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



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

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 - | CSE | |
| Name of the Student | Annual Christians | 3 |
| USN | (XA18(S00) | |

Rate the curriculum/syllabus on the following Points

| SL NO | Statements | Excellent | Very good | Good | Average | Below Average |
|----------|---|-----------|--------------|---------|----------------|--|
| 110 | | 5 | 4 | . 3 | 2 | 1 |
| 1 | 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? | | | 1 | | |
| 3 | Relevance for implementation in projects | • . | | | × | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| 4 | How do you rate the electives offered in relation to the technological advancements? | | | | | |
| 5 | How do rate the evaluation scheme designed for each of the course? | | | | | |
| 6 | How do you rate the percentage of courses having LAB components? | | | | | e f |
| 7 | Curriculum is sufficient to make you analyze the engineering problems and its suitable solution | | | . ~ | , ⁶ | - 92 · · · |
| 8 | Suggestions (if any) | Depth | kn | owled | ge if | 1 0 |



Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057 sri srinivasa educational & CHARITABLE TRUST (R) Sapthagiri College of Engineering



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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 | CSE |
| Name of the Faculty | muredha B |
| Designation | psst-projeesoe |
| Subject/Sub. Code | Ceyptogeoply & Nebrosk Security. |

Dalas

Rate the curriculum/syllabus on the following Points

| SL | Statements | Excellent | Very good | Good | Average | Below Average |
|----|--|--------------|--------------|------|---------|------------------|
| NO | Statements | 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? | | | 2 B4 | | |
| 3 | Is the timely coverage of curriculum possible in the mentioned number of hours? | | | 1 | 1 | |
| 4 | Suffcient reference material and books are available for the topics mentioned in the curriculum? | \checkmark | | | | |
| 5 | The evaluation methods mentioned in the curriculum are sufficient for providing proper assessment? | V. | | | 4 | |
| 6 | Curriculum is suitable to the course | | | | | |
| 7 | The curriculum/course of this subject increased my knowledge and perspective in the subject area | 1 | | | | |

Suggestions: Dept lennvledge og database in requir

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Signature



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

COMPUTER SCIENCE AND ENGINEERING

Date: 28-11-2018

To,

THE IQAC Coordinator Sapthagiri College of Engineering Bangalore - 560057.

Respected Sir,

Subject: Budget Proposal for conduction of certification program on "BIG DATA (SGCS62)"

The Budget Proposal for conduction a certification program on "BIG DATA (SGCS62)" from 21-01-2019 to 25-01-2019 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 | Certificates | Students | 2000 |
| 3 | Others | | 1000 |
| - | Tòt | al | 3200 |

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

COMPUTER SCIENCE AND ENGINEERING

Date: 12-11-2018

CIRCULAR

This is to inform that the following Academic Committee members are requested to attend the meeting on 14/11/2018 at 10.30AM in the HODs chamber to decide the syllabus and the lesson plan for the certification program on "BIG DATA (SGCS62)".

| SI No. | Faculty Name | Designation | Signature |
|-----------|-----------------------------|---------------------|-----------|
| 1. | Prof. KAMALAKSHI NAGANNA | HOD | K lés |
| 2. | Prof. MADHUSHREE | Assistant Professor | M |
| 3. | Prof. LATHA A | Assistant Professor | A |
| 4. | Prof. NANDA M B | Assistant Professor | Mandee |
| 5. | Prof. VEENA K R | Assistant Professor | lette |

Principal

Sapthagiri College of Englisherin, Chikkasandra, Hesarsgnatta Road, Bangalore- 560 057

For HOD

Provident & Made of the Dopartment Computer Science Engineering Computer Science of Engineering



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

COMPUTER SCIENCE AND ENGINEERING

Date: 12-11-2018

To,

Mrs. HEMALATHA K L, HOD, DEPARTMENT OF ISE, SKIT, Bangalore.

Respected Madam,

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 "BIG DATA (SGCS62)" for 6th semester students from 21-01-2019 to 25-01-2019. 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 14/11/2018 at 10.30AM. We look forward to welcome you at SCE.

Thanking you

Yours faithfully

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

let ₩ VHOD

Protessor & Head of the Department Computer Science Engineering College of Engineering



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

COMPUTER SCIENCE AND ENGINEERING

14-11-2018

Minutes of Meeting

A meeting was conducted on 14-11-2018 in CSE HOD's Chamber to discuss and approve the syllabus & schedule of the 5 days Certification Course for VI semester CSE Students.

- Course Title: "BIG DATA (SGCS62)". •
- Resource Person: HEMALATHA K L, HOD DEPT OF ISE, SKIT, Bangalore.
- Course Duration & Date: 5 Days from 21-01-2019 to 25-01-2019.

Syllabus & Schedule of the certification program

| DATES | SESSION 1 | SESSION 2 | SESSION 3 |
|-----------------------|---|---|--------------------|
| | (8:30AM TO 10:30AM) | (11:00AM TO 12:30PM) | (1:30PM TO 4:00PM) |
| 21/01/19 MONDAY | Big Data introduction -Big data: definition and taxonomy -Big data value for the enterprise | -Setting up the demo environment - First steps with the Hadoop "ecosystem" | Hands on session |
| 22/1/19 TUESDAY | The Hadoop ecosystem -Introduction to Hadoop - Hadoop components: MapReduce/Pig/Hive/HBase | -Loading data into Hadoop - Handling files in Hadoop - Getting data from Hadoop | Hands on session |
| 23/01/19 WEDNESDAY | Querying big data with Hive -Introduction to the SQL Language - From SQL to HiveQL | Introduction to HIVE e HIVEQL Using Hive to query Hadoon files | Hands on session |
| 24/01/19 THURSDAY | Big data & Machine learning - Quick into to Machine learning - Big Data & Machine Learning | Machine learning tools -Spark & SparkML -H2O | Hands on session |
| 25/01/19 FRIDAY | -Big Data & Machine Learning (continued) - Next steps in the big data world | Hands on session | TEST |

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COMPUTER SCIENCE AND ENGINEERING

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

| SI No. | Faculty Name | Designation | Signature |
|--------|-----------------------------|---------------------|-------------|
| 1 | Prof. KAMALAKSHI NAGANNA | HOD | Klei |
| 2 | Prof. MADHUSHREE | Assistant Professor | (N) |
| .3 | Prof. LATHA A | Assistant Professor | A |
| 4 | Prof. NANDA M B | Assistant Professor | Mandre |
| 5 | Prof. VEENA K R | Assistant Professor | less. |
| 6 | Mrs. HEMALATHA K L | Guest Speaker | Kil Henralt |

Principal

Sapthagiri Collage of Engineering Chikkasandra, Hesaraghatla Road, Bangalore- 560 057

FOR HOD

Professor & Head of the Depar Computer Science / lines Sapthagiri College of Enginee Bangalore-57

SAPTHAGIRI COLLEGE OF ENGINEERING (Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057. Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in Phone:080-28 372800/1/2 Fax: 080-28 372797 College of Engineering **Department of Computer Science & Engineering** Creating Tomorrow

CIRCULAR

The department of Computer Science and Engineering is Conducting 5 days Certification Course on "BIG DATA (SGCS62)" for 6th semester students from 21st Jan 2019 to 25th Jan 2019.

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

CO-ORDINATOR

SAPT

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

HO

Protessor & Head of the Departme Computer Bolance Engineeri Sacihagini College of Engineerin Mannalnen-57



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Department of Computer Science & Engineering

STUDENTS ENROLLED IN 5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)" 2018-19

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Department of Computer Science & Engineering

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| 26. | 1SG16CS026 | DARSHAN P | Elaystian |
| 27. | 1SG16CS027 | DEEPTI DNYANESHWAR GUNJAL | Keypti- |
| 28. | 1SG16CS028 | DEVANSHU SINGH | & ONAN STAD |
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| 48. | 1SG15CS096 | SAURAJEET BANARJEE | Baurancet |
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| 50. | 1SG16CS043 | KARTHIK L | Karthick |
| 51. | 1SG16CS044 | KAUTILYA K BHAT | -) Lawtuly on S |
| 52. | 1SG16CS045 | KEERTHANA G | Leverthing G |
| 53. | 1SG16CS046 | KESHAV PRASAD C | Kether P.C. |
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| 55. | 1SG16CS048 | KUMAR ABHIJEET | Kuman Ablu ject |
| 56. | 1SG16CS049 | KUMARESH PRAKASH MADIWALAR | Kurt |
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| 58. | 1SG16CS051 | LIKHITHA R | hikhitting R |
| 59. | 1SG16CS052 | LOKESH KUMAR N | Lohard annavi |
| 60. | 1SG16CS053 | MADHURA K | Madhu |
| 61. | 1SG16CS054 | MAHERA ALAM | Malune |
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| 63. | 1SG16CS056 | MANJUNATH S | Manjunath S. |
| 64. | 1SG16CS057 | MANOJR | Marcin |
| 65. | 1SG16CS058 | MEDHA MANSI | Medhe- |
| 66. | 1SG16CS059 | MONICA M | Monicani |
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| 69. | 1SG16CS062 | NIHARIKA.S | Nicharites S |
| 70. | 1SG16CS067 | PAVITHRA.S | Parithona. E. |
| 71. | 1SG16CS068 | PAYAL | Paryal |
| 72. | 1SG16CS069 | POOJAVASANGIHAL | Prejavapangiha |

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| 81. | 1SG16CS080 | RAJEEV SRINIVAS | Brew . S |
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| 83. | 1SG16CS082 | RAKSHITHA G | Rockheth 9 |
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| 85. | 1SG16CS126 | NITIN MUNDHARA | Diffin klundhar |
| 86. | 1SG16CS128 | SUNNY KUMAR SHARMA | Sunny filmer |
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| 95. | 1SG16CS085 | RASHMI SURYA | Rashni S.P. |
| 96. | 1SG16CS087 | RIBANSHU KESHRI | Kyphin Kilanih |
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| 99. | 1SG16CS090 | SACHINKUMAR S | Carbon . |
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| 100. | 1SG16CS091 | SALIL SANKRITYA | Dechi L |
| 101. | 1SG16CS093 | SANJAY KUMAR A N | Banjay |
| 102. | 1SG16CS094 | SANTOSH JUNTPALLY | Santosh Jurtpally |
| 103. | 1SG16CS095 | SAURABH DOKANIYA | Sauces bit. Dekanger |
| 104. | 1SG16CS096 | SAURAV SIROHI | hours |
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| 106. | 1SG16CS099 | SHASHANK SHEKAR | Shaphe which i have. |
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| 113. | 1SG16CS106 | SUJITH К М | Guyith K. M. |
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Department of Computer Science & Engineering

| 125. | 1SG16CS118 | UVAIZ K H | 11103 |
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| 126. | 1SG16CS119 | VATSALA PARMAR | Vatsala |
| 127. | 1SG16CS120 | VIJAYA KUMAR S H | L'Ukeye 7 |
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| 136. | 1SG17CS415 | SHREELAKSHMI M M | Linechabeshing |
| 137. | 1SG17CS416 | SOMASHEKAR S B | Semaih: RaisB |

Les Co-ordinator

Principal Sapthagiri College of Engineering

14/5, Chikkasandra, Heseraghatta Main Road Bongaluru - 550 057

HOD

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



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Department of Computer Science & Engineering

5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

ATTENDANCE

| Sl. No. | USN | Name | 21/1/ | /18 | 22/1 | /18 | 23/1 | /18 | 24/1. | /18 | 25/1 | /18 | Test |
|---------|------------|------------------------|-------|-----|------|------|------|-----|-------|-----|----------------|-----|----------------|
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| 2. | 1SG16CS001 | ABHINETRA KUMAR | P | P | P | P | P | P | P | P | P | P | P |
| 3. | 1SG16CS002 | ABHINAV ANAND | P | P | P | P | P | P | Þ | P | P | p | P |
| 4. | 1SG16CS003 | ADARSH R M | P | P | P | P | P | P | P | P | P | P | P |
| 5. | 1SG16CS004 | ADITYA DEEP | P | P | P | P | P | 12 | P | f | P | P | Р |
| 6. | 1SG16CS005 | AISHWARYA S | P | P | P | P | P | P | P | P | l ^D | P | P |
| 7. | 1SG16CS006 | AKASH KUMAR JAISWAL | P | P | P | P | P | P | P | P | P | P | P |
| 8. | 1SG16CS007 | AMIR ALI RANGWALA | P | P | р | P | P | P | P | P | P | P | P |
| 9. | 1SG16CS008 | AMUL L. KATHRE | P | P | P | P | P | P | P | P | P | P | P |
| 10. | 1SG16CS009 | ANAGHA R | P | P | 9 | P | P | P | P | P | P | P | P |
| 11. | 1SG16CS010 | ANANYA R | P | P | P | P | P | P | P | P | P | P | P |
| 12. | 1SG16CS011 | ANJANA R | P | P | P | P | P | P | p | P | P | p | P |
| 13. | 1SG16CS012 | ANKIT KUMAR | À | P | P | P | p | P | P | P | P | P | P |
| 14. | 1SG16CS013 | ARPITHA B Y | P | P | P | P | p | P | P | P | P | P | P |
| 15. | 1SG16CS015 | ASHISH GOUROJI | P | P | P | F | > P | 0 |) p | P | 'P | Þ | P |
| 16. | 1SG16CS016 | ASHWIN RAMESH P | P | P | P | • \$ | > p | P | P | P | P | P | P |
| 17. | 1SG16CS017 | ASHWINI S | P | P | ° P | P | ° P | P | P | P | P | p | р |
| 18. | 1SG16CS018 | BALAJI JANARDHAN | P | P | P | Ŷ | P | F | P P | p p | PF | , P | r p |
| 19. | 1SG16CS019 | BHARATH G N | P | F |) P | > f | 'P | P | P | ¥ | > F | P | P |

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| 20. | 1SG16CS020 | BINDHU M V | P | P | P | P | P | P | P | Ρ | P | P | P |
| 21. | 1SG16CS021 | BINDUSHREE G L | P | P | Ρ | P | P | P | P | P | P | P | ſ |
| . 22. | 1SG16CS022 | CHAITANYA ANAND | P | P | p | P | P | P | P | P | P | P | P |
| 23. | 1SG16CS023 | CHAITRA V | P | p | P | P | ·p | P | P | P | P | P | P |
| 24. | 1SG16CS024 | CHATHURYA KANDIRAJU | Þ | P | P | P | P | p | P | P | P | P | þ |
| 25. | 1SG16CS025 | CHITRA G | g. | p | P | P. | P | p | P | p | p | p | þ |
| 26. | 1SG16CS026 | DARSHAN P | ₽ | p | ·p | P | P | p | P | P | P | P | P |
| 27. | 1SG16CS027 | DEEPTI DNYANESHWAR GUNJAL | p | P | p | P | P | p | P | p | þ | P | P |
| 28. | 1SG16CS028 | DEVANSHU SINGH | P | p | P | P | P | P | P | P | Р | p | р |
| 29. | 1SG16CS029 | DIVIJ N | P | p | P | p | p | P | P | P | p | P | P |
| 30. | 1SG16CS030 | DIVYA | P | P | P | P | p | P | P | p | P | p | p |
| 31. | 1SG16CS032 | GOGI REDDY SIVASANKAR REDDY | Р | P | P | P | P | P | P | P | P | P | P |
| 32. | 1SG16CS034 | HARISH BABU A | P | P | P | p | p | P | p | P | P | P | P |
| 33. | 1SG16CS035 | HARISHA N | P | P | p | P | p | P | P | P | P | p | P |
| 34. | 1SG16CS036 | HARSHITA P – 1 | P | P | P | p | ρ | p | p | P | P | P | p |
| 35. | 1SG16CS038 | HARSHITHA P - 2 | P | P | Þ | P | p | P | P | p | P | P | P |
| 36. | 1SG16CS039 | JAI VENKATA SAI SRIRAM BATCHU | P | P | P. | P | P | P | P | , P | P | P | P |
| 37. | 1SG16CS040 | JAYANTH G | .p | P | P | p | P | P | P | р | P | P | p |
| 38. | 1SG16CS041 | JAYANTH K N | p | p | p | P | P | P | P | P | P | p | P |
| 39. | 1SG16CS125 | RANJITA GANAPATI HEGDE | P | p | p | P | P | P | P | P | P | P | p |
| 40. | 1SG16CS127 | VIBHA M S | PI | P | P | P | P | P | P | P | P | P | P |



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| 44. | 1SG17CS40 | 3 BHAVYA V | | P | | _ | r p | P | P | P | | P | P | P | + |
| 45. | 1SG17CS404 | 4 CHETHAN KUMAR | G | p | f | | | 1 | 1 | + | P | P | P | P | + |
| 46. | 1SG17CS40 | 5 DARSHAN V D | 1 | P | 1 | | | 1 | 1 | 1 | P | P | P | P | P |
| 47. | 1SG15CS016 | ΒΗΑνγά κ μ | | P | F | | | r P | p | 0 | | P | P | P | P |
| 48. | 1SG15CS096 | SAURAJEET | | A | T | + | | | - | | | P | <u>P</u> | P | P |
| 49. | 1SG16CS042 | BANARJEE JEEVAN B K | | | 1 | | 1 | + | | | | P | P | P | P |
| 50. | 1SG16CS043 | KARTHIK L | _ | <u>P</u> | P | + | - | 2 1 | | P f | 1 | > | P | P | P |
| 51. | 1SG16CS044 | KAUTILYA K BHAT | | P P | P | + | -+ ' | | + | | | | | P | P |
| 52. | 1SG16CS045 | KEERTHANA G | 1 | r P | P | P | +' | | + | F F | _ <u> </u> - | | 2 | P. | P |
| 53. | 1SG16CS046 | KESHAV PRASAD C | | P | P | P | + | -11 | +- | PP | + | | | P | P |
| 54. | 1SG16CS047 | KIRAN M | - | P | P | P | - | +- | | | $+\Gamma$ | | | P | P |
| 55. | 1SG16CS048 | KUMAR ABHIJEET | | 2 | P | P | | | | | 1 | + | - | P | P |
| 56. | 1SG16CS049 | KUMARESH PRAKASH MADIWALAR | 1 | | P | P | P | P | P | Y | P | P | | P | P P |
| 57. | 1SG16CS050 | LAXMI TRIPATHI | p | | P | p | P | P | P | P | p | b | _ | _ | |
| | 1SG16CS051 | LIKHITHA R | P | | p | P A | A | P | P | P | P | P | | | <u>р</u> |
| 59. | 1SG16CS052 | LOKESH KUMAR N | 10 | | | P | P | P | <u> </u> | P | 1 | P | P | + | <u>P</u> |
| | 1SG16CS053 | MADHURA K | P | | | p | P | P | P | 1 P | P | P | P | _ | P |
| | 1SG16CS054 | MAHERA ALAM | P | 4 | - | P | P | P | P | P | Г Р | P | P | 1 | р р |
| | 1SG16CS055 | MALLIKARJUN S C | P | F | 1 | P | P | P | P | P | P | r P | P | ç | p) |
| 63. | 1SG16CS056 | MANJUNATH S | P | | 2 | | p | | A | P | P | 1 | - | + | P |

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| 64. | 1SG16CS057 | MANOJ R | P | P | P | P | P | P | P | P | P | P | . P |
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| 65. | 1SG16CS058 | MEDHA MANSI | P | P | P | P | P | P | ~ | 1 | P | | P |
| 66. | 1SG16CS059 | MONICA M | P | P | A | A | P | 1 | . P | P | 2 | 0 | - 1 - 2 |
| 67. | 1SG16CS060 | MUSKAN KEDIA | p | P | P | | Þ | P | P | P | 0 | 0 | - <u>1</u> |
| 68. | 1SG16CS061 | NAVEEN K | p | P | p | P | · p | | P | 0 | 0 | 8 | |
| 69. | 1SG16CS062 | NIHARIKA.S | P | P | P | P | À | Ĥ | 0 | 0 | P P | 0 | P |
| 70. | 1SG16CS067 | PAVITHRA.S | P | P | P | P | 1P | P | P | . P | P | 0 | |
| 71. | 1SG16CS068 | PAYAL | P | P | P | P | P | P | P | <u>р</u> | P | <u>Р</u> Р | P P |
| 72. | 1SG16CS069 | POOJAVASANGIHAL | P | P | P | P | P | P | p | P | I P | P | P |
| 73. | 1SG16CS071 | PRAJWAL.S.V | P | P | P | P | P | P | p | P | P | P | P |
| 74. | 1SG16CS072 | PRAKRITHI SINGH | P | P | P | P | P | P | P | P | P | p | P |
| 75. | 1SG16CS073 | PRASHANTH M.S | P | P | P | P | P | P | P | P | P | P | P |
| 76. | 1SG16CS074 | PRIYA KUMARI | P | P | P | P | P | P | P | P | P | P | P |
| 77. | 1SG16CS075 | PUNEETH KUMAR | P | P | P | P | P | P | p | P | P | 1 | P |
| 78. | 1SG16CS077 | RADHIKA SINGHAL | P | P | P | P | P | P | p | P | P | p | P |
| 79. | 1SG16CS078 | RAHUL KUMAR VERMA | P | P | P | P | P | P | P | P | P | P | P |
| 80. | 1SG16CS079 | RAHUL PRABHU.M | P | P | P | Р | p | P | P | Ρ | P | P | P |
| 81. | 1SG16CS080 | RAJEEV SRINIVAS | P | p | p | P | p | P | P | - | P | P | P |
| 82. | 1SG16CS081 | RAKHI KUMARI | P | P | P | P | P | P | P | P | P | > | P |
| 83. | 1SG16CS082 | RAKSHITHA G | P | P | p | P | P | Þ | P | P | P | P | P |
| 84. | 1SG16CS083 | RASHMI KUMARI | P | P | P | P | p | P | P | P | P | P | |
| 85. | 1SG16CS126 | NITIN MUNDHARA | P | P | P | P | P | P | P | P | P | P | P |
| 86. | 1SG16CS128 | SUNNY KUMAR SHARMA | P | P | P | R | P | P | A. | A | Ρ | P | P |

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| 87. | 1SG17CS406 | HARSHITHA BH | | ₽ | D | | Γ. | | 0 | | T | 1 | | | |
| 88. | 1SG17CS407 | | | 7 | P | A | A | P | P | P | P | P | P | P | |
| 89. | 1SG17CS408 | GR JAGADISH J | | P | P | P | P | P | p | P | P | P | P | P | |
| 90. | 1SG17CS409 | | F | P | P | P | ₽ | P | Р | P | P | P | P | P | 3 |
| 91. | 1SG17CS410 | MADITO K MANU M C | | P | P | P | P | ₽ | P | P | P | P | P | P | |
| 92. | 1SG15CS055 | | F | > | P | P | P | P | P | P | P | P | P | P | |
| 93. | 1SG16CS063 | NAVEEN M | F | > | P | Р | P | P | P | P | P | P | P | 1 | |
| 94. | 1SG16CS084 | NIKHIL GOWDA .C | P | | P | P | P | A | A | P | P | P | P | P | |
| 95. | | RASHMI S P | P | | PI | P | P | P | P | P | P | p | P | p | |
| 96. | 1SG16CS085 | RASHMI SURYA | P | 1 | > F | > | P | P | P | P | P | P | P | P | _ |
| | 1SG16CS087 | RIBANSHU KESHRI | P | 1 | | p | P. | | | | ρ | P | P | P | |
| 97. | 1SG16CS088 | ROHAN BIDAPPA.A.C | p. | F | > F | | - | | | | | - | 1 | | |
| 98. | 1SG16CS089 | SIDHEERAJ | P | | > p | | | <u> </u> | | | | P | P | P | |
| 99. | 1SG16CS090 | SACHINKUMAR S | P | ſ | | 1 | | | | | | P | P | P | |
| 100. | 1SG16CS091 | SALIL SANKRITYA | P | P | + | | | PH | | <u>} A</u> | | P | P | Р | |
| 101. | 1SG16CS093 | SANJAY KUMAR A N | P | 1 | + | + | | PP | | | | P | P | P | |
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5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

TEST TIME TABLE

| SL.NO | DATE / DAY | TIMINGS |
|-------|------------|-----------------|
| 1 | 25/1/2019 | 3:00PM - 4:00PM |
| | FRIDAY | |

200 **CO-ORDINATOR**

Principal

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Professor & Head of the Department Computer Science Engineering Sabthagirl College of Engineering Bangators 57



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5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

QUESTION PAPER

- 1. As companies move past the experimental phase with Hadoop, many cite the need for additional capabilities, including _____
 - a) Improved data storage and information retrieval
 - b) Improved extract, transform and load features for data integration
 - c) Improved data warehousing functionality
 - d) Improved security, workload management and SQL support
- 2. Point out the correct statement.
 - a) Hadoop do need specialized hardware to process the data
 - b) Hadoop 2.0 allows live stream processing of real time data
 - c) In Hadoop programming framework output files are divided into lines or records d) None of the mentioned
- 3. According to analysts, for what can traditional IT systems provide a foundation when they're integrated with big data technologies like Hadoop?
 - a) Big data management and data mining
 - b) Data warehousing and business intelligence
 - c) Management of Hadoop clusters
 - d) Collecting and storing unstructured data
- 4. Hadoop is a framework that works with a variety of related tools. Common cohorts include

a) MapReduce, Hive and HBase

- b) MapReduce, MySQL and Google Apps
- c) MapReduce, Hummer and Iguana

d) MapReduce, Heron and Trumpet

- 5. Point out the wrong statement.
 - a) Hardtop processing capabilities are huge and it's real advantage lies in the ability to process terabytes & petabytes of data

b) Hadoop uses a programming model called "MapReduce", all the programs should confirms to this model in order to work on Hadoop platform

- c) The programming model, MapReduce, used by Hadoop is difficult to write and test d) All of the mentioned
- 6. What was Hadoop named after?
 - a) Creator Doug Cutting's favorite circus act
 - b) Cutting's high school rock band
 - c) The toy elephant of Cutting's son
 - d) A sound Cutting's laptop made during Hadoop development

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- 7. All of the following accurately describe Hadoop, EXCEPT
 - a) Open source
 - b) Real-time
 - c) Java-based
 - d) Distributed computing approach

 can best be described as a programming model used to develop Hadoopbased applications that can process massive amounts of data.

- a) MapReduce
- b) Mahout
- c) Oozie
- d) All of the mentioned

_____ has the world's largest Hadoop cluster.

a) Apple

9.

- b) Datamatics
- c) Facebook
- d) None of the mentioned

10. Facebook Tackles Big Data With _____ based on Hadoop.

a) 'Project Prism'

b) 'Prism'

- c) 'Project Big'
- d) 'Project Data'

11. What does commodity Hardware in Hadoop world mean?

- a) Very cheap hardware
- b) Industry standard hardware
- c) Discarded hardware
- d) Low specifications Industry grade hardware

12. Which of the following are NOT big data problem(s)?

- a) Parsing 5 MB XML file every 5 minutes
- b) Processing IPL tweet sentiments
- c) Processing online bank transactions
- d) both (a) and (c)
- 13. What does "Velocity" in Big Data mean?
 - a) Speed of input data generation
 - b) Speed of individual machine processors
 - c) Speed of ONLY storing data
 - d) Speed of storing and processing data

14. The term Big Data first originated from:

- a) Stock Markets Domain
- b) Banking and Finance Domain
- c) Genomics and Astronomy Domain
- d) Social Media Domain

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- 15. Which of the following Batch Processing instance is NOT an example of
 - BigData Batch Processing?
 - a) Processing 10 GB sales data every 6 hours
 - b) Processing flights sensor data
 - c) Web crawling app
 - d) Trending topic analysis of tweets for last 15 minutes
- 16. Which of the following are example(s) of Real Time Big Data Processing?
 - a) Complex Event Processing (CEP) platforms
 - b) Stock market data analysis
 - c) Bank fraud transactions detection
 - d) both (a) and (c)
- 17. Sliding window operations typically fall in the category of
 - a) OLTP Transactions
 - b) Big Data Batch Processing
 - c) Big Data Real Time Processing
 - d) Small Batch Processing
- 18. What is HBase used as?
 - a) Tool for Random and Fast Read/Write operations in Hadoop
 - b) Faster Read only query engine in Hadoop
 - c) MapReduce alternative in Hadoop
 - d) Fast MapReduce layer in Hadoop
- 19. What is Hive used as?
 - a) Hadoop query engine
 - b) MapReduce wrapper
 - c) Hadoop SQL interface
 - d) All of the above
- 20. Which of the following are NOT true for Hadoop?

a) It's a tool for Big Data analysis

- b) It supports structured and unstructured data analysis
- c) It aims for vertical scaling out/in scenarios
- d) Both (a) and (c)
- 21. Which of the following are the core components of Hadoop?
 - a) HDFS
 - b) Map Reduce
 - c) HBase
 - d) Both (a) and (b)
- 22. Hadoop is open source.

a) ALWAYS True

- b) True only for Apache Hadoop
- c) True only for Apache and Cloudera Hadoop
- d) ALWAYS False
- 23. Hive can be used for real time queries.
 - a) TRUE
 - b) FALSE

Principa

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- c) True if data set is small
- d) True for some distributions
- 24. What is the default HDFS block size?
 - a) 32 MB
 - b) 64 KB
 - c) 128 KB
 - d) 64 MB
- 25. What is the default HDFS replication factor?
 - a) 4
 - b) 1
 - c) 3
 - d) 2

Approved by Academic Committee Members & Guest Speaker

| SI No. | Faculty Name | Designation | Signature |
|--------|--------------------|---------------------|--------------|
| 1. | Prof. KAMALAKSHI | HOD | i lo's |
| | NAGANNA | N | |
| 2. | Prof. MADHUSHREE | Assistant Professor | m |
| 3. | Prof. LATHA A | Assistant Professor | Å. |
| 4. | Prof. NANDA M B | Assistant Professor | Mande |
| 5. | Prof. VEENA K R | Assistant Professor | led |
| 6. | Mrs. HEMALATHA K L | Guest Speaker | 1C. Etenelet |

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00 For HOD

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



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Department of Computer Science & Engineering

5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

SCHEME

1. Answer: d

Explanation: Adding security to Hadoop is challenging because all the interactions do not follow the classic client-server pattern.

2. Answer: b

Explanation: Hadoop batch processes data distributed over a number of computers ranging in 100s and 1000s.

3. Answer: a

Explanation: Data warehousing integrated with Hadoop would give a better understanding of data.

4. Answer: a

Explanation: To use Hive with HBase you'll typically want to launch two clusters, one to run HBase and the other to run Hive.

5. Answer: c

Explanation: The programming model, MapReduce, used by Hadoop is simple to write and test.

6. Answer: c

Explanation: Doug Cutting, Hadoop creator, named the framework after his child's stuffed toy elephant.

7. Answer: b

Explanation: Apache Hadoop is an open-source software framework for distributed storage and distributed processing of Big Data on clusters of commodity hardware.

8. Answer: a

Explanation: MapReduce is a programming model and an associated implementation for processing and generating large data sets with a parallel, distributed algorithm.

9. Answer: c

Explanation: Facebook has many Hadoop clusters, the largest among them is the one that is used for Data warehousing.

10. Answer: a

Explanation: Prism automatically replicates and moves data wherever it's needed across a vast network of computing facilities.

11. Answer: d

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- 12. Answer: d
- 13. Answer: d
- 14. Answer: c
- 15. Answer: d
- 16. Answer: d
- 17. Answer: c
- 18. Answer: a
- 19. Answer: d
- 20. Answer: d
- 21. Answer: d
- 22. Answer: b
- 23. Answer: b
- 24. Answer: d
- 25. Answer: c

Approved by Academic Committee Members & Guest Speaker

| Sl No. | Faculty Name | Designation | Signature |
|--------|-----------------------------|---------------------|-----------|
| 1. | Prof. KAMALAKSHI NAGANNA | HOD | kle |
| 2. | Prof. MADHUSHREE | Assistant Professor | In |
| 3. | Prof. LATHA A | Assistant Professor | A |
| 4. | Prof. NANDA M B | Assistant Professor | Mande |
| 5. | Prof. VEENA K R | Assistant Professor | Cell |
| 6. | Mrs. Hemalatha K L | Guest Speaker | K. yten |

For HOD

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Feedback Form

5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

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

| Name: Manoj R USN: 1.5.4.16.C.5.6.5.7 | | | | | r R | | 2 |
|---|------------|-----------------|-----------|---|-----------|------|----|
| 1. Were all the communications satisfactory? | | 1 | 2 | 3 | 4 | 5 | |
| 2. Hands on session were up to the mark. | | 1 | 2 | 3 | 4 | 5 | |
| 3. The Speaker was knowledgeable on the topic. | | . 1 | 2 | 3 | 4 | 5 | |
| 4. I would be interested in attending a follow-up of this | program. | 1 | 2 | 3 | 4 | 5 | |
| 5. Given the topic, was this Course: a. Too short | | b. Right lengh | \square | | c. Too lo | ng 🗖 | |
| 6. In your opinion, was this Course: a. Too short | - | b. Right lengh | | | c. Too lo | ng 🗆 | ĺ. |
| 7. How do you rate out of 10 about the overall program | if 10 is n | aximum | 1 | | 2 8 | | |
| 8. Any Suggestions for improvisation of Certification C | | good | | | | | |
| Thank you! Please retu | urn this f | form to the coo | rdinato | r | | | •• |

Student Signature

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

| Name:15616CS091 | | | | 2. | 2 | | |
|---|--------------|---------------|---------|-----|--------|------|------------|
| USN: Sald Souleitye | | | | | | | |
| | | т | 2 | 3 | + | 5 | |
| 1. Were all the communications satisfactory? | | 1 | 2 | | 47 | 5 | |
| 2. Hands on session were up to the mark. | 53 | 1 | 2 | 3 | 4 | 5 | |
| 3. The Speaker was knowledgeable on the topic. | <i>u</i> (| . 1 | 2 | 3 | 4 | 5 | |
| 4. I would be interested in attending a follow-up of this | s program | 1 | 2 | 3 | 4 | 5 | |
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| 6. In your opinion, was this Course: a. Too short | | b. Right leng | gh 🗹 | | c. Too | long | |
| 7. How do you rate out of 10 about the overall program | n if 10 is r | naximum | .8 | | e a | | |
| 9. Any Suggestions for improvisation of Certification | | angel | | 8 | | | |
| | | | | | | | ···· |
| Thank you! Please re | turn this | form to the c | oordina | tor | | | 6,896.05 F |

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| Name: | | 8 | х а а | | | | | |
|--|--------------|--------------|-----------------|-------|-----|----------|------|------------|
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| 1. Were all the communications satisfactory | ? | | 1 | 2 | 3 | A | 5 | |
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| 8. Any Suggestions for improvisation of Ce | ertification | Course | × | | 5 | 4 | | - <u>8</u> |
| No suggestion. | ·····› | | | | | | | |
| Thenk you | 1 Please re | turn this | form to the coo | rdina | tor | | | |

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Feedback Form

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

| 1. Were all the communications satisfact | ory? | 14 72) | | 1 | 2 | 3 | 4 | 5 |
|--|--|--------------|---------|---------|-------|-------------------|-----------|-------|
| 2. Hands on session were up to the mark | | | | 1 | 2 | 3- | 4 | 5 |
| 3. The Speaker was knowledgeable on the | ie topic. | | 5 | 1 | 2 | 3 | 4 | 5 |
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| 5. Given the topic, was this Course: | a. Too short | | b. Righ | t lengh | Ð | | c. Too lo | ng 🗆 |
| 6. In your opinion, was this Course: | a. Too short | | b. Righ | t lengh | 9 | | c. Too lo | ng 🗆 |
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Thank you! Please return this form to the coordinator

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| Name: 15916CS115 | 94 | | | | 2 | | | | |
|--|-----------------|--------------|---------|---------|-------|---|----------|-----|------|
| JSN: Uday Khan 3 | 2 ³⁰ | | | | | | 3145 | 18 | |
| 1. Were all the communications satisfact | ory? | | | 1 | 2 | 3 | 4 | -5- | |
| 2. Hands on session were up to the mark | • | | | 1 | 2 | 3 | 4 | 5 | |
| 3. The Speaker was knowledgeable on th | ne topic. | | | 1 | 2 | 3 | 4 | -5 | |
| 4. I would be interested in attending a fo | llow-up of this | s program. | | 1 | 2 | 3 | -4 | 5 | |
| 5. Given the topic, was this Course: | a. Too short | | b. Righ | t lengh | 5 | - | c. Too l | ong | |
| 6. In your opinion, was this Course: | a. Too short | | b. Righ | t lengh | | | c. Too l | ong | |
| 7. How do you rate out of 10 about the c | overall program | n if 10 is r | naximur | n8 | | | | | |
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| | | | •••••• | •••••• | ••••• | | ••••• | | •••• |

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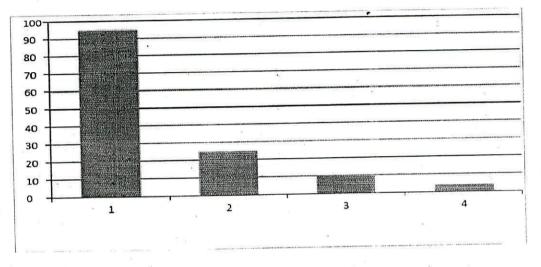
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FEEDBACK ANALYSIS

Certification Programme: "BIG DATA (SGCS62)"

| No. of students participated | Student Feedback | | | | | | |
|------------------------------|------------------|-----------|------|------|--|--|--|
| | Excellent | Very Good | Good | Fair | | | |
| 137 | 95 | 28 | 10 | 4 | | | |



Action Report:

71 % of students were completely happy with the certification program, 18 % of students felt it was very good program, 7% of students felt it was good program and remaining 3% students were satisfied with the program.

Action Taken:

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

100

PROGRAM COORDINATOR

Principal

FUS HOD

Professor & Head of the Department Computer Science Engineering Supposed of Engineering

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SAPTHAGIRI COLLEGE OF ENGINEERING CERTIFICATE OF PERFORMANCE THIS IS TO CERTIFY THAT PAVITHRA S Mr./Ms _ has participated in 5 days Certification Course on "BIG DATA (SGCS62)" from 21st Jan 2019 to 25th Jan 2019 organized by Department of Computer Science and Engineering. HOD COORDINATOR PRINCIPAL 15 Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore- 560 057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT TRIBHUVAN J M has participated in 5 days Mr./Ms_ Certification Course on "BIG DATA (SGCS62)" from 21st Jan 2019 to 25th Jan 2019 organized by Department of Computer Science and Engineering. اد: HOD COORDINATOR Principal Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road,

Bangalore-560 057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFY THAT

Mr./Ms

_ has participated in 5 days

Certification Course on "BIG DATA (SGCS62)" from 21st Jan 2019 to 25th Jan 2019

organized by Department of Computer Science and Engineering.

COORDINATOR

HOD

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POST EVENT REPORT ON CERTIFICATION COURSE

5 DAYS CERTIFICATION COURSE ON "BIG DATA (SGCS62)"

The Department of Computer Science & Engineering organized the certification course on 5 days certification course on "BIG DATA (SGCS62)" from 21/1/2019 to 25/1/2019 for all the students. The students attended the certification program. The course was successfully organized and carried out by Computer Science & Engineering department.

- Objective of the Course: The five day course made the students to be familiar with the major concepts in BIG DATA which is a main platform for their career and Certificate Course became the vital step to improve the knowledge of students.
- Course Title: "BIG DATA (SGCS62)".
- **Resource Person:** HEMALATHA K L, HOD DEPT OF ISE, SKIT, Bangalore.
- Course Duration & Date: 5 Days from 21-01-2019 to 25-01-2019.

The speaker provided information on BIG DATA basics and Challenges.

The training program covered the following domains,

- 1. Introduction to the BIG DATA
- 2. Hadoop ecosystem
- 3. Querying big data with Hive
- 4. Big Data and Machine Learning
- 5. Hands on sessions

Overall the students felt that the session was informative & gain knowledge about Big Data.

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Fax: 080-28372797

FEW SCREENSHOTS OF THE PROGRAM



Speaker delivering concepts on Hadoop ecosystem And querying big data with Hive.



Hands on session and Students interacting With Speaker.

Jee COORDINATOR

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

Protessor & Head of the Department Computer Science Engineering rolessor & nead of the Uepariment Computer Science Engineering Sacthagiri College of Engineering Bacgalore-57