG19CS036 | HITESH B S | P | P | P | P | P |
| 40. | ISG19CS037 | IIFA SHARIF | P | P | P | P | P |
| 41. | ISG19CS038 | JAYANTH N | P | P | P | - | P |
| 42. | ISG19CS039 | JYOTHI B | P | P | P | P | P |
| 43. | ISG19CS040 | K G LAKSHMI NARAYAN | P | P | P | P | P |
| 44. | ISG19CS041 | K N BHAVYA | P | P | P | P | P |
| 45. | ISG19CS042 | KAJAL DAHIYA | P | P | P | P | P |
| 46. | ISG19CS043 | KAMINENI PRAVALIKA | P | P | P | P | P |
| 47. | ISG19CS044 | KARAN RAJ | P | P | P | P | P |
| 48. | ISG19CS045 | KARTHIK K | P | P | P | P | P |
| 49. | ISG19CS046 | KAVYA P | P | P | P | P | P |
| 50. | ISG19CS047 | KESHAV CHANDRA RAY | P | P | P | P | P |
| 51. | ISG19CS048 | KISHOR JAKKALI | A | A | A | A | A |
| 52. | ISG19CS049 | KOKILA N | P | P | P | P | P |
| 53. | ISG19CS050 | KSHITIJ KUMAR | A | A | A | A | A |
| 54. | ISG19CS051 | KUMAR SWAPNIL | P | - | P | - | P |


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| | | | | | | | |
|-----|------------|------------------------|---|---|---|---|---|
| 25. | ISG19CS086 | ROHITH S | P | P | P | P | P |
| 26. | ISG19CS087 | SAHANA GAJANAN NAIK | P | P | P | P | P |
| 27. | ISG19CS088 | SAHITYA MODI | P | P | P | P | - |
| 28. | ISG19CS089 | SAMBRAM SHETTY | P | P | P | P | P |
| 29. | ISG19CS090 | SANCHANA H T | P | P | P | - | P |
| 30. | ISG19CS091 | SANCHITHA K | P | P | P | P | P |
| 1. | ISG19CS092 | SANDHYA S | P | P | P | P | P |
| 32. | ISG19CS093 | SANJANA PATIL | P | P | P | P | P |
| 33. | ISG19CS094 | SANTHOSH K | P | - | P | P | P |
| 34. | ISG19CS095 | SHEJAL SINGH | P | P | P | P | P |
| 35. | ISG19CS096 | SHEKHAR | P | P | P | - | P |
| 36. | ISG19CS097 | SHIV PRASAD | P | P | P | P | P |
| 37. | ISG19CS098 | SHIVANI KUMARI | P | P | P | - | P |
| 38. | ISG19CS099 | SHOURYA RANJAN | P | P | P | P | P |
| 39. | ISG19CS100 | SHREYASI PATRA | P | P | P | P | P |
| 40. | ISG19CS101 | SHUBHAM RAJ | P | - | P | P | P |
| 41. | ISG19CS102 | SMITHA B | P | P | P | P | P |
| 42. | ISG19CS103 | SNEHA N | P | P | P | P | P |
| 43. | ISG19CS104 | SOUMYA | P | P | P | P | P |
| 44. | ISG19CS105 | SRIRAM MISHRA H K | P | P | P | P | P |
| 45. | ISG19CS106 | SRISHA NAG C S | P | - | P | P | - |
| 46. | ISG19CS107 | SRISHTI SUMAN | P | P | P | P | P |
| 47. | ISG19CS108 | SRUSHTI K S | P | P | P | P | P |
| 48. | ISG19CS109 | SUBHANSHU JHA | P | P | P | P | P |
| 49. | ISG19CS110 | SUNIL A | P | P | P | P | P |
| 50. | ISG19CS111 | SURAKSHA M S | P | P | P | P | P |
| 51. | ISG19CS112 | SUSHIL KUMAR G N | P | P | P | P | P |



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Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in

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

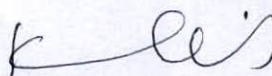
Department of Computer Science & Engineering

5 days Certification Course on "ADVANCED JAVA"

TEST TIME TABLE

| SL.NO | DATE / DAY | TIMINGS |
|-------|----------------------|------------------|
| 1 | 01/10/2021 Friday | 3:00 PM - 4:00PM |


Coordinator


HOD

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


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

QUESTION PAPER

1. Can we have two public classes in one java file?

- A) True
- B) False

2. Which of the following is true about public access modifier?

- A. Variables, methods and constructors which are declared public can be accessed by any class.
- B. Variables, methods and constructors which are declared public can be accessed by any class lying in same package.
- C. Variables, methods and constructors which are declared public in the superclass can be accessed only by its child class.
- D. None of the above.

3. What is local variable?

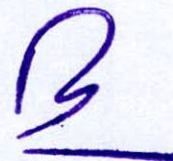
- A. Variables defined inside methods, constructors or blocks are called local variables.
- B. Static variables defined outside methods, constructors or blocks are called local variables.
- C. All the above
- D. None of the above.

4. When static binding occurs?

- A. Static binding occurs during runtime.
- B. Static binding occurs during load time.
- C. Static binding occurs during Compile time.
- D. None of the above.

5. What is Deserialization?

- A. Serialization is the process of restoring state of an object from an object.
- B. Deserialization is the process of restoring state from an object from a byte stream
- C. Both of the above.
- D. None of the above.



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6. Which of the following is a thread safe?

- A. String Builder
- B. Both of the above
- C. StringBuffer
- D. None of above

7. Which element is used to specify useful information about an initialization parameter of a servlet in the deployment descriptor?

- A. Description
- B. Param-info
- C. Init-param-info
- D. Param-description
- E. Info

8. Which element is used to specify useful information about an initialization parameter of a servlet in the deployment descriptor?

- A. `PrintWriter out = response.getOutputStream();`
- B. `ServletOutputStream out = response.getServletOutputStream();`
- C. `PrintWriter out = response.getServletOutput();`
- D. `OutputStream out = response.getOutputStream();`
- E. `PrintWriter out = response.getWriter();`

9. Which design pattern allows you to decouple the business logic, data representation, and data presentation? (Select one)

- A. Bimodal Data Access
- B. Business Delegate
- C. Value Object
- D. Model-View-Controller

10. Consider the following `doPost()` method of a servlet: `public void doPost (HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { System.out.println("Inside doPost"); PrintWriter out = response.getWriter(); out.println("Hello, "); String name = getNameFromDBSomeHow(); if(name == null) { response.sendError(HttpServletResponse.SC_NOT_FOUND, "Unable to get name."); } out.println(name); }` Assuming that `getNameFromDBSomeHow()` returns null, which of the following statements regarding this code are correct?

- A. It will throw an `InvalidStateException` while serving a request.
- B. It will throw an `IllegalStateException` while serving a request.
- C. It will not throw an exception.
- D. It will throw a `ServletException` while serving a request.
- E. It will throw a `NullPointerException` while serving a request.

SCHEME

1. Answer: Option B
2. Answer: Option A
3. Answer: Option A
4. Answer: Option C
5. Answer: Option B
6. Answer: Option C
7. Answer: Option A
8. Answer: Option D
9. Answer: Option D
10. Answer: Option B



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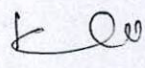
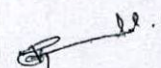
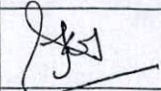
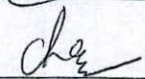
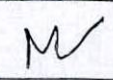
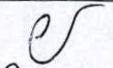
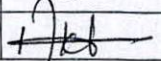
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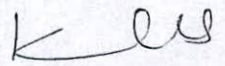
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Academic Year: ODD/2021- 2022

Approved by Academic Committee Members & Guest Speaker

| Sl No. | Faculty Name | Designation | Signature |
|--------|---------------------------|---------------------|---|
| 1. | Dr. KAMALAKSHI NAGANNA | HOD |  |
| 2. | Dr. GURURAJ MURTUGUDDE | Professor |  |
| 3. | Dr. PRAVEEN KUMAR KV | Professor |  |
| 4. | Prof. CHAITHRA | Associate Professor |  |
| 5. | Prof. MADHUSHREE | Assistant Professor |  |
| 6. | Prof. LATHA A | Assistant Professor |  |
| 7. | Mr. ABHISHEK K L | Guest Speaker |  |


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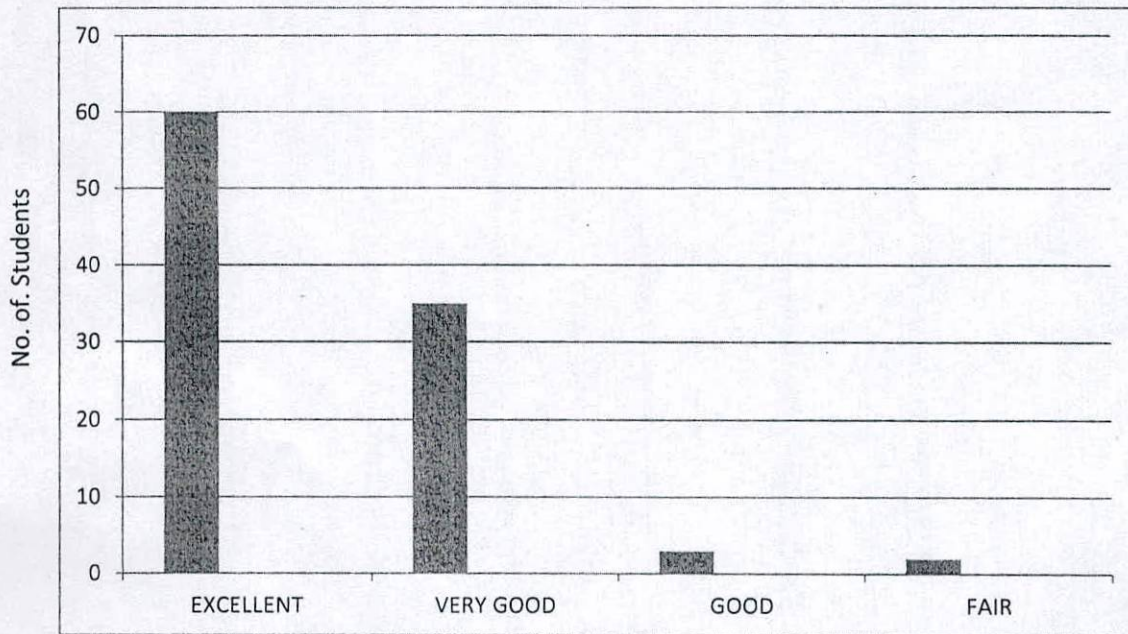
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Department of Computer Science & Engineering

FEEDBACK ANALYSIS

Certification Programme: "ADVANCE JAVA (SGCS81)"

| No. of students | Student Feedback | | | |
|-----------------|------------------|-----------|------|------|
| | Excellent | Very Good | Good | Fair |
| 100 | 60 | 35 | 3 | 2 |



Action Report:

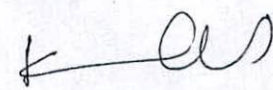
60% of students were completely happy with the certification program, 35% of students felt it was a very good program, 3% of students felt it was a good program and remaining 2% students were satisfied with the program.

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.


Coordinator


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HOD



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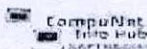
CERTIFICATION COURSE ON

"ADVANCED JAVA"

Organized by Department of Computer Science & Engineering

in Association with
COMPUTER SOCIETY OF INDIA
STUDENT BRANCH

Date: 27-09-2021 TO 01-10-2021



Chief Patrons

Sri. G. Dayanand

Chairman, SCE

Sri. G. D. Manoj

Executive Director, SCE

Staff Coordinators:
Prof. Shashi Rekha G
Prof. Prakaruthi C
Assistant Professors, CSE

Dr. Kamalakshi Naganna
HOD, CSE

Dr. H Ramakrishna
Principal

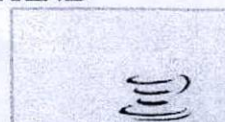
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DEPARTMENT OF COMPUTER SCIENCE AND
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PARTICIPATION CERTIFICATE

This is to Certify that _____
has Participated in certification course in "ADVANCED
JAVA", organized by Department of Computer Science and
Engineering, Sapthagiri College of Engineering, Bengaluru
from 27th September to 1st October 2021.

CO-ORDINATORS
Prof. SHASHI REKHA G
Prof. PRAKRUTHI C
ASSISTANT PROFESSORS, CSE

Dr. Kamalakshi Naganna
HOD, CSE

Dr. H Ramakrishna
PRINCIPAL, SCE

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
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Report on “Certification Course on Advanced Java”

The Department of Computer Science & Engineering organized Certification Course on Advanced Java from 27/09/2021 to 01/10/2021 for fifth semester students of CSE dept. The students participated in the event.

- ✦ **Objective of the Certification Course on Advanced Java:** The objective of the course was to enhance knowledge in Java programming as per industry standards.
- ✦ To evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the requirements of Industries.
- ✦ The main purpose of this event was to help the students to provide knowledge about Advanced Java as per the industries requirement. This event motivated students to know the industries standards to prepare for placement process.
- ✦ **Title of the event:** “Certification Course on Advanced Java”
- ✦ **Date:** 27/10/2021 to 01/10/2021
- ✦ A 5-day program for 30 hours was planned, for students. Our in-house faculties trained all the students of fifth semester

Day-1

The session was started with the welcome speech by Prof. Prakruthi C followed by invocation song, sung by Prof. Prakruthi. Dr Ramakrishna H, Principal Inaugurated and addressed the gathering.

Dr Kamalakshi Naganna, HOD gave the introduction to Certification Course to students.

The First session was from 8.30 to 10.30 am on **Java’s magic** followed by Second session on **inheritance** from 10.50 to 12.50 noon. The Afternoon session was from 1.30- 04.30 pm Hands on session for the topics discussed in the forenoon.



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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057, Karnataka, India.

Department of Computer Science & Engineering

Academic Year: 2021- 2022

Day-2

The First session was from 8.30 to 10.30 am on **Multi Threaded Programming** followed by Second session on **Applets and Swings** from 10.50 to 12.50 noon. The Afternoon session was from 1.30- 04.30 pm Hands on session for the topics discussed in the forenoon.

Day-3

The First session was from 8.30 to 10.30 am on **Collection framework** followed by Second session on **Collection framework** from 10.50 to 12.50 noon. The Afternoon session was from 1.30- 04.30 pm Hands on session for the topics discussed in the forenoon.

Day-4

The First session was from 8.30 to 10.30 am on **Collection Interface** followed by Second session on **Collection Interface** from 10.50 to 12.50 noon. The Afternoon session was from 1.30- 04.30 pm Hands on session for the topics discussed in the forenoon.

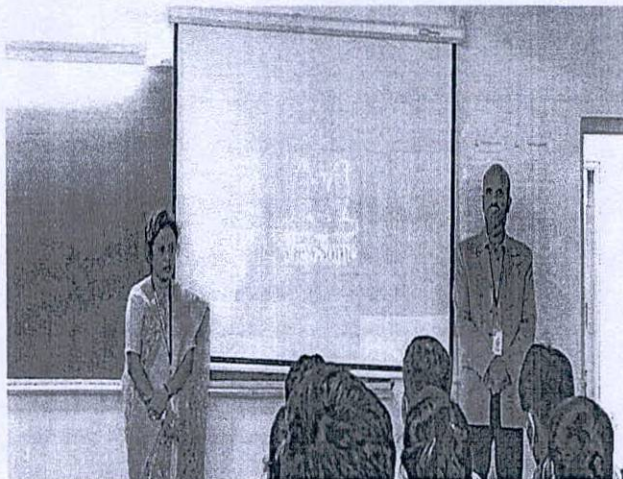
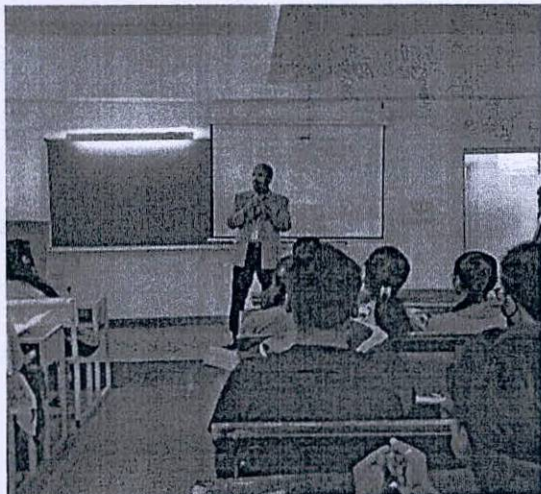
Day-5

The First session was from 8.30 to 10.30 am on **Collections in Java** followed by Second session on **Collections in Java** from 10.50 to 12.50 noon. The Afternoon session was from 1.30- 03.00 pm Hands on session for the topics discussed in the forenoon. Test conduction from 3.00 to 4:00 pm The Program ended with a valedictory function from 4.00-4.30 pm

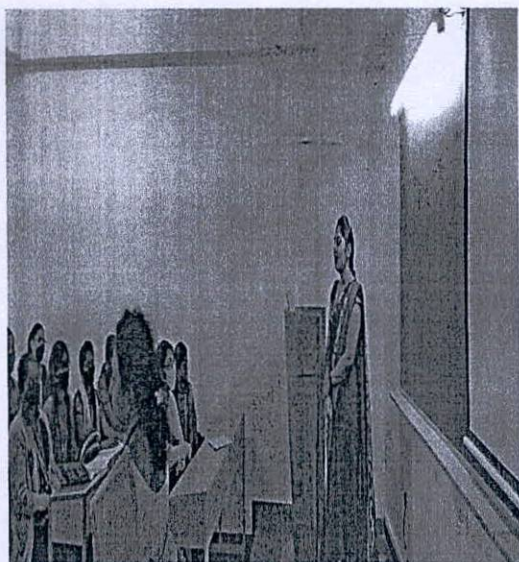
Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
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Screenshot of the CC



Principal and HOD addressing the gathering



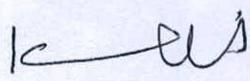
Invocation Song by Prof. Prakruthi C



Lecturing on Classes and Inheritance

| PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 3 | 2 | 3 | 3 | 1 | 3 | | 1 | 3 | 3 | 2 | 3 |


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