



*Organizes 3 Week Technical Training Programme on*

## Non-Destructive Testing (NDT)



**19<sup>th</sup> June to 7<sup>th</sup> July 2017**

**Following Fundamental Topics will be covered  
including Hands on Training:**

- » Introduction to NDT
- » Typical Failure Mechanisms
- » Fracture Mechanics
- » Rheology
- » Viscosity Measurement
- » Different Types of NDT Methods

**OPEN TO ALL STUDENTS OF  
SCHOOL OF MECHANICAL ENGINEERING**

**For more details and Registrations Contact:**

Mr.S.Lakshmisankar  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 97908 41997

Mr.P.Amith Kishore  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 98412 33295

[www.sathyabamauniversity.ac.in](http://www.sathyabamauniversity.ac.in)

## NON-DESTRUCTIVE TESTING

### Course Objectives:

The main objectives of this course is to introduce the concept of non-destructive testing among the students and make them understand various types of non-traditional practices available for manufacturing industry.

### Course Outcomes

#### Student must be able to

1. Select an appropriate NDT technique as per requirement.
2. Set various process parameters and control the NDT process for the desired output parameters.
3. Find the internal flaws in the material by NDT and take measures to eliminate them.
4. Solve various problems encountered like leakage, cracks, blowholes etc with the manufacturing process by analyzing the data.
5. Make use of modern tools and software for analyzing and solving real life problems.
6. Introduce environmental friendly solutions to achieve organizational sustainability.

### 3. Value Added Program on Hands on practice of Non-Destructive Testing

| Module | Topics                                                                                                                                                                                                                            | Name of the Faculty | No of Sessions | Venue        |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|
| 1      | Radiography: Principle of radiography, types of radiography, equipments for neutron radiography, x-ray radiography, equipments for x-ray radiography, advantages and applications of fluoroscopy and photo fluoroscopy            | Mr.S.Lakshmisankar  | 5 hrs          | Seminar Hall |
| 2      | Electromagnetic methods: Principle of electromagnetic testing, mathematical analysis, flaw detection in conductors, various types' of instruments used and advantages of various electromagnetic methods for crack detection etc. | Mr.S.Lakshmisankar  | 5 hrs          | Seminar Hall |



|   |                                                                                                                                                                                                                                                                                                                                     |                    |       |              |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------|--------------|
| 3 | Ultrasonic methods: Principle of ultrasonic testing, generation of ultrasonic waves, equipment details for ultrasonic checking, methods of wave propagation, methods of flaw detection, various methods of ultrasonic testing, advantages of ultrasonic methods for flaw detection and crack location.                              | Mr.S.Lakshmisankar | 5 hrs | Seminar Hall |
| 4 | Holography: Principle of holography, method of holographic recording, method of holographic reconstruction, advantages of this technique and applications of holographic methods for non-destructive testing.                                                                                                                       | Mr.P.Amith Kishore | 5 hrs | Seminar Hall |
| 5 | Liquid penetrant testing: Principle of liquid penetrates testing, types of dyes and penetrants used in this testing technique and application of liquids for detecting sub-surface defects.                                                                                                                                         | Mr.P.Amith Kishore | 5 hrs | Seminar Hall |
| 6 | Magnetic particle testing: Principles of magnetic particle testing, details of equipments used and methods of crack detection by magnetic particle testing Hardness testing: Brinnel hardness testing, Rockwell hardness tests, shore hardness testing, Vicker hardness testing and theory behind various hardness testing methods. | Mr.P.Amith Kishore | 5 hrs | Seminar Hall |

### Course Coordinators

**Mr.S.Lakshmisankar**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 97908 41997**

**Mr.P.Amith Kishore**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 98412 33295**

**SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY**

## DEPARTMENT OF MECHANICAL ENGINEERING

CHENNAI – 600119.

## ATTENDANCE SHEET

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|    |         |                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---------|------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 3515100 | Desu Ajay Kumar                          | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P |
| 31 | 3515101 | DEVABHAKTUNI<br>MAHENDRANATH<br>CHOWDARY | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 32 | 3515103 | DHILIP KUMAR. R                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 33 | 3515104 | Dinesh Cg                                | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P |
| 34 | 3515105 | Divaakar S                               | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P |
| 35 | 3515172 | Karthick R                               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 36 | 3515173 | Karthik M                                | P | A | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 37 | 3515174 | Narendra Karuturi                        | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 38 | 3515175 | Kasagani Rama<br>Krishna                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 39 | 3515177 | Sasi Kiran<br>Katherapalle               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 40 | 3515178 | Kaveti<br>Venkateswara Rao               | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 41 | 3515179 | Kenny Roy E                              | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 42 | 3515180 | Kevin J                                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 43 | 3515181 | KEVIN SABU                               | P | P | P | P | P | P | P | P | P | P | A | P | P | P | A | P |
| 44 | 3515182 | King Sivabalan A                         | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 45 | 3515267 | Palampalli<br>Viswanatha Reddy           | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 46 | 3515277 | Penikalapati Ravi<br>Kiran               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 47 | 3515278 | Penmetsa<br>Venkatasatya<br>Prudhvi Raju | P | A | P | P | P | A | P | P | P | P | P | A | P | P | P | P |

|    |         |                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---------|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 3515279 | Philip Thomas                    | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 49 | 3515281 | Polisetti Durga Sai<br>Naga Raju | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

*S. Lakshmi S.*

**Course Coordinator**

*G. Arun Kumar*  
(G. Arun Kumar)  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGINEERING  
**SATHYABAMA**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)  
Jeppiaar Nagar, Rajiv Gandhi Salai,  
Chennai - 600 119

**HOD (Mechanical Engg.)**



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**SCHOOL OF MECHANICAL ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

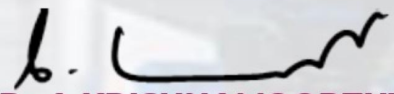
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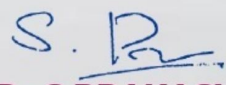
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that **Mr. M. ABHISHEIK KUMAR** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
**Dr.A.KRISHNAMOORTHY**  
**HOD MECHANICAL**

  
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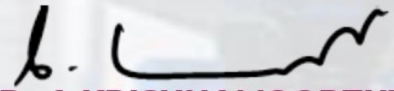
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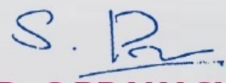
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## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. ABINASH. J of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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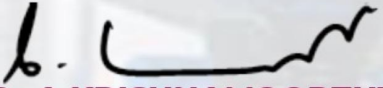
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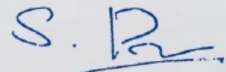
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## **PARTICIPATION CERTIFICATE**

This is to certify that **Mr. ADARSH KUMAR** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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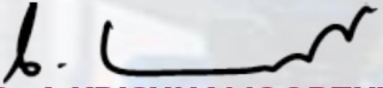
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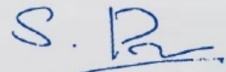
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This is to certify that **Mr. ADESH. V** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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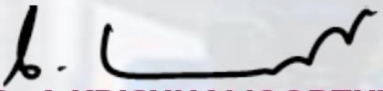
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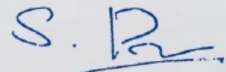
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This is to certify that Mr. AKASH. I of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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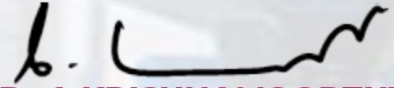
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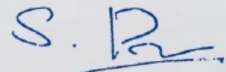
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This is to certify that **Mr. ALAN SHAJI LUKOSE** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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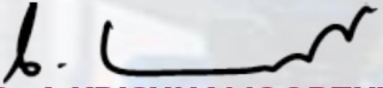
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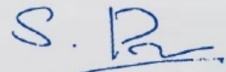
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## **PARTICIPATION CERTIFICATE**

This is to certify that **Mr. AMIRTHARAJAMANI. M** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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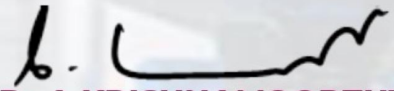
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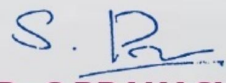
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This is to certify that Mr. ANDLURU NAVEEN REDDY of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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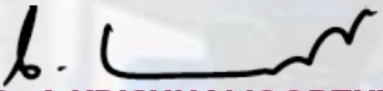
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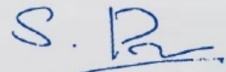
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This is to certify that Mr. BODALA ARAVIND SWAMY of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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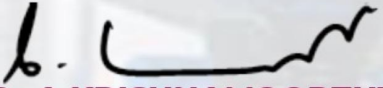
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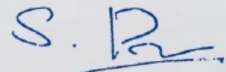
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This is to certify that **Mr.BODAPATI RAVI NAGENDRA** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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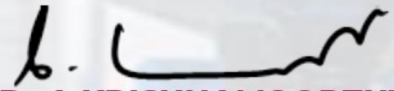
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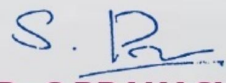
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This is to certify that **Mr.BOGAM SANTHOSH** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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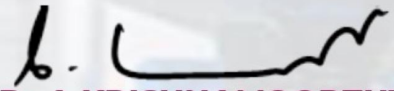
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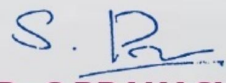
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This is to certify that **Mr.BOLISSETTY SURAJ** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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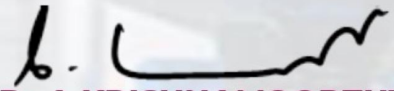
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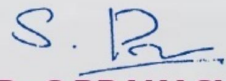
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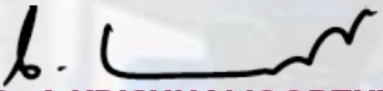
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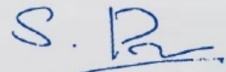
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**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

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This is to certify that Mr.BOSCO AGNALD. R of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
**Dr.A.KRISHNAMOORTHY**  
**HOD MECHANICAL**

  
**Dr.S.PRAKASH**  
**DEAN MECHANICAL**





# **SATHYABAMA UNIVERSITY**

**SCHOOL OF MECHANICAL ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

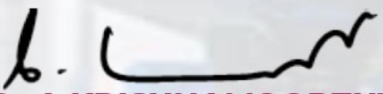
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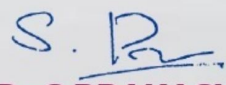
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that **Mr.CHINTALA RAGHURAM** of **3<sup>rd</sup> Year Mechanical** has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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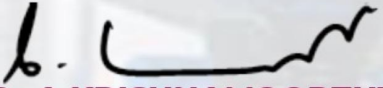
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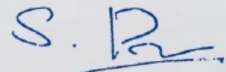
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr.DAVIS LAZAR of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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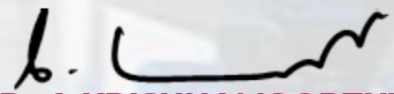
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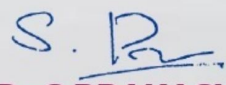
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**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. EESHWAR. R. S of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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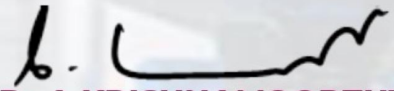
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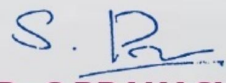
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GOKULA KANNAN. V of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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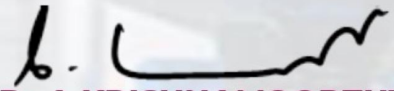
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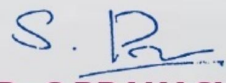
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GOVARDHAN. B of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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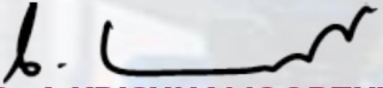
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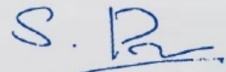
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**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GOWSIK SARAN. R. S of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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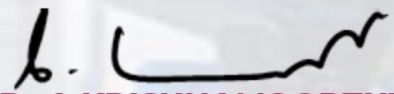
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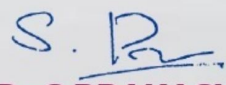
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## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GUGGILAPU SRI HARSHA of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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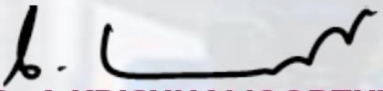
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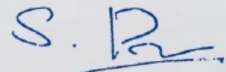
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**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GUNDE DANIEL of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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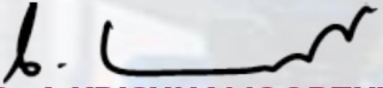
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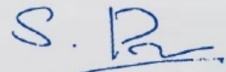
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**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GURUPRAKASH. R of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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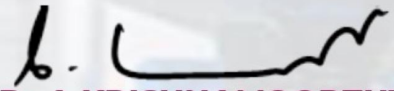
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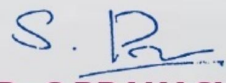
**NON - DESTRUCTIVE TESTING (NDT)**

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## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. GUTTULA BHAVANI KIRAN of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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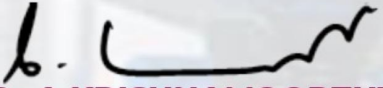
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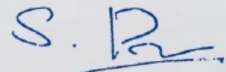
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## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. HABEEBULLAH. M. A of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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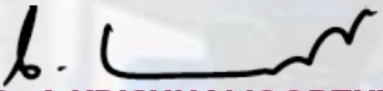
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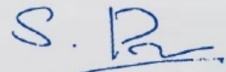
**NON - DESTRUCTIVE TESTING (NDT)**

**19<sup>th</sup> JUNE to 7<sup>th</sup> JULY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr. HARI PRASAD. N of 3<sup>rd</sup> Year Mechanical has attended the 3 Week Training Program on **NON - DESTRUCTIVE TESTING (NDT)** organized by the Department of Mechanical Engineering, Sathyabama University, Chennai from 19<sup>th</sup> June to 7<sup>th</sup> July 2017.

  
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**HOD MECHANICAL**

  
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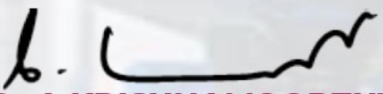
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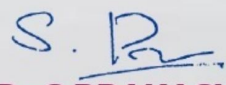
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**HOD MECHANICAL**

  
**Dr.S.PRAKASH**  
**DEAN MECHANICAL**





# SATHYABAMA UNIVERSITY

( Established under section 3 of UGC Act, 1956) Accredited by NAAC ( A Christian Minority Institution )

"ENTRY IS NOT IMPORTANT, EXIT IS IMPORTANT"

LEARN TODAY - LEAD TOMORROW

**SCHOOL OF MECHANICAL ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING**

*Organizes Training Program on*

**DRAFTING AND MODELLING USING**



**24<sup>th</sup> July to 11<sup>th</sup> August 2017**

### **Course Contents:**

- ◆ Solidworks Essentials
- ◆ Practice with Interface and Tools
- ◆ Part Modelling
- ◆ Assembly Modelling
- ◆ Surface Modelling

**For Registrations Contact:**

**Mr.T.Arunkumar**  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 99945 24519

**Mr.Nivin Joy**  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 98848 43539

## DRAFTING AND MODELLING USING SOLIDWORKS

### **Course outline**

By completing this certificate students learn how to use Computer Aided Design (CAD) software to create 2D and 3D models and designs. Students develop competency in CAD software that is used in a variety of industries and occupations, including floor plans, mechanical drawings, technical drawings, engineering design, and other projects. The courses in this certificate build skill-sets that are in high demand in today's job market and can be used to reach career and/or academic goals. This certificate can provide students who are looking for employment the experience they need to stand out from the crowd. Students who are already employed discover that keeping up with the latest changes in CAD software increases their chances of career advancement.

### **Course Outcomes**

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

- A. Effectively communicate technical ideas and problem- solving decisions with others.
- B. Demonstrate knowledge, techniques, skills, and use of the appropriate tool in mechanical design applications.
- C. Apply math, science, and engineering technology principles to solve problems in mechanical design.
- D. Use creativity in the design of mechanical components and systems.
- E. Recognize problems in mechanical design applications and develop appropriate solutions.
- F. Work productively as an individual and as a team member of a problem - solving team in an engineering environment.
- G. Recognize the need to stay current in the mechanical design career field.
- H. Demonstrate professional and ethical behavior.

### **Student Learning Outcomes**

1. Proficiently use AutoCAD technology to produce drawings at professional industry standards.
2. Draw engineering parts and assemblies proficiently using SOLIDWORKS.
3. Apply dimensioning and tolerance techniques in drawings and in an assembly.
4. Develop professional drawings for machining and assembling including title blocks.

### **2. Value Added Program on Drafting and Modelling Using SolidWorks**

| <b>Module</b> | <b>Topics</b>                                                                                                                                                                                                                                                                                                                                                                          | <b>Name of the Faculty</b> | <b>No of Sessions</b> | <b>Venue</b> |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|--------------|
| 1             | Various products available in SolidWorks for Product Design & Assembly modelling. SolidWorks Graphical User Interface - Feature manager design tree, Callouts, Handles, Confirmation corner, mouse buttons, keyboard shortcuts, Command Manager, Hardware and Software requirements.                                                                                                   | Mr.T.Arunkumar             | 3 hrs                 | Seminar Hall |
| 2             | Sketch Entities – Inference line, Centerline line, Line, Circle, Arc, Ellipse, Rectangle, Slots, Polygon, Ellipse, Partial Ellipse, Spline, Points, Text, Construction geometry ,                                                                                                                                                                                                      | Mr.T.Arunkumar             | 3 hrs                 | Seminar Hall |
| 3             | Sketch Tools - Fillet, Chamfer, Offset, Convert entities, Trim, Extend , Mirror, Dynamic Mirror, Move, Copy, Rotate, Scale, Stretch, Sketch pattern Close Sketch To Model, Sketch picture, Relations - Adding Sketch Relation, Automatic relations, Dimensioning - Smart, Horizontal, Vertical, Ordinate, Horizontal ordinate, Vertical ordinate, Align ordinate, Fully define sketch. | Mr.T.Arunkumar             | 3 hrs                 | Seminar Hall |
| 4             | Part Modeling Tools, Creating reference planes Creating Extrude features – Direction1, Direction2, From option, Thin feature, Applying draft, Selecting contours Creating                                                                                                                                                                                                              | Mr.T.Arunkumar             | 3 hrs                 | Seminar Hall |



|    |                                                                                                                                                                                                                           |                |       |              |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|--------------|
|    | Revolve features – Selecting Axis, Thin features, Selecting contours Creating Swept features-Selecting Profile and Path .                                                                                                 |                |       |              |
| 5  | Creating Loft features – Selecting Profiles, Guide curves. Selecting geometries – Selection Manager, Multiple Body concepts Creating Reference - points, axis, coordinates                                                | Mr.T.Arunkumar | 3 hrs | Seminar Hall |
| 6  | Creating curves - Split curve, Project curve, Composite curve, Curve through points, Helix and Spiral Creating Fillet features, Inserting Hole types                                                                      | Mr.Nivin Joy   | 3 hrs | Seminar Hall |
| 7  | Creating Chamfer, Creating Shell, Creating Rib, Creating Pattern - Linear pattern, Circular pattern, Sketch driven pattern, Curve driven pattern, Fill pattern, mirror                                                    | Mr.Nivin Joy   | 3 hrs | Seminar Hall |
| 8  | Environment & Utilities - Working with views and manipulating views, Trouble shooting                                                                                                                                     | Mr.Nivin Joy   | 3 hrs | Seminar Hall |
| 9  | Assembly Modeling Tools<br>Introduction to Assembly Modeling & Approaches – Top down and Bottom up approach Applying Standard Mates- Coincident, Parallel, Perpendicular, Tangent, Concentric, Lock, Distance, and Angle. | Mr.Nivin Joy   | 3 hr  | Seminar Hall |
| 10 | Applying Advanced Mates – Symmetric, Width, Path Mate, Linear/Linear Coupler, Limit mate. Applying Mechanical Mates – Cam, Hinge, Gear, Rack Pinion, Screw, Universal Joint.                                              | Mr.Nivin Joy   | 3 hr  | Seminar Hall |

**Intended Outcomes for the course**

1. Demonstrate competency with multiple drawing and modification commands in SolidWorks.
2. Create three-dimensional solid models.
3. Create three-dimensional assemblies incorporating multiple solid models.
4. Apply industry standards in the preparation of technical mechanical drawings.

**Course Coordinators**

**Mr.T.Arunkumar**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 99945 24519**

**Mr.Nivin Joy**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 98848 43539**

# SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

CHENNAI - 600119

## ATTENDANCE SHEET

[illegible]





|    |         |                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---------|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 3515319 | Shrawan Sudharshan Rikkamalle | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 32 | 3515320 | Robert Jarvik Robert          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 33 | 3515321 | R Robert Samuel               | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 34 | 3515322 | Rohit Rajeswaran              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 35 | 3515323 | Ruperao Rahul Varma           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 36 | 3515326 | Sairam Kare                   | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| 37 | 3515327 | Nuthalapati Sai Sandeep       | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 38 | 3515328 | Sravan Saikumar Samsani       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P |
| 39 | 3515329 | Sanepu Naga Ravi Teja         | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P |
| 40 | 3515330 | Sanjana Kallat                | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P |
| 41 | 3515356 | Shubham Raj                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 42 | 3515357 | SHUBHAM RAWAT                 | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P |

*Handwritten signature*

Course Coordinator

*Handwritten signature*  
(G. Arun Kumar)

HEAD OF THE DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGINEERING  
**SATHYABAMA**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)  
Jeppiaar Nagar, Rajiv Gandhi Salai,  
Chennai - 600 119

HOD (Mechanical Engg.)



**SATHYABAMA UNIVERSITY**

(Established under section 3 of UGC Act, 1956)

**SCHOOL OF MECHANICAL ENGINEERING  
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**ORGANIZES TRAINING PROGRAMME ON  
DRAFTING AND MODELLING USING SOLIDWORKS**

**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Srisai Arja of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
**USING SOLIDWORKS** organized by the Department of Mechanical Engineering,  
Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

**Dr.G.ARUNKUMAR  
HOD MECHANICAL**

**Dr.S.PRAKASH  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. ARSATH AHAMED. B of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. ARUL ANTONY. A of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. ARUN KUMAR. P of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Arun Rupan C of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Harish Kumarreddy Avula of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Baisani Sudheer of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr.BALAJI.A of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
**USING SOLIDWORKS** organized by the Department of Mechanical Engineering,  
Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Viswakanth Bandaru of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Lokeswar Reddy Capati of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Charan Raaj of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Chinta Balasairam Manideep of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Satish Chinthapalli of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Edric Jenishan S of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Haneefa J of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Harish G of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Harish Raj V of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**Dr.G.ARUNKUMAR  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Harish Srinivasalu of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

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**PARTICIPATION CERTIFICATE**

This is to certify that Mr. Heamnath V of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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**24<sup>th</sup> JULY to 11<sup>th</sup> AUGUST 2017**

**PARTICIPATION CERTIFICATE**

This is to certify that Mr.Sairam Kare of 3<sup>rd</sup> Year  
Mechanical has attended the Training Programme on **DRAFTING AND MODELLING**  
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Sathyabama University, Chennai from 24<sup>th</sup> July to 11<sup>th</sup> August 2017.

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# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

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Accredited with Grade "A" by NAAC

## SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

**DRAFTING AND MODELLING USING**



**22<sup>nd</sup> January to 9<sup>th</sup> February 2018**

### **Course Contents:**

- ◆ Introduction to CATIA Tools
- ◆ Part Modelling
- ◆ Generative Shape Design
- ◆ Assembly Modelling
- ◆ Kinematic Simulation

FREE REGISTRATION

CERTIFICATE WILL BE PROVIDED

For more details and Registrations Contact:

Mr.J.Jeyajeevahan

Assistant Professor

Department of Mechanical Engineering

Mob: 91769 01505

## A Short Term course on Drafting and Modeling using CATIA V5

### Course outline

**Computer Aided Design (CAD)** is the powerful tool in design and manufacturing industries with its flexibility, reliability, efficient and cost effectiveness. With the use of CAD software, one can easily visualize and see the final product at the design stage itself with the use of computer. The final product can be modified easily according to the need of application. **Sathyabama Institute of Science and Technology, Department of Mechanical Engineering** offers a course on Computer Aided Design (CAD) using CATIA V5 software. CATIA is a multi-platform software suite for CAD, CAM, CAE, PLM, etc. This software is developed by a French company Dassault Systems, which is one of the popular and powerful CAD packages available on PC platforms and also a general-purpose CAD program for Part and Assembly Models. One can customize the powerful drawing tool to suit their specific application. The course discusses about

### COURSE CONTENTS

#### Value Added Program on Drafting and Modelling Using CATIA V5

| Module | Topics                                                                                                                                                                                                                             | Name of the Faculty | No of Sessions | Venue        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|
| 1      | Introduction-CATIA as CAD software: Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management, drawing profiles. Major user industries of CATIA. Why CATIA is preferred? | Mr.J.Jeyajeevahan   | 3 hrs          | Seminar Hall |
| 2      | Sketcher: Profile toolbar, operation (corner, chamfer, transformations, project 3D element), constraints, types of constraints, workbench.                                                                                         | Mr.J.Jeyajeevahan   | 3 hrs          |              |



|   |                                                                                                                                                                                                                                                                                                 |                   |       |              |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------------|
| 3 | Modeling of Machined component – 1: Material Addition and Removal (Pad, Pocket, Shaft, and Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole.                                                                                                            | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 4 | Modeling of Machined component – 2: Pattern (Rectangular, Circular, User), Thread/Tap, Datum Features (Plane, Axes, Points), Simple Draft.                                                                                                                                                      | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 5 | Advance Design features :- Axis System, Types of draft, Shell, Stiffener, rib slot, Multi-section solid, Removed multi-section solid, Apply Material, Measure                                                                                                                                   | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 6 | Introduction To Multibody concept: Copy Paste, Paste special, Insert body, Boolean Operations (Add, remove, Intersect), Transformation (Translation, Mirror, Scaling, Affinity). Advance Features: Parameters, Formula, Relations, Design Table.                                                | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 7 | Introduction to Drafting & Detailing Theory: (types Generative – Interactive), Initial Drafting setting, Sheet Background, Views (ortho, ISO), Dimensions (Generate Dimension & Create Dimension).                                                                                              | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 8 | Views:- (Aux, Section, Details, Clipping, Broken), View properties, DATUMS & Tolerance. Annotations: GD & T, Symbols, Note, Leaders, Table, Symbols (Machining, Roughness, Welding, Custom), Dress-up Toolbar.                                                                                  | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
| 9 | Surfacing Modeling based Plastic Component: Environment, Tool bars, Surface Creation (Extrude, Revolve, Sphere, and Cylinder), Surface Modification, Surface Editing (Trim, Split, Shape Fillet, Close Surface, and Thickness). Surfacing: Offset, Fill, Blend, Join, healing, Project-Combine. | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |

|    |                                                                                                                                                                                                                                                              |                   |       |              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------------|
| 10 | Introduction to Assembly: Types of assembly approach, Types of Constrains and DOF, placement of components in the Assembly, Manipulating Components,<br>Assembly Drafting: Scene (Exploded View), Bill of material, Balloon creation, Graph Tree Reordering. | Mr.J.Jeyajeevahan | 3 hrs | Seminar Hall |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------------|

### **Course Outcome**

On successful completion of this course students will be able to:

- Understand the concepts of CAD and CAD tools.
- Visualize 3D objects using 2D design data.
- Sketch of Orthogonal Projection using 3D Models
- Design and Create Part models and Assembly models
- Create Drafting from Part and Assembly Models.

### **Couse Handling Faculty**

**Mr.J.Jeyajeevahan**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 91769 01505**

# SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

CHENNAI - 600119

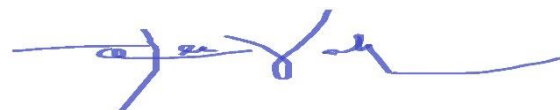
## ATTENDANCE

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|    |          |                       |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|----------|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 37150067 | GURUPRAKASH. R        | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 37 | 37150068 | GUTTULA BHAVANI KIRAN | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 38 | 37150069 | HABEEBULLAH. M. A     | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 39 | 37150070 | HAMILTON V DE PAUL    | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 40 | 37150071 | HARI PRASAD. N        | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 41 | 37150072 | HARIHARAN. S          | P | P | P | A | P | P | P | P | P | P | P | P | P |
| 42 | 37150073 | HARISHPRASANNA. P     | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 43 | 37150074 | HEMANTH. S            | P | P | P | P | P | P | A | P | P | P | P | P | P |
| 44 | 37150102 | KUNCHAPU SIVA KISHORE | P | P | P | A | P | P | P | P | P | P | P | P | P |
| 45 | 37150103 | LAKSHMAN. N           | P | P | P | P | P | P | P | A | P | P | P | P | P |
| 46 | 37150104 | LINO VARUGHESE        | P | P | P | P | P | P | P | P | P | P | P | P | P |



**Course Coordinator**



(G. Arun Kumar)

HEAD OF THE DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGINEERING  
**SATHYABAMA**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
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Jeppiaar Nagar, Rajiv Gandhi Salai,  
Chennai - 600 119

**HOD (Mechanical Engg.)**



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*Organizes Training Program on*

**DRAFTING AND MODELLING USING CATIA**

**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that Mr. Aanish Akshaya Mary of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

**USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama

Institute of Science and Technology, Chennai from 22<sup>nd</sup> January to 9<sup>th</sup> February 2018.

**Dr.G.ARUNKUMAR**  
**HOD MECHANICAL**

**Dr.S.PRAKASH**  
**DEAN MECHANICAL**





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**DRAFTING AND MODELLING USING CATIA**

**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that Mr. Adda Dinesh of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

**USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama

Institute of Science and Technology, Chennai from 22<sup>nd</sup> January to 9<sup>th</sup> February 2018.

A handwritten signature in blue ink, appearing to read 'G. Arunkumar'.

**Dr.G.ARUNKUMAR**  
**HOD MECHANICAL**

A handwritten signature in blue ink, appearing to read 'S. Prakash'.

**Dr.S.PRAKASH**  
**DEAN MECHANICAL**



# SATHYABAMA

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Addagalla Sai Ashrith Ram of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Adharsh Radhakrishnan of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Aditya Viswanathan Pillai of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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**Dr.G.ARUNKUMAR**  
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## PARTICIPATION CERTIFICATE

This is to certify that Mr. ADRIAN. M of 4<sup>th</sup> Year

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**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that Mr. ADRINATH. J. S of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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Institute of Science and Technology, Chennai from 22<sup>nd</sup> January to 9<sup>th</sup> February 2018.

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**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that **Mr. AJAI SUDARSAN. S** of **4<sup>th</sup> Year**

**Mechanical** has attended the Training Program on **DRAFTING AND MODELLING**

**USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. BALAJI.A of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Viswakanth Bandaru of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Vishnu Vardhan B of 4<sup>th</sup> Year

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**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that Mr. Satish Chinthapalli of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Akash Joshi Anandrao of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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This is to certify that Mr. Desu Ajay Kumar of 4<sup>th</sup> Year

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. DEVABHAKTUNI MAHENDRANATH CHOWDARY of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. DHILIP KUMAR. R of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Karthick R of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Narendra Karuturi of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Kasagani Rama Krishna of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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## PARTICIPATION CERTIFICATE

This is to certify that Mr. Kenny Roy E of 4<sup>th</sup> Year

Mechanical has attended the Training Program on **DRAFTING AND MODELLING**

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**22<sup>nd</sup> JANUARY TO 9<sup>th</sup> FEBRUARY 2018**

## PARTICIPATION CERTIFICATE

This is to certify that **Mr. KEVIN SABU** of **4<sup>th</sup> Year**

**Mechanical** has attended the Training Program on **DRAFTING AND MODELLING**

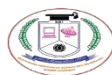
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**SCHOOL OF SCIENCE AND HUMANITIES**

**DEPARTMENT OF ENGLISH**

**Organizes**

**CRITICAL THINKING -VALUE ADDED COURSE**



**COURSE SCHEDULE:** 30 DAYS MODULE

**DATE OF COMMENCEMENT:** 4 TH Dec to 8<sup>TH</sup> Jan 2018

**VENUE :** COMPUTER LAB

**Chief Patron**

**Tmt. RemibaiJeppiaar**  
Hon. Chancellor

**Patrons**

**Dr. Marie Johnson**  
ProChancellor

**Dr.Mariazeena Johnson**  
Vice President

**Dr. K.V. Narayanan**  
Vice Chancellor

**Dr. T. Sasiprabha**  
Pro Vice Chancellor

**Dr. S.S Rau**  
Registrar

**Dr. B. Sheela Rani, M.S. (by Research), Ph.D**  
Director of Research

**Prof. IgniSabasti Prabhu**  
Controller of Examination

**Organising Committee**

**Faculty Members**  
**Dr.Avinash. M**  
**Dr. Mercy Gnana Gandhi**  
**Ms. Amutha Monica J**

**CONVENOR – Dr. Pushpa Nagini**

**YEAR: Dec 2017**      **MODULE TOPIC: Critical Thinking**  
**DATE: 04/12/2017 to 08/01/2018**

**Sem I**  
**TIME: 3:30pm to 4:30pm**

| DAY   | COURSE TOPICS                                                            | HOURS NEEDED |
|-------|--------------------------------------------------------------------------|--------------|
| 1     | Identifying things                                                       | 1            |
| 2     | Differentiating Singular/ Plural                                         | 1            |
| 3-4   | Identifying Parts of Speech 1                                            | 2            |
| 5-6   | Identifying Parts of Speech 2                                            | 2            |
| 7     | Understanding Comparative degree                                         | 1            |
| 8     | Receiving/Inviting people                                                | 1            |
| 9     | Writing Business Letters                                                 | 1            |
| 10    | Writing Business Letters                                                 | 1            |
| 11    | Enquiring information/routes                                             | 1            |
| 12    | Enquiring names/profession                                               | 1            |
| 13-14 | Writing after observation                                                | 2            |
| 15    | Matching objects                                                         | 1            |
| 16-17 | Identifying Relationship                                                 | 2            |
| 18    | Reading and Recalling                                                    | 1            |
| 19    | Identifying Advertisements                                               | 1            |
| 20    | Giving Titles to Video Clippings                                         | 1            |
| 21    | Identifying Proverbs for Images                                          | 1            |
| 22    | Writing captions for Videos                                              | 1            |
| 23    | Filling the blanks for Visual scenes                                     | 1            |
| 24-25 | Solving Vocabulary puzzles                                               | 2            |
| 26-28 | Reading, listening, speaking, writing and their subskills                | 3            |
| 29-30 | features of spoken and written texts, e.g. layout, accuracy, fluency etc | 2            |

**FACULTY HANDLING: Dr. Pushpa Nagini**

*Pushpa Nagini S.*

HOD  
 Department of English  
 Sathyabama Institute of Science  
 & Technology

## VALUE ADDED COURSE –CRITICAL THINKING

### COURSE OBJECTIVES

1. **Read closely. Write clearly. Communicate effectively.** These are the most basic conditions of quality thinking.
2. Get an informed and realistic picture of how we think *as embodied, culturally situated, and socially oriented human beings*. Study your own thinking habits, uncover and scrutinize your previously unexamined or even unnoticed assumptions, register the actual and/or potential obstacles to your critical thinking, and make a concerted effort to take your level of thinking up a few notches from wherever you started. **Clear-eyed self-knowledge and self-assessment** is the key.
3. Learn to **identify arguments** – or lack thereof – in both your own and other people's claims, so that you can **properly assess** them and, if necessary, revise or refute them effectively.
4. Gain a basic **understanding of scientific reasoning** and learn to differentiate genuine and bogus scientific claims.
5. Learn the basics of how data – especially **Big Data** – are used and how such uses influence nearly every aspect of both our personal life and our society as a whole, often in disconcerting ways.
6. Recognize that being a critical thinker is a matter of degree, that there is always room for improvement, and that every age and society – such as ours right now – may present its unique challenges that require **creative responses**. Learn to **take ownership** of your involvement, find your own voice, and set your own pace in this process, rather than passively getting along.
7. Help to **cultivate a diverse ecosystem of critical thinkers** around yourself. How well people around you – be they your friends, colleagues, or mere strangers – think and what information gets transmitted to you through them can profoundly, but often in ways that are subtle and barely noticeable, influence the quality of your thinking. To that extent, it is your *indirect duty to yourself* to use the critical thinking resources and skills you have learned in this class to inform and engage people around you, regardless of whether they share your worldview.
8. In so doing, you should continue to develop and strengthen **fairmindedness, intellectual humility, intellectual courage and perseverance**, among other [valuable intellectual traits](#).

Pushpa Nagini S.

HOD  
Department of English  
Sathyabama Institute of Science  
& Technology



## **Learning Outcomes Value Added course**

With diligent effort on their part, students will:

- Recognize critical thinking as a process of identifying, analyzing, evaluating, and constructing
- Reasoning in deciding what conclusions to draw or actions to take.
- Identify reasoning as they apply it to general or discipline-specific questions or issues.
- Analyze reasoning as they apply it to general or discipline-specific questions or issues.
- Evaluate reasoning as they apply it to general or discipline-specific questions or issues.
- Construct reasoning as they apply it to general or discipline-specific questions or issues

*Pushpa Nagini S.*

HOD  
Department of English  
Sathyabama Institute of Science  
& Technology

## ATTENDANCE SHEET

**DATE: 04/12/2017 to 08/01/2018**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

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|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAKOTI KALYAN                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| NALLURI SRI<br>SIDDHARDHA         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NANDINI MAHESHWARI                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| M D NAVEEN                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NEHA T U                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| NIMMAGADDA<br>HARINADH            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| OBILSETTI NAGA<br>VENKATA RAMA S  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PARIMALA D                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| PARISA NAGA VAMSI                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PATHAKUNTA<br>MURALIDHAR REDDY    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PATURU DHEERAJ<br>REDDY           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PAVITHRA B                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A | P | P | P | P |
| PEDAVALLI JAYA<br>PRASANTH        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PEDDAGOLLA<br>HARIPRANAY          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PEKETI VEERA VENKATA<br>SATYA TAR | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PENUGONDA MANOJ<br>KUMAR RAJU     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| TEJAS SAI PEPAKAYALA              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| PERKAMPALLY VINAY<br>KUMAR REDDY  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PINSETTI<br>RADHAKRISHNA          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| CHAKRAVARTHI<br>PIPPALLA          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| POKURI DILLIP KUMAR               | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| POTHULA CHANDU<br>PAVAN           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| POTINI JAYANTH SAI<br>CHOWDARY    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| POTLA SUDHEER<br>KUMAR            | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PRINCY A V                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PRIYADHARSHINI G                  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PROMIT DAS                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| PULAGAM VENKATA<br>PUTLURU        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BHAIRAVAKISHORERED<br>DY          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PUVANESHWARI S                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAGHUL G                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| RAJIV REDDY SONTAM                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| RAKKASI DHARANI                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAMAKRISHNA<br>BENDALAM           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| RAMANABOYINA<br>VENKATA RAMANA    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| RAMYA A                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAMYALAKSHMI M                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAVI KUMAR K                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A | P | P | P | P |
| RAYAPATI NARESH                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| REGU MOULIKA                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RESHMI NAIR                       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ROY CARLOUS C                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RUTHVIKA THUMMALA                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| SAGI VENKATA                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| G N SAIVARUN                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NAGI REDDY SANAGA                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANDEEP P                         | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANKU REVATHI                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SAREDDU NAGA<br>YUGANDHAR PRASAD  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SARIPILLI MAHESH                  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SATHI JAGAN RAM<br>MOHAN REDDY    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SAURABH ANAND                     | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| UPENDRA SEERAM                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| SELVALAKSHMI C                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHAIK ALTHAF                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SHAIK MAHAMMAD ADIL               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHAIK MEHARAJ                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SHAIK MOHAMMED<br>TAUSIF          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SAMEER SHAIK                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHAKTHI K                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| SHALINI P                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SHARON G                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHIVANGI DHANESH                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHRUTHI PRABAKARAN                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A | P | P | P | P |

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| SAI ABUEET P                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SAM ABESHEK ROY A                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P |
| SAMPREETH SAKA S N S                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANAM SANDEEP                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SANGANABOINA HARSHAVARDHAN             | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SASIDHARAN S                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SATHISH K                              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SAYAN DAS                              | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P | P |
| SELVAKUMAR M                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SEEPANA DEEPAK                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SEPANA HARIKRISHNA                     | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHAIK MOHAMMAD ZAHID                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SIDDA KRISHNA CHAITHANYA               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| SIVA ADITHYA S                         | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SIVAJIYAN A                            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SRIHARIHARAN P                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| STEBIN G BIJU                          | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| STEPHANAS ABHISHEK L                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SUDARSAN J P                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUJITH S S                             | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUKESH KUMAR S                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUMAN D                                | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| THEJUAL KRISHNA B C                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| TITUS RAJ K                            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| UDDAGURI DILEEP                        | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| VANGANNURI BHARGAV RAM                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VELKUMAR M                             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| VENKATESH T                            | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| VINITH K                               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VIVEK S                                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| YALAMARTHI P VENKATA SURYA PAVAN KUMAR | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| YOGAPRAVEEN S                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VENKATESH S                            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ABISHEK DOLAI                          | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P |
| AMARNATH SURYA .R                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ASWIN KRISHNAN .C                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DINESH K                               | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DWARAKESH.P                            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MANOJ KUMAR R                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| S.MUKESH ARAVIND                       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DUDELA PAVAN KUMAR REDDY               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANTHOSH M                             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHANJIIT B                             | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUDHAKAR T                             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| PULAPA BALA MURALI KRISHNA             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JEGATH RAKSHGAN G                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MOHAMED MUSTHAFA A                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANKARA NARAYANAN K                    | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| NIJOHN                                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| MAHARAJAN                              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MANOJ                                  | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SURIYA D                               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BENONI ISAAC RAJ C                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| BERNARD A                              | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| MALAVIKA R                             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MEENA P E                              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| RAKESH S                               | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SARAN RAJ T                            | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SARISH SHASHIKANT WADKAR               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VENDA E                                | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P | P |
| VINEETHWEL PREM                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SURYA B                                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BALA VARUN CHOWDARY                    | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| IDAMAKANTI BHANUSRI                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ABITHA. N                              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| AJAY AGARWAL. R                        | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AJIT SINGH                             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ALOK PRATAP SINGH                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ARJA DAS. A                            | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| CHILAVANURU PAVITHRA                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| DINESBALAJI. K.P                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GANESA PERUMAL. R                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GLORY CARMEL. C. A                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |



|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GOKUL. G                         | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| HARSH VARDHAN SHAHI              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| HIMANSHU KUMAR                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JANAKEY RAMAN. P                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| KEERTHANA. S                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| LENIN KUMAR. K                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| MANIMEKALAI. R                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| MONICA. C                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MUPPIDI SATYA VARSHITHA          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| NAIR SACHIN MURALIDHARAN         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| NARAYANAN. SP                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NIKHIL PRAKASH PATIL             | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PRATEEK                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PURUSHOTTAM ROY                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAJ RAVI                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RESHMA. V                        | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ROHITH. V                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANTHOSH. K                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | A |
| SHANTANU SAHA                    | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SIBA PRASAD CHOUDHURY. N         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SULAGA DOLA SIVA SAI HARISH      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VIGNESH. R                       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ANFAS ROSHAN P                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| ARAVIND ANILKUMAR MUTTATHIL      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BILVIK SRI SAI CHANDU GANNI      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GWORI SHANKAR M                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| KARTHIKA M                       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| KARTHIK RAJA S                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| NAKKEERAN M                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| POOVARASAN S R                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| RASHEEQA M                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RUBESH R                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| SHAIKH MOHD SALIM NOOMAN AHMED   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SHANNON STALIN S                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHEETAL CHANDRASEKARAN           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| B VISHAL                         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| DEVAN.A                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ABHINAV MANODH                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ABISHEAAKMADHAVAN K              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P |
| ADARI LALITHA KRISHNA KANTH      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AKASH V R                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BAGAVATHY DARSHAN M              | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| G CHARLES                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DEEPA M                          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A |
| DOPPAPALUPUDI KRANTHI KIRAN      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GAIKADI VISHNU SAI               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GOVARDHAN G                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| HARIHARAN N                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JANAHAN K                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| JOEL SATHIYAN VARUGHESE          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JOSHUA SAM JOSEPH S              | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| KAILASH K                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| KISHORE BEVAN D                  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| KOTHARU NITHIN SIVA              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| KUMARASKANDHA J                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MEENASHI V                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| NALLABOTHUALJEEVAN KUMAR         | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NAVEEN KUMAR G                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| PALAGIRI LEELA V DURGAAVINASH    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PATAMSETTY DURGA PRASAD          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PERIANNAN K                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| PONGANESH SP                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| PRABHU E A                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PRADEEP S                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAAMNATH VS                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P | P |
| SANJAY                           | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANTHOSH KUMAR V SARAVANAKUMAR R | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SIBI B                           | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUHI CHELSEA C P                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUMI NADIA C P                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | A |
| SWAGATAM BARDHAN.                | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| TAMILARASAN S                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| TEJOVANTHREDDY SATAPALLI      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| TATHIREDDY SAIVIKASREDDY      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VIBHISHAN GOTURU              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| VIKRANT MISHRA                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| BALAMURUGAN S                 | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| R NARESH                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ALBERT JAMES PELIES S         | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| RACHITA NATH                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| RITESH BHANDARI               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NIKITA BHOWMIK                | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SRIVISHAL E                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AJITHRAN S                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| ANDREW CHELLAM DAVID D        | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| ASAPH S                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ASVIKA J S                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| BERTENA R                     | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| BHAVANI V                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| CHANDINI LOKKASHRI S B        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DAKSHINI V                    | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | P |
| DEVISHREE C M                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| DHASHINI D                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ERIC JOHNSON P                | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ERIN JEMIMAH JAYAKIRUBAI J    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| GOKUL S                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |
| GOWSIGA K                     | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| HARINAKSHI L                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JEEVIKA R                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JWALAA L                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| KAAVIYAA A M                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| KAJAL PUROHIT                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MADHUMITHA S                  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MALINISREE K                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NAVIYA R                      | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| NETHRA B                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| PIRABANCHANA M                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RADHIKA S                     | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| RAJALAKSHMI G                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RUPADHARSHINI K               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| SABITHA S                     | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SANDRA SAMSON SHANMUGAPRIYA S | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SHRUTHI E R                   | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| SRINIVAS T                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SRIRANJANI G                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUBBULAKSHMI K                | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P |
| SUDHARSAN R                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUKRIYA R                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SUVETHA R                     | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SWATHY T                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VARSHA SURESH                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A |   |
| VUJAY D                       | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VISHNU AM                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| VISHNUPRIYA B                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ABHISHEK S                    | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AFIF AS                       | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| AJAY R                        | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AKSHYA V                      | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| ANEESHWAR M                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| AVIGNA SAI                    | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| BLESSY N S                    | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| EZHILMATHI M                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| HEMAPRAKASH V K               | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| JAI SURAJ G                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| JINU JACOB Y                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P |
| KANIMOZHI K                   | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| KAVITHA E                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MARILYN RIJA W                | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| MERCY S                       | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |
| MOHAMED ASLAM J               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MOHAMED BASHIM M              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| MONICA P                      | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P | P |
| NANDHAKUMAR P                 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NISITHA S                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| NIVETHA J                     | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PARTHASARATHY S               | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| PAVITHRA G S                  | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |   |
| POOJASAKTHI S                 | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAGHAVI T                     | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAHUL NANDY MAJUMDAR          | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RAMACHANDRAN K S              | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| RENUKA S                      | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| SAHEER ANAS                   | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANDRA ANN R                  | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANTHOSH KUMAR K              | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| SANTRA E                      | P | P | P | A | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P |





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This is to certify that **LEKH ROY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MADIRAJU SAI RAM ASISH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MADIREDDY DIVYA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MADITHATI VEERA BHADRA REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MAHESH KORAPATI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **SEEDIRI MAHESH VARMA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **VINEETH GUPTHA MALLIPEDDI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MAMILLA JAAHNAVI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANDALA VENKATA RAKESH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANJUNATHA INTI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANJUPRASATH D** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **KATTELA MANOJ KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANOJ KUMAR T** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANOJ PAWAR S. J.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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INSTITUTE OF SCIENCE AND TECHNOLOGY  
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## CERTIFICATE

This is to certify that **MAREEDU SAI VAMSI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
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This is to certify that **MARNI DEEPIKA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MARRI SANJAY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **THIRUMALA REDDY MARY SREEJA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MAYANK KUMAR SINGH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MAYANK KUMAR PANDEY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **M. D. TOUFIQUE ALAM** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MEDAPATI NAVA CHAITAYA REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MEENIGE VINOD KUMAR REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **INDLAMUDI MEGHANA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **ELLURI MEGHANA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MEKA KESAVARDHAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MOHAMMAD AFTAB AHMED** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MOHIT KUMAR PATNAIK** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MOPURI ANNIE SOWMYA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MORUSU SREEKANTH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MOTURU MOHAN KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **CHATHARAJUPALLI MOUNIKA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MRIGANKA DAS** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUCHUMARRI SAIJAHNAVI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUDUNURI LEELA SAI RUSHENDRA VARMA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUGUNDHAN S. M.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUGUNTHAN RAJU G** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUHILESH M. L.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **SHAIK MUJAFAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUKESH M** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUKILAN V. M.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUNAGALA SREEDHAR REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUPPALA SUNNY CHOWDHARY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MURUGAN S** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MURUGAPRASAAD M. D.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MUVVA ANUDEEP** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NADUPURU YAMINI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **DASARI NAGA BHANU SRI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAGA SAMHITHA ILLA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAGISHETTY VISHAL** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAMALA RAJA RAJESWARI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAMAN .N. JAIN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NANDALURI PRABHAS REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAYANA VIKRAMAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NAYANIKA SAHA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NEERAJ J** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NEERAJA SANJAY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SRIKAR MEHER NEMANI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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## CERTIFICATE

This is to certify that **NERELLA PAVAN KALYAN GOUD** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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Dr. S. Pushpa Nagini  
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## CERTIFICATE

This is to certify that **NIDHISH KUMAR S. M.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NIKHIL PABBISETTY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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Dean



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## CERTIFICATE

This is to certify that **TUMULA NIKHIL** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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## CERTIFICATE

This is to certify that **NIKHIL GANESH V** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

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## CERTIFICATE

This is to certify that **NIKHIL JOSHI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NIKHIL SAI REDDY JONNALA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NIKHIL SINGH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NIKITHA MICHAEL** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NINDRA GURU SAI PRAKASH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NIRMAL KUMAR M** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **NUKALA KRISHNA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **ONTEDDU MANASA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PACHIGOLLA RAKESH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PALLAVENKATANAGASIVASIDURGAHARSHAVARDHAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PAMIDETI V PANDURANGA SESA SAI SIVA KIRAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **CHINTALA PANITH KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PANYAM VISHNU CHARAN REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PAPOLU BHADRI SRI HARISH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PARA SAI UDAY KIRAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PARVATHA CHARAN SAI REDDI NAIDU** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PARVATHANENI SUSHANTH CHOWDARY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PASAGADUGULLA AKHILA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PASUMARTHI RESHMANTH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PASUPULETI ANKITA NAGA SAI SWATHI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PAUL CHARIS JOHNSON** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **KASETTY PAVAN KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PAVAN SAI MUSUNURU** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PAVITHRA P** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PEDADA MAHESH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PEDDAMALLU VEERA KRISHNA VAMSI PRASAD** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **MANIDHAR CHOWDARY P** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PEDDIREDDY VINAY REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PENMATSA VENKATA RAJIV VARMA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PERALA TEJASWINI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PERCY PAULIN J** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PETA MANISH KUMAR REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PINISETTI JAYAPRAKASH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **POREDDY AKSHITHA REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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## CERTIFICATE

This is to certify that **POTU LAKSHMI PRANEETH REVANTH KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRAGADESH K** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRAGATI BHASAWAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRANATHI YAJJALA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PATIBANDA PRANAV NAGA RAJA PRAKASH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRANEET PATNAIK** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **VEMIREDDY PRANEETH KUMAR REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **BODDU PRASANTH REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRASHANTH L** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRATIK TIRUPATI NAGAVELLI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRAVEEN PALLAPOTHU MSV** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRAVEEN .S. DANIEL** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRAVIN V** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PRIYATHAM VATTIKUTI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PULLURI AKASH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PUTTA PAWAN KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAGALA HYMAVATHI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAGALA SURYA VAMSI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **PULAPARTHI YUVA SUBRAHMANYA RAJA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAJANALA SAI RAJU** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAJKUMAR N. D.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **GUNDA RAMA SUJITH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAMADUGU KAUSTUB** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RANGA AVINASH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RANGA CHAKRADHAR A** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **ALLAM RANJITH KUMAR REDDY** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAUSHAN RAJ** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAVELLA VARUN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAVI KUMAR DUSI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAVI SAI SARAN** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RAVURI JYOTHI SAI KRISHNA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **REEMA ROSE TOPPO** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **REENA JENNIFER P. A.** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **RELANGI GOWTHAM KRISHNA SAI** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that **ROSHAN SAMUEL SATYA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
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## CERTIFICATE

This is to certify that **RUBESH S** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **RUDRARAJU SAI NIRANJAN DATTA VARMA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
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This is to certify that **RUPAK SAI K** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

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Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean





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## CERTIFICATE

This is to certify that **SURAPARAJU RUTHWIK PREETHAM** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SACHIN KUMAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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This is to certify that **SACHIN MUDALIAR** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SADDALADINNE DEEPIKA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SAGAR KUMAR SINGH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SAGI RAHUL AYYAPPA** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



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## CERTIFICATE

This is to certify that **SAHIL PARWEZ** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean





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## CERTIFICATE

This is to certify that **SAHUKARA SAMPATH** has participated in Value Added course for 30 hrs on **CRITICAL THINKING** conducted by Department of English, for the academic year 2018 by Sathyabama Institute of Science and Technology, Chennai.

*Pushpa Nagini S.*

Dr. S. Pushpa Nagini  
Convenor

*Sundareswari M.*

Dr. Sundareswari. M  
Dean



SATHYABAMA  
Institute of Science and Technology  
(Deemed to be University)  
Accredited with Grade A by NAAC



## DEPARTMENT OF CHEMISTRY

Cordially invites you to the **DST-SERB**  
sponsored five day Workshop on  
**“CHALLENGES AND ADVANCES  
IN COMPUTATIONAL  
CHEMISTRY CACCh-2018”**

To be held from 08-January-2018 to 12-January-2018 at  
SATHYABAMA  
Institute of Science and Technology



### ABOUT SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Sathyabama is a pioneer in engineering education and was established with the aim of providing quality higher education in the areas of Engineering, Science and Technology on par with International standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. Having acquired excellence in the academic part of education with all sophisticated facilities available, Sathyabama has established several research centres in the field of Remote Sensing & Geo Informatics, Nano Technology, Ocean Research, Water Research, Robotics, Earth & Atmospheric Sciences, Non Destructive Testing & Waste Management in collaborations with esteemed National Research organizations and are progressively working towards innovation in the field of Science & Technology. Sathyabama has been accredited with 'A' grade by National Assessment and Accreditation Council (NAAC) and ISO 9001: 2008 Certification for Professional Quality Management Practices. It has undertaken various sponsored and collaborative research and development projects funded by national organizations such as Indian Space Research Organization (ISRO), Department of Science and Technology (DST), Indira Gandhi Centre for Atomic Research (IGCAR), Defence Research and Development Organization (DRDO), Department of Bio-Technology (DBT), Ministry of Environment and Forests (MoEF), Board of Research in Nuclear Sciences (BRNS) etc. Sathyabama holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life. A step towards achieving this, the institution is successfully conducting non formal education programmes through 18 Village Resources Centre (VRCs) all over the state of Tamil Nadu.

### ABOUT THE DEPARTMENT OF CHEMISTRY

The Department of Chemistry was started right from the inception of Sathyabama in the year 1988. It has well-established laboratories equipped with sophisticated instruments, which fulfil the needs of PG and Ph. D students. The department has highly qualified faculty and more than 20 Ph. D students. It has doctorates from reputed institutions like IIT, NIT CECRI, NML, etc. and published more than 75 research papers in reputed journals with high impact factor. The department has undertaken many research projects funded by CSIR, ISRO, DST and IGCAR.

### NATIONAL ADVISORY COMMITTEE

Dr. Rajaraman, Associate Professor, IIT Bombay  
Dr. Gunasekaran K, Associate Professor, University of Madras  
Dr. Narahari Sastry G, Sr. Principal Scientist, Centre for Molecular Modelling, CSIR-IICT, Hyderabad.  
Dr. Naresh Kandakatla, Manager R&D & Production at Helios Bio Nutrition Pvt. Ltd.  
Dr. Geetha Swaminathan, Former Vice Principal, Stella Maris College, Chennai.  
Dr. K. Shyamala, Former Head, Department of Bioinformatics, Stella Maris College  
Dr. R. Karvembu, Associate Professor, Department of Chemistry, NIT Trichy  
Dr. A. Nityananda Shetty, Professor, NITK, Suratkal

## OBJECTIVES AND IMPORTANCE OF THE WORKSHOP

Chemists have been involved in computations for ages, but what we know as Computational Chemistry is a product of the digital age. However, Computational Chemistry did not come into its own until 1998 when Walter Kohn and John Pople won the Nobel Prize for Chemistry for their work in Density Functional Theory and Computational methods in Quantum Chemistry. It is a rapidly growing field of Chemistry and is now firmly established as an indispensable tool in the hands of researchers to carry out studies hitherto unachievable by conventional methodologies. This interesting field of study helps to create spectral profile simulations, modelling and designing molecules, understand structure activity relationships, homology modelling, design more productive and efficient processes, protein structure visualization, in molecular dynamics and in short to extract useful knowledge from oceans of data.

To bring about a better understanding of the scope of Computational Chemistry and its application in current research and education by UG and PG students and teachers, research scholars, etc., the Department of Chemistry has organized a five day Workshop on the Challenges and Advances in Computational Chemistry 2018 (CACCh-2018) that will focus on the molecular mechanism underlying human health and disease. This workshop will provide a comprehensive theoretical and practical hands-on training to all the participants on molecular modelling and drug design.

### COURSE OUTCOME;

- ✓ Understand the theoretical spectral profile simulations, modelling and designing molecules.
- ✓ Assess the structure activity relationships, homology modelling and protein structure.

### CONVENER

Ms. JANET SABINA X

Assistant Professor

Department of Chemistry

Sathyabama Institute of Science and Technology

Rajiv Gandhi Salai

Chennai – 600119

REGISTRATION FEE: RS. 2000 (For PG Students: Rs. 1000)

Kindly confirm your participation through phone or email. Registration through SMS to 9445362213.

Email: [janetjeyakumar@gmail.com](mailto:janetjeyakumar@gmail.com)

| <b>Dr. Parthiban Srinivasan,<br/>Parthys Reverse<br/>Informatics, Chennai</b> | <b>Keynote Address</b>                                                                                                      |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Dr. Gunasekaran,<br/>University of Madras</b>                              | XRD: An inevitable partner of Chemistry                                                                                     |
| <b>Dr. Naresh Kandakatla,<br/>Helios Pvt. Ltd., Hyderabad</b>                 | Chemical structure drawing: 2D and 3D.<br>Molecular Modelling – Discovery Studio                                            |
| <b>Dr. M. Karthikeyan, NCL,<br/>Pune</b>                                      | Chemoinformatics for drug discovery                                                                                         |
| <b>Dr. Thiagarajan, IBAB,<br/>Bangalore</b>                                   | Virtual screening and rational drug<br>design: principles and applications                                                  |
| <b>Dr. Xavier Suresh,<br/>Sathyabama</b>                                      | Molecular modelling - AutoDock                                                                                              |
| <b>Dr. Athi Naganathan, IIT<br/>Madras</b>                                    | Theoretical models of protein folding:<br>myth or reality?                                                                  |
| <b>Dr. Madhavan Jacob,<br/>Loyola College</b>                                 | Fundamentals of Electronic structure<br>calculations<br>Role of computation on the signature and<br>reactivity of molecules |
| <b>Dr. Mukesh Dhoble, IIT<br/>Madras</b>                                      | Computer aided design of anti-<br>inflammatory drugs<br>Pharmacophore modelling                                             |
| <b>Dr. Rajaraman, IIT Bombay</b>                                              | Computing spectral parameters using<br>ORCA                                                                                 |
| <b>Dr. Deva Priyakumar, IIIT<br/>Hyderabad</b>                                | Computational Studies on the Mechanism<br>of Selection and Permeation Across Ion<br>Channels                                |

## HIGHLIGHTS

- Eminent scientists from IIT Madras, Bombay, Hyderabad, Bangalore, Pune and the industry will deliver talks on various topics in Computational Chemistry
- Practical and interactive session with eminent personalities
- A highly comprehensive five day programme that will enrich all researchers in this field.

**DAYWISE SCHEDULE FOR THE FIVE DAY DST-SERB SPONSORED WORKSHOP ON  
“CHALLENGES AND ADVANCES IN COMPUTATIONAL CHEMISTRY CACCh-2018”**

| <b>DAY I (08-01-2018)</b>   |                      |                                                                |                                                                               |
|-----------------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|
| 9:30 am – 10:00 am          | Inauguration         |                                                                |                                                                               |
| 10:00 am – 10:15 am         | Tea break            |                                                                |                                                                               |
| 10:15 am – 11:15 am         | Lecture - 1          | Dr. Parthiban Srinivasan, Parthys Reverse Informatics, Chennai | Keynote Address                                                               |
| 11:15 am to 12:15 pm        | Lecture – 2          | Dr. Gunasekaran, University of Madras                          | XRD: An inevitable partner of Chemistry                                       |
| 12:15 pm – 1:00 pm          | Lunch                |                                                                |                                                                               |
| 1:00 pm – 3:00 pm           | Practical Session -1 | Dr. Naresh Kandakatla, Helios Pvt. Ltd., Hyderabad             | Chemical structure drawing: 2D and 3D. Molecular Modelling – Discovery Studio |
|                             |                      |                                                                |                                                                               |
| <b>DAY II (09-01-2018)</b>  |                      |                                                                |                                                                               |
| 9:30 am – 10:30 am          | Lecture – 3          | Dr. M. Karthikeyan, NCL, Pune                                  | Chemoinformatics for drug discovery                                           |
| 10:30 am – 11: 00 am        | Tea break            |                                                                |                                                                               |
| 11:00 am – 12:00 noon       | Lecture – 4          | Dr. Thiyagarajan, IBAB, Bangalore                              | Virtual screening and rational drug design: principles and applications       |
| 12:00 noon – 1: 00 pm       | Lunch                |                                                                |                                                                               |
| 1:00 pm – 3:00 pm           | Practical Session -2 | Dr. Xavier Suresh, Sathyabama                                  | Molecular modelling - AutoDock                                                |
|                             |                      |                                                                |                                                                               |
| <b>DAY III (10-01-2018)</b> |                      |                                                                |                                                                               |
| 9:30 am – 10:30 am          | Lecture – 5          | Dr. Athi Naganathan, IIT Madras                                | Theoretical models of protein folding: myth or reality?                       |
| 10:30 am – 11: 00 am        | Tea break            |                                                                |                                                                               |
| 11:00 am – 12:00 noon       | Lecture – 6          | Dr. Madhavan Jacob, Loyola College                             | Fundamentals of Electronic structure calculations                             |

|                            |                       |                                     |                                                                                        |
|----------------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------------------------|
| 12:00 noon – 1: 00 pm      | Lunch                 |                                     |                                                                                        |
| 1:00 pm – 3:00 pm          | Lecture - 7           | Dr. Madhavan Jacob, Loyola College  | Role of computation on the signature and reactivity of molecules                       |
|                            |                       |                                     |                                                                                        |
| <b>DAY IV (11-01-2018)</b> |                       |                                     |                                                                                        |
| 9:30 am – 10:30 am         | Lecture - 8           | Dr. Mukesh Dhoble, IIT Madras       | Computer aided design of anti-inflammatory drugs                                       |
| 10: 30 am – 10:45 am       | Tea break             |                                     |                                                                                        |
| 10:45 am – 12:30 pm        | Practical Session - 3 | Dr. Mukesh Dhoble, IIT Madras       | Pharmacophore modelling                                                                |
| 12:30 pm – 1: 30 pm        | Lunch                 |                                     |                                                                                        |
| 1:30 pm – 3:00 pm          | Lecture - 9           | Dr. Rajaraman, IIT Bombay           | Computing spectral parameters using ORCA                                               |
|                            |                       |                                     |                                                                                        |
| <b>Day V (12-01-2018)</b>  |                       |                                     |                                                                                        |
| 10:30 am – 11:00 am        | Tea break             |                                     |                                                                                        |
| 11:00 – 12:00 noon         | Lecture – 10          | Dr. Deva Priyakumar, IIIT Hyderabad | Computational Studies on the Mechanism of Selection and Permeation Across Ion Channels |
| 12:00 noon – 1: 00 pm      | Lunch                 |                                     |                                                                                        |
| 1:00 pm – 1: 30 pm         | Valedictory           |                                     |                                                                                        |



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## Challenges And Advances In Computational Chemistry Cacch-2018

Jan 8<sup>th</sup> -12<sup>th</sup> 2018

Attendance Sheet

| Name of the Student   | Register number | 08/1 | 09/1 | 10/1 | 11/1 | 12/1 |
|-----------------------|-----------------|------|------|------|------|------|
| AISHWARYA KUMARI      | 37030001        | P    | P    | P    | P    | P    |
| ANUJA IRIN LAKRA      | 37030002        | P    | P    | P    | P    | P    |
| KONDEPONGU<br>DEVAIAH | 37030006        | P    | P    | P    | P    | P    |
| M.JANANI              | 3691002         | P    | P    | P    | P    | P    |
| A. SANGEETHA          | 3691003         | P    | P    | P    | P    | P    |
| J.K. SHABANA AZMI     | 3691004         | P    | P    | P    | P    | P    |

*X. Janet Sabina*

Ms.X.Janet sabina  
Convener, CACCh 2018

*J. Karthikeyan*

Dr. J. Karthikeyan  
Head, Department of Chemistry

HEAD OF THE DEPARTMENT  
DEPARTMENT OF CHEMISTRY  
**SATHYABAMA**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
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Jeppiaar Nagar, Rajiv Gandhi Salai  
Chennai - 600 119



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Institute of Science and Technology  
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JEPPIAR NAGAR, RAJIV GANDHI SALAI  
CHENNAI - 600119

## DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **AISHWARYA KUMARI**,  
**Reg.no. 37030001**, Dept of chemistry, Sathyabama Institute of  
**Science and Technology** has participated in the five day DST-SERB  
sponsored workshop and successfully completed the 30 hour  
Value added course on "CHALLENGES AND ADVANCES IN  
COMPUTATIONAL CHEMISTRY CACCh-2018" organized by the  
Department of Chemistry, Sathyabama Institute of Science and  
Technology from 08<sup>th</sup> January 2018 to 12<sup>th</sup> January 2018.

*J. Karthikeyan*

Dr. J. Karthikeyan  
Head, Department of Chemistry

*X. Janet Sabina*

Ms. X. Janet Sabina  
Convener, CACCh-2018





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CHENNAI - 600119

## DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **ANUJA IRIN LAKRA**, Reg.no. **37030002**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the five day DST-SERB sponsored workshop and successfully completed the 30 hour Value added course on "CHALLENGES AND ADVANCES IN COMPUTATIONAL CHEMISTRY CACCh-2018" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 08<sup>th</sup> January 2018 to 12<sup>th</sup> January 2018.

*J. Karthikeyan*

Dr. J. Karthikeyan  
Department of Chemistry

*X. Janet Sabina*

Ms. X. Janet Sabina Head,  
Convener, CACCh-2018



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CHENNAI - 600119

## DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **KONDEPONGU DEVAIAH**,  
Reg.no. 37030006, Dept of chemistry, Sathyabama Institute of  
Science and Technology has participated in the five day DST-SERB  
sponsored workshop and successfully completed the 30 hour  
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Department of Chemistry, Sathyabama Institute of Science and  
Technology from 08<sup>th</sup> January 2018 to 12<sup>th</sup> January 2018.

*J. Karthikeyan*

Dr. J. Karthikeyan  
Head, Department of Chemistry

*X. Janet Sabina*

Ms. X. Janet Sabina  
Convener, CACCh-2018



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Declared as Category 'A' University by MHRD, Govt. of India  
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### 2017-18 Academic Year

| S.NO | Name of the value-added courses (with 30 or more contact hours) offered | Year of offering | No.of times offered during the same year | Duration of the course | Number of students enrolled in the year | Number Of Students completing the course in the year |
|------|-------------------------------------------------------------------------|------------------|------------------------------------------|------------------------|-----------------------------------------|------------------------------------------------------|
| 1    | IBM- Data Analytics                                                     | 22.8.2017        | 1                                        | 30                     | 45                                      | 41                                                   |
| 2    | IBM-Cyber Security                                                      | 22.8.2017        | 1                                        | 30                     | 68                                      | 65                                                   |
| 3    | Python Programming                                                      | 18.9.2017        | 1                                        | 30                     | 134                                     | 130                                                  |
| 4    | Data Science                                                            | 5.2.2018         | 1                                        | 30                     | 123                                     | 121                                                  |
| 5    | Data Acquisition in IoT                                                 | 19.2.2018        | 1                                        | 30                     | 81                                      | 78                                                   |



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**DEPARTMENT OF INFORMATION TECHNOLOGY  
ORGANIZES**

**DATA ANALYTICS  
TRAINING PROGRAM IN  
ASSOCIATION  
WITH IBM**

**Date**

**From: 22/08/2017**

**To: 25/10/2017**

**REGISTRATION LINK:**

**[shorturl.at/eBFR9](http://shorturl.at/eBFR9)**

**CONTACT:**

**Mr.Saravanan, Department of IT**



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119, India.



## Course Outcomes

IBM-Data Analytics

To impart knowledge on

- Exploring Big Data and Filtering Big Data
- To develop the map reduce framework and hadoop architecture
- To able use different business intelligence tools
- To learn about steam processing and SPL programming



## Course Contents

### Big Data Analytics

#### Week1

4Hrs

What Is Big Data, Volume, Velocity, and Variety; Why It's Important, Risks of Big Data, Need of Big Data, Structure of Big Data; Exploring Big Data, Filtering Big Data, The Need for Standards; Big Data and Analytics, Adoption Architecture, Benefits & Barriers, Trends for Big Data Analytics

#### Week2

4hrs

Hadoop Architecture, Hadoop File System(HDFS); HDFS Administration; Map/Reduce concepts; Setup of an Hadoop Cluster; Managing Job Execution; move data into Hadoop using Flume, Data Loading; Overview of work flow engine

#### Week3

4Hrs

Jaql basics, Jaql data types, Input/output with Jaql, working with operators and expressions, Use of Pig & Hive

#### Week4:

4Hrs

Hadoop Reporting and Analysis, Approaches to Big Data are porting and analysis, Big Data Access Technologies for Reporting and Analysis

#### Week5:

4Hrs

Business Intelligence and Hadoop Architecture, Direct Batch Reporting on Hadoop, Live Exploration of Big Data, Indirect Batch Analysis on Hadoop

#### Week6:

4Hrs

Analytics for Big Data at Rest & in Motion, Data Stream overview; Streams Processing Language Basics; Streams Processing Language Development; SPL Programming Introduction; Adapter Operators; Relational and Utility Operators.

#### Week7

4Hrs

The Journey Begins; Relational and Utility Operators (continued); Windowing and Joins; Punctuation, aggregation and Sorting

#### Week8:

4Hrs

Timing and Coordination; Lists, Sets, and Maps; Nodes and Partitions; Debugging; Adapters and Toolkits

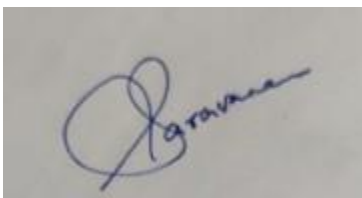


## List of Enrolled Students

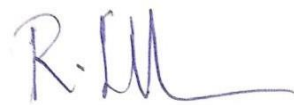
| S.No | Reg.No  | Roll.No  | Name                 | 22.08.17 | 08.09.17 | 19.09.17 | 24.09.17 | 16.10.17 | 25.10.17 |
|------|---------|----------|----------------------|----------|----------|----------|----------|----------|----------|
| 1    | 3612001 | 16SIT501 | ABHINANDAN KUMAR     | P        | P        | P        | P        | P        | P        |
| 2    | 3612002 | 16SIT947 | ABHISHEKOM AR        | P        | A        | P        | P        | P        | P        |
| 3    | 3612003 | 16SIT951 | ABINAYA.R            | P        | P        | P        | P        | P        | P        |
| 4    | 3612004 | 16SIT503 | ABISEK.K             | P        | P        | A        | P        | P        | P        |
| 5    | 3612005 | 16SIT584 | ADARSH               | P        | P        | P        | P        | A        | P        |
| 6    | 3612007 | 16SIT933 | AJAY.S               | P        | P        | P        | P        | P        | P        |
| 7    | 3612010 | 16SIT001 | AKASH.U              | P        | P        | P        | P        | P        | P        |
| 8    | 3612012 | 16SIT504 | AKHIL.K              | P        | P        | P        | A        | P        | P        |
| 9    | 3612013 | 16SIT929 | AKSHAYA.P            | P        | P        | P        | P        | P        | P        |
| 10   | 3612107 | 16SIT935 | KUMARSATYA M         | P        | P        | P        | P        | P        | P        |
| 11   | 3512001 | 15SIT102 | AATISHACYRI LL       | P        | P        | P        | P        | P        | P        |
| 12   | 3512003 | 15SIT801 | ABINAYA.K            | P        | P        | A        | P        | P        | P        |
| 13   | 3512004 | 15SIT103 | ABINAYABHA RATHI.A   | P        | P        | P        | P        | P        | P        |
| 14   | 3512005 | 15SIT951 | ABIRAMI.D            | P        | P        | P        | P        | P        | P        |
| 15   | 3512006 | 15SIT503 | ADITYARAJ            | P        | P        | P        | P        | P        | A        |
| 16   | 3512008 | 15SIT553 | AKHILESH.S           | P        | P        | P        | P        | P        | P        |
| 17   | 3512009 | 15SIT802 | AKILASRIMAT HI.P.T   | P        | P        | P        | P        | P        | P        |
| 18   | 3512010 | 15SIT104 | ALAMPALLYP RANIDEEP  | P        | P        | P        | P        | P        | P        |
| 19   | 3512012 | 15SIT952 | AMSAVALLI.P          | P        | A        | P        | P        | P        | P        |
| 20   | 3512013 | 15SIT505 | ANANTANAN D          | P        | P        | P        | P        | P        | P        |
| 21   | 3512014 | 15SIT506 | ANINDYAKAR CHOUDHURY | P        | P        | A        | P        | P        | P        |
| 22   | 3512015 | 15SIT828 | ANKITARAKS HIT       | P        | P        | P        | P        | P        | P        |
| 23   | 3512016 | 15SIT914 | ANTARADEBN ATH       | P        | A        | P        | P        | P        | P        |
| 24   | 3512020 | 15SIT966 | ASHWATHI. V          | P        | P        | P        | P        | P        | P        |
| 25   | 3512021 | 15SIT548 | AVINASHPRAJ APATI    | P        | P        | P        | P        | P        | P        |
| 26   | 3512022 | 15SIT803 | AYSHWARYA. S         | P        | A        | P        | P        | P        | P        |
| 27   | 3512023 | 15SIT107 | BABLOOKUMAR          | P        | P        | P        | P        | P        | P        |



|    |         |              |                                  |   |   |   |   |   |   |
|----|---------|--------------|----------------------------------|---|---|---|---|---|---|
| 28 | 3512024 | 15SIT155     | BALAMURUGAN.S                    | P | P | A | P | P | P |
| 29 | 3512025 | 15SIT508     | BALINAPRUD HVI                   | P | P | P | P | A | P |
| 30 | 3512026 | 15SIT139     | BANASURESH<br>KUMARREDDY         | P | P | P | P | P | P |
| 31 | 3512027 | 15SIT953     | BEAUTY                           | P | P | P | P | P | P |
| 32 | 3512028 | 15SIT108     | BETHALASONI YA                   | P | P | P | A | P | P |
| 33 | 3512030 | 15SIT543     | BINU.P                           | P | P | P | P | P | P |
| 34 | 3512031 | 15SIT109     | CHAGANTISRI<br>NIVAS             | P | P | P | P | P | P |
| 35 | 3512032 | 15SIT552     | CHALLASIVAS<br>AIKALYAN          | P | P | P | P | P | P |
| 36 | 3512033 | 15SIT112     | DEEPACHARJE E                    | P | P | A | P | P | P |
| 37 | 3512034 | 15SIT967     | DENISA.A                         | P | P | P | P | P | P |
| 38 | 3512035 | 15SIT555     | DESAI<br>SAIASRITH               | P | P | P | P | P | P |
| 39 | 3512036 | 15SIT51<br>1 | DEVARAJAN. K                     | P | P | P | P | P | A |
| 40 | 3512039 | 15SIT11<br>3 | DODDASAIKRIS<br>HNA              | P | P | P | P | P | P |
| 41 | 3512041 | 15SIT14<br>7 | GAJULAVENKA TA<br>PHANEENDRA     | P | P | P | P | P | P |
| 42 | 3512042 | 15SIT83<br>2 | GARIMA                           | P | P | P | P | P | P |
| 43 | 3512043 | 15SIT90<br>1 | GOBINATH.M                       | P | A | P | P | P | P |
| 44 | 3512049 | 15SIT51<br>3 | GUDURUSREEH ARI                  | P | P | P | P | P | P |
| 45 | 3512050 | 15SIT51<br>4 | GUNNAMVEER<br>AVENKATA<br>RAJESH | P | P | A | P | P | P |



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT



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**DEPARTMENT OF INFORMATION TECHNOLOGY  
ORGANIZES**

**CYBER SECURITY  
TRAINING PROGRAM IN  
ASSOCIATION  
WITH IBM**

**Date**

**From: 22/08/2017  
To: 25/10/2017**

**REGISTRATION LINK:**

**[shorturl.at/eBFR9](http://shorturl.at/eBFR9)**

**CONTACT:**

**Mrs.Vimali, Department of IT**





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## Course Outcomes

IBM-Cyber Security

To impart knowledge on

- Fundamentals of modern cryptography tools
- To develop the fame work for Intrusion Detection, Operating System Security Tools
- To develop the algorithm for data encryption and data erasure
- To learn to use tools for buffer overflow and SQL injection



## Course Contents

### Week1

4Hrs

Confidentiality, Integrity & Availability, what is Information Security? Identification and Authentication, Authorization and Access Control, Auditing and Accountability

### Week2

4Hrs

Modern Cryptography Tools, Protecting Data at rest, In motion, And In Use, Origins Of Operations Security, The Operations Security Process, Laws Of Operations Security, Operations Security in our Personal Lives

### Week3

4Hrs

Introduction, Physical Security Controls, Protecting People, Data and Equipment. Protecting Networks, Protecting Network Traffic. Network Security Tools

### Week4

4Hrs

Operating System Hardening, Protecting Against Malware, Software Firewalls and Host Intrusion Detection, Operating System Security Tools, Software Development Vulnerabilities, Web Security, Database Security, Application Security Tools.

### Week5

4Hrs

Change and Security Implications, System Models, Targets and Methods, Log Management, Data Aggregation and Reduction, Notifications and Reporting, Monitoring and Control Challenges, Auditing Standards, SAS 70 Audits, Sarbanes-Oxley, Addressing Multiple Regulations for Information Security Technical Frameworks for IT Audits, Intelligence and Compliance, Management and Governance.

### Week6

4Hrs

Introduction, Data breach, Identity Theft, Bank fraud Physical or Digital theft (Stolen laptops, removable media, impersonation), Malware, SQL Injection, Dumpster diving, Phishing and Pre - Phishing, Denial of Service attack, Social Engineering

### Week7

3Hrs

Introduction, Disk Encryption, Hardware based mechanisms for protecting data, Backups, Data masking, Data Erasure

### Week8

3Hrs

Input Validation - Buffer overflow; cross-site scripting; SQL injection; canonicalization, Sensitive information, Access sensitive data in storage; network eavesdropping; data tampering, Network eavesdropping; Brute force attack; dictionary attacks; cookie replay; credential theft, Elevation of privilege; disclosure of confidential data; data tampering; luring attacks; Phishing





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## List of Enrolled Students

| S.No | Reg.No  | Roll.No  | Name                        | 22.08.17 | 29.08.17 | 13.09.17 | 25.09.17 | 14.10.17 | 25.10.17 |
|------|---------|----------|-----------------------------|----------|----------|----------|----------|----------|----------|
| 1    | 3412003 | 14SIT164 | ADITYASHANKAR               | P        | P        | P        | P        | P        | P        |
| 2    | 3412004 | 14SIT175 | AJAYGUPTA                   | P        | A        | P        | P        | P        | P        |
| 3    | 3412009 | 14SIT618 | AKSHAYTIWARI                | P        | P        | P        | P        | P        | P        |
| 4    | 3412011 | 14SIT304 | AKSHAYAR                    | P        | P        | A        | P        | P        | P        |
| 5    | 3412013 | 14SIT632 | ANDENA SONIA                | P        | P        | P        | P        | A        | P        |
| 6    | 3412019 | 14SIT106 | ASHISHANAND                 | P        | P        | P        | P        | P        | P        |
| 7    | 3412023 | 14SIT637 | BADRI VISHALS               | P        | P        | P        | P        | P        | P        |
| 8    | 3412026 | 14SIT167 | BOTTADINESH                 | P        | P        | P        | A        | P        | P        |
| 9    | 3412031 | 14SIT610 | CHOWDAMSAI KIRAN            | P        | P        | P        | P        | P        | P        |
| 10   | 3412033 | 14SIT616 | DASARIRAKES H               | P        | P        | P        | P        | P        | P        |
| 11   | 3412034 | 14SIT309 | DEBALIKACHA TTERJEE         | P        | P        | P        | P        | P        | P        |
| 12   | 3412037 | 14SIT359 | DEEPSIKHASAH A              | P        | P        | A        | P        | P        | P        |
| 13   | 3412038 | 14SIT356 | DEVISINDUJAV                | P        | P        | P        | P        | P        | P        |
| 14   | 3412040 | 14SIT111 | DIVVELATHAR UN              | P        | P        | P        | P        | P        | P        |
| 15   | 3412041 | 14SIT617 | DIVYASHREER                 | P        | P        | P        | P        | P        | A        |
| 16   | 3412045 | 14SIT348 | EZHILPRIYA B                | P        | P        | P        | P        | P        | P        |
| 17   | 3412046 | 14SIT357 | GOWTHAMIG                   | P        | P        | P        | P        | P        | P        |
| 18   | 3412048 | 14SIT158 | GAJJALAVEER ASUDHAKARRE DDY | P        | P        | P        | P        | P        | P        |
| 19   | 3412050 | 14SIT312 | GANTAJWALA VIDYASREE        | P        | A        | P        | P        | P        | P        |
| 20   | 3412051 | 14SIT604 | GAYATHRIS                   | P        | P        | P        | P        | P        | P        |
| 21   | 3412052 | 14SIT355 | GAYATHRIS                   | P        | P        | A        | P        | P        | P        |
| 22   | 3412054 | 14SIT313 | GLADIALIDIAR ANJITHAMA      | P        | P        | P        | P        | A        | P        |
| 23   | 3412056 | 14SIT114 | GUNAAJOTHILI NGAMM          | P        | P        | P        | P        | P        | P        |
| 24   | 3412058 | 14SIT115 | GURUPRAKASH REDDYV          | P        | P        | P        | P        | P        | P        |
| 25   | 3412060 | 14SIT503 | HARISHKRISHN ANR            | P        | P        | P        | A        | P        | P        |
| 26   | 3412062 | 14SIT641 | KHEMANTHKU MAR              | P        | P        | P        | P        | P        | P        |
| 27   | 3412064 | 14SIT117 | JAGADISHH                   | P        | P        | P        | P        | P        | P        |
| 28   | 3412065 | 14SIT319 | JAITHOONNISH AA             | P        | P        | P        | P        | P        | P        |
| 29   | 3412067 | 14SIT119 | JEBASEBANAZ ERI B           | P        | P        | A        | P        | P        | P        |



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|    |         |          |                                       |   |   |   |   |   |   |
|----|---------|----------|---------------------------------------|---|---|---|---|---|---|
| 30 | 3412069 | 14SIT351 | JENIFAANNIEA                          | P | P | P | P | P | P |
| 31 | 3412070 | 14SIT352 | JENILAJOSMEJ                          | P | P | P | P | P | P |
| 32 | 3412072 | 14SIT145 | SHYAMPRAKAS<br>HREDDYK                | P | P | P | P | P | A |
| 33 | 3412073 | 14SIT342 | TEJASWINIK                            | P | P | P | P | P | P |
| 34 | 3412076 | 14SIT321 | KAZAYASHAS<br>WINIRAVISANK<br>AR      | P | P | P | P | P | P |
| 35 | 3412077 | 14SIT322 | KEERTHIV S                            | P | P | P | P | P | P |
| 36 | 3412078 | 14SIT638 | KEERTHIPATIV<br>ANDANA                | P | A | P | P | P | P |
| 37 | 3412079 | 14SIT323 | KELITAKATYLI N J<br>B                 | P | P | P | P | P | P |
| 38 | 3412080 | 14SIT122 | KHANAFZALAY<br>UB                     | P | P | A | P | P | P |
| 39 | 3412083 | 14SIT609 | KONDLEDIVYA<br>PRIYA                  | P | P | P | P | A | P |
| 40 | 3412086 | 14SIT634 | SESHAMANAS                            | P | P | P | P | P | P |
| 41 | 3412091 | 14SIT660 | GAYATHRIPRA<br>THYUSHALAKH<br>IMSETTY | P | P | P | P | P | P |
| 42 | 3412092 | 14SIT655 | LAKKIMSETTYJ<br>AGRUTHI HYMA          | P | P | P | A | P | P |
| 43 | 3412093 | 14SIT125 | LIJOJOY                               | P | P | P | P | P | P |
| 44 | 3412094 | 14SIT126 | LOKESHKUMA RB                         | P | P | P | P | P | P |
| 45 | 3412095 | 14SIT554 | MDAMIR                                | P | P | P | P | P | P |
| 46 | 3412096 | 14SIT144 | SANTHOSHM                             | P | P | A | P | P | P |
| 47 | 3412097 | 14SIT127 | MADHUMAYKU<br>MAR                     | P | P | P | P | P | P |
| 48 | 3412100 | 14SIT629 | MALEPATIGHA<br>NAMEGHANA              | P | P | P | P | P | P |
| 49 | 3412101 | 14SIT360 | KUSUMAKAVY<br>AMALLEMALA              | P | P | P | P | P | P |
| 50 | 3412102 | 14SIT553 | MANIMEGALAI S                         | P | A | P | P | P | P |
| 51 | 3412103 | 14SIT363 | MANNAMNIKIT<br>HA                     | P | P | P | P | P | P |
| 52 | 3412106 | 14SIT607 | MDSHAHZADA<br>LAM                     | P | P | A | P | P | P |



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|----|---------|----------|------------------------------------------------|---|---|---|---|---|---|
| 53 | 3412107 | 14SIT642 | MEHAN TAJ P                                    | P | P | P | P | A | P |
| 54 | 3412108 | 14SIT651 | MOHIT<br>KUMARSINGHA<br>L                      | P | P | P | P | P | P |
| 55 | 3412110 | 14SIT161 | MRIGANKSINH A                                  | P | P | P | P | P | P |
| 56 | 3412113 | 14SIT131 | NAIDUSANTOS<br>HKRISHNA<br>VENKATESHW<br>ARLOO | P | P | P | A | P | P |
| 57 | 3412114 | 14SIT644 | NALLALAKSH<br>MIMANJUSHA                       | P | P | P | P | P | P |
| 58 | 3412115 | 14SIT657 | NARJALANARA<br>SIMHULU                         | P | P | P | P | P | P |
| 59 | 3412116 | 14SIT326 | NARMATHAV                                      | P | P | P | P | P | P |
| 60 | 3412117 | 14SIT626 | VENKATALOKE<br>SHNARSEPALLI                    | P | P | A | P | P | P |
| 61 | 3612014 | 16SIT029 | ALDRINADOLP<br>HOUS                            | P | P | P | P | P | P |
| 62 | 3612017 | 16SIT942 | ALOKAGNIHOT RI                                 | P | P | P | P | P | P |
| 63 | 3612018 | 16SIT926 | AMANANAND                                      | P | P | P | P | P | A |
| 64 | 3612019 | 16SIT938 | AMIRTA.R                                       | P | P | P | P | P | P |
| 65 | 3612020 | 16SIT928 | AMITKUMARJH A                                  | P | P | P | P | P | P |
| 66 | 3612021 | 16SIT952 | ANANDH.B                                       | P | P | P | P | P | P |
| 67 | 3612022 | 16SIT505 | ANIRBANDATT A<br>ROY                           | P | A | P | P | P | P |
| 68 | 3612161 | 16SIT572 | SAKHAYADEEP<br>NATH                            | P | P | P | P | P | P |

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2016 – 2020 (Information Technology)

Batch & Department

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**DEPARTMENT OF INFORMATION TECHNOLOGY  
ORGANIZES**

# **TRAINING COURSE ON PYTHON PROGRAMMING**

**Date**

**From: 18/09/2017  
To: 11/11/2017**

**REGISTRATION LINK:**

**[shorturl.at/vwyAX](http://shorturl.at/vwyAX)**

**CONTACT:**

**Mrs.Gomathi  
Department of IT**





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## **Course Outcomes**

### **Python Programming**

- Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements.
- Express proficiency in the handling of strings and functions.
- Determine the methods to create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets.
- Identify the commonly used operations involving file systems and regular expressions.
- Articulate the Object-Oriented Programming concepts such as encapsulation, inheritance and polymorphism as used in Python



## **Course Contents:**

**Week1:** **4Hrs**

Program structure Environment Setup, Loops and Decision Making, Functions

**Week2:** **4Hrs**

Python Modules and Packages, Framework vs Packages, Folium Introduction, Importing modules

**Week3:** **4Hrs**

The import Statement, The from...import Statement, The from...import, Statement

**Week4:** **4Hrs**

Python GUI, Basic Operations using Tkinter, Buttons and Textbox

**Week5:** **4Hrs**

Menu Bar, Message Box and Radio Button, Check box and Event Creation

**Week6:** **4Hrs**

Creating Application in GUI, SQL and Python, Overview of SQLite, Integrating Python with SQLite

**Week7:** **3Hrs**

Advanced Concept–Overviews, Basics of Pandas and Numpy, how to use Anaconda

**Week8:** **3Hrs**

How to create dashboard, Overview of Django framework and its components



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### List of Enrolled Students

| S.No | Reg.No   | Roll.No  | Name                    | 18.09.17 | 29.08.17 | 09.10.17 | 18.10.17 | 31.10.17 | 11.11.17 |
|------|----------|----------|-------------------------|----------|----------|----------|----------|----------|----------|
| 1    | 37120001 | 17SIT535 | AAGASHT                 | P        | P        | P        | P        | P        | P        |
| 2    | 37120002 | 17SIT818 | ABHINASHKUMAR           | P        | A        | P        | P        | P        | P        |
| 3    | 37120003 | 17SIT536 | ABISHEKS                | P        | P        | P        | P        | P        | P        |
| 4    | 37120004 | 17SIT009 | AKASHRN                 | P        | P        | A        | P        | P        | P        |
| 5    | 37120005 | 17SIT501 | AKASSHP                 | P        | P        | P        | P        | A        | P        |
| 6    | 37120006 | 17SIT502 | AKSHAY ADITHR           | P        | P        | P        | P        | P        | P        |
| 7    | 37120007 | 17SIT018 | AKSHAYAV                | P        | P        | P        | P        | P        | P        |
| 8    | 37120008 | 17SIT503 | ANANDKUMARRANJAN        | P        | P        | P        | A        | P        | P        |
| 9    | 37120009 | 17SIT504 | ANIRUDHSRINIVASGN       | P        | P        | P        | P        | P        | P        |
| 10   | 37120010 | 17SIT901 | APARNAG                 | P        | P        | P        | P        | P        | P        |
| 11   | 37120011 | 17SIT533 | ASWINJRICHARDS          | P        | P        | P        | P        | P        | P        |
| 12   | 37120012 | 17SIT505 | BALAJI S                | P        | P        | A        | P        | P        | P        |
| 13   | 37120013 | 17SIT001 | BATHULASOWMYAREDDY      | P        | P        | P        | P        | P        | P        |
| 14   | 37120014 | 17SIT802 | BENSON JOELB            | P        | P        | P        | P        | P        | P        |
| 15   | 37120015 | 17SIT902 | BHARATHIR               | P        | P        | P        | P        | P        | A        |
| 16   | 37120016 | 17SIT002 | BURRI.JANAKIRAM REDDY   | P        | P        | P        | P        | P        | P        |
| 17   | 37120017 | 17SIT803 | CHRISTINASTEFFIF        | P        | P        | P        | P        | P        | P        |
| 18   | 37120018 | 17SIT921 | DANIELN                 | P        | P        | P        | P        | P        | P        |
| 19   | 37120019 | 17SIT813 | DEEBIKAS                | P        | A        | P        | P        | P        | P        |
| 20   | 37120020 | 17SIT817 | DEEPIKAM                | P        | P        | P        | P        | P        | P        |
| 21   | 37120021 | 17SIT903 | DEWASHISHKUMAR          | P        | P        | A        | P        | P        | P        |
| 22   | 37120022 | 17SIT816 | DHINESHKUMARY           | P        | P        | P        | P        | A        | P        |
| 23   | 37120023 | 17SIT506 | DINESHMANJUR            | P        | P        | P        | P        | P        | P        |
| 24   | 37120024 | 17SIT507 | DIVYABARATHIT           | P        | P        | P        | P        | P        | P        |
| 25   | 37120025 | 17SIT904 | DIVYA S                 | P        | P        | P        | A        | P        | P        |
| 26   | 37120026 | 17SIT003 | EMMANUELC HARLESS       | P        | P        | P        | P        | P        | P        |
| 27   | 37120027 | 17SIT905 | GAYATHRIK S             | P        | P        | P        | P        | P        | P        |
| 28   | 37120028 | 17SIT508 | HARISHM                 | P        | P        | P        | P        | P        | P        |
| 29   | 37120029 | 17SIT819 | HARSHGUPTA              | P        | P        | A        | P        | P        | P        |
| 30   | 37120030 | 17SIT814 | HIMANGSHURANJANCHANGMAI | P        | P        | P        | P        | P        | P        |



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|    |          |          |                                     |   |   |   |   |   |   |
|----|----------|----------|-------------------------------------|---|---|---|---|---|---|
| 31 | 37120031 | 17SIT509 | IMMANUELST<br>ANLEYS                | P | P | P | P | P | P |
| 32 | 37120032 | 17SIT510 | IYERPRIYAES<br>WARPADALEE<br>SWARAN | P | P | P | P | P | A |
| 33 | 37120033 | 17SIT534 | JAGANNATHA<br>NS                    | P | P | P | P | P | P |
| 34 | 37120034 | 17SIT532 | JAYARASIKAJ                         | P | P | P | P | P | P |
| 35 | 37120035 | 17SIT812 | JENILA J                            | P | P | P | P | P | P |
| 36 | 37120036 | 17SIT531 | JITHINABHISH<br>EKFERNANDO<br>J     | P | A | P | P | P | P |
| 37 | 37120037 | 17SIT811 | JONNALAGAD<br>DAGOUTHAM<br>KUMAR    | P | P | P | P | P | P |
| 38 | 37120038 | 17SIT511 | KARTHICKS                           | P | P | A | P | P | P |
| 39 | 37120039 | 17SIT512 | KAVIYA V                            | P | P | P | P | A | P |
| 40 | 37120040 | 17SIT906 | KEERTHIVASA<br>NE                   | P | P | P | P | P | P |
| 41 | 37120041 | 17SIT513 | KISHOREM M                          | P | P | P | P | P | P |
| 42 | 37120042 | 17SIT907 | LOGESWARAN<br>R                     | P | P | P | A | P | P |
| 43 | 37120043 | 17SIT514 | MADHUMITH<br>ACHANDRASE<br>KAR      | P | P | P | P | P | P |
| 44 | 37120044 | 17SIT005 | MOHAMEDAY<br>MANLATHEEF<br>M        | P | P | P | P | P | P |
| 45 | 37120045 | 17SIT006 | MOHAMEDMU<br>DASSIRSALEE<br>M       | P | P | P | P | P | P |
| 46 | 37120046 | 17SIT019 | MOHAMMAD<br>HABIBMEMON              | P | P | A | P | P | P |
| 47 | 37120047 | 17SIT805 | MOHAMMEDS<br>ALMAN                  | P | P | P | P | P | P |
| 48 | 37120048 | 17SIT908 | MOHANAPRIY<br>AR                    | P | P | P | P | P | P |
| 49 | 37120049 | 17SIT516 | MURUGADOSS<br>R                     | P | P | P | P | P | A |
| 50 | 37120050 | 17SIT909 | MUTHUMULA<br>SREELATHA              | P | P | P | P | P | P |
| 51 | 37120051 | 17SIT517 | NANDHITHAB                          | P | P | P | P | P | P |
| 52 | 37120052 | 17SIT518 | PADMASHRIR                          | P | P | P | P | P | P |
| 53 | 37120053 | 17SIT007 | PERNISAIASHI<br>K                   | P | A | P | P | P | P |
| 54 | 37120054 | 17SIT815 | POLISHETTYU<br>PENDHERRAO           | P | P | P | P | P | P |
| 55 | 37120055 | 17SIT008 | PRASHANTHI<br>NIHARIKAKAS<br>IREDDY | P | P | A | P | P | P |
| 56 | 37120056 | 17SIT519 | PUGAZHANTH<br>IR                    | P | P | P | P | A | P |
| 57 | 37120057 | 17SIT911 | RAMYAU                              | P | P | P | P | P | P |
| 58 | 37120058 | 17SIT806 | RAVIKUMARP                          | P | P | P | P | P | P |
| 59 | 37120059 | 17SIT520 | RENGANATHA<br>NC                    | P | P | P | A | P | P |



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|    |          |          |                                |   |   |   |   |   |   |
|----|----------|----------|--------------------------------|---|---|---|---|---|---|
| 60 | 37120060 | 17SIT521 | ROHITKUMART<br>IWARI           | P | P | P | P | P | P |
| 61 | 37120061 | 17SIT010 | ROHITHVAMA<br>KANTHAN          | P | P | P | P | P | P |
| 62 | 37120062 | 17SIT912 | SALMAN                         | P | P | P | P | P | P |
| 63 | 37120063 | 17SIT523 | SARANYASHR<br>EES              | P | P | A | P | P | P |
| 64 | 37120064 | 17SIT011 | SARAVANANS                     | P | P | P | P | P | P |
| 65 | 37120065 | 17SIT807 | SAYEDSAJID<br>ALI              | P | P | P | P | P | P |
| 66 | 37120066 | 17SIT913 | SELCIYA<br>NAYAGAMM            | P | P | P | P | P | A |
| 67 | 37120067 | 17SIT914 | SHALINIT                       | P | P | P | P | P | P |
| 68 | 37120068 | 17SIT102 | SHALINIS                       | P | P | P | P | P | P |
| 69 | 37120069 | 17SIT915 | SHANMUGAPR<br>IYANN            | P | P | P | P | P | P |
| 70 | 37120070 | 17SIT525 | SIVAKUMARG                     | P | A | P | P | P | P |
| 71 | 37120071 | 17SIT013 | SNEHAJ                         | P | P | P | P | P | P |
| 72 | 37120072 | 17SIT916 | SOWMIYA K                      | P | P | A | P | P | P |
| 73 | 37120073 | 17SIT917 | SOWNDHARY<br>AK                | P | P | P | P | A | P |
| 74 | 37120074 | 17SIT918 | SUBHIKSHAC                     | P | P | P | P | P | P |
| 75 | 37120075 | 17SIT527 | SUPRIYAS                       | P | P | P | P | P | P |
| 76 | 37120076 | 17SIT528 | SURUTHI M                      | P | P | P | A | P | P |
| 77 | 37120077 | 17SIT808 | SYEDMUBBAS<br>HIRNAJMUL        | P | P | P | P | P | P |
| 78 | 37120078 | 17SIT529 | THAMIZHARA<br>SIM              | P | P | P | P | P | P |
| 79 | 37120079 | 17SIT015 | VAISHNAVI D                    | P | P | P | P | P | P |
| 80 | 37120080 | 17SIT809 | VAJRAPUULL<br>AS               | P | P | A | P | P | P |
| 81 | 37120081 | 17SIT919 | VARSHAM                        | P | P | P | P | P | P |
| 82 | 37120082 | 17SIT810 | VEDHANAYA<br>KIR               | P | A | P | P | P | P |
| 83 | 37120083 | 17SIT014 | VEMANAAKHI<br>LNEERAJ          | P | P | P | P | P | P |
| 84 | 37120084 | 17SIT910 | VIJAY<br>VINAYAK R             | P | A | P | P | P | P |
| 85 | 37120085 | 17SIT016 | YALAMANCHI<br>LIVENKATAS<br>AI | P | P | P | P | P | P |
| 86 | 37120086 | 17SIT017 | YEECHURISA<br>NTHOSH           | P | P | A | P | P | P |
| 87 | 37120087 | 17SIT820 | DINESHKumar<br>A               | P | P | P | P | A | P |
| 88 | 3612024  | 16SIT506 | ANKIT<br>KUMAR                 | P | P | P | P | P | P |
| 89 | 3612025  | 16SIT944 | ANKITKUMAR<br>SINGH            | P | P | P | P | P | P |
| 90 | 3612027  | 16SIT565 | ANKITSINGH                     | P | A | P | P | P | P |
| 91 | 3612028  | 16SIT904 | ANTARIPABO<br>RAH              | P | P | P | P | P | P |
| 92 | 3612031  | 16SIT953 | ARCHANA. C                     | P | P | P | P | P | P |
| 93 | 3612033  | 16SIT583 | ARJUN.V                        | P | A | P | P | P | P |
| 94 | 3612035  | 16SIT803 | ASHILA.T                       | P | P | P | P | P | P |
| 95 | 3612036  | 16SIT929 | ASHUTOSHKU<br>MAR              | P | P | A | P | P | P |



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|     |         |          |                                    |   |   |   |   |   |   |
|-----|---------|----------|------------------------------------|---|---|---|---|---|---|
| 96  | 3612037 | 16SIT804 | AVISHA. I                          | P | P | P | P | A | P |
| 97  | 3612039 | 16SIT005 | AZARIAHJOH<br>N.K                  | P | P | P | P | P | P |
| 98  | 3612040 | 16SIT971 | BAASHWANT<br>HKUMAR.R              | P | P | P | P | P | P |
| 99  | 3612041 | 16SIT006 | BACHINA<br>SOURAV TEJA             | P | P | P | A | P | P |
| 100 | 3612042 | 16SIT007 | BANDISAIKU<br>MARREDDY             | P | P | P | P | P | P |
| 101 | 3612043 | 16SIT578 | BHURSE<br>BHISHANSURE<br>SH        | P | P | P | P | P | P |
| 102 | 3612044 | 16SIT805 | BHUVANESH<br>WARI. G               | P | P | P | P | P | P |
| 103 | 3612045 | 16SIT576 | BISWAJITSAH<br>U                   | P | P | A | P | P | P |
| 104 | 3612047 | 16SIT008 | BOPPANAKRIS<br>HNAPRASAD           | P | P | P | P | P | P |
| 105 | 3612049 | 16SIT806 | CHATURVEDU<br>LAANAGHAPR<br>AVEENA | P | P | P | P | P | P |
| 106 | 3612051 | 16SIT807 | CHINTAKUNT<br>AHARITHA             | P | P | P | P | P | A |
| 107 | 3612055 | 16SIT809 | DEEPIKA<br>MENON.S                 | P | P | P | P | P | P |
| 108 | 3612056 | 16SIT513 | DEVKUMAR                           | P | P | P | P | P | P |
| 109 | 3612058 | 16SIT514 | DINESHKUMA<br>R.G                  | P | P | P | P | P | P |
| 110 | 3612059 | 16SIT515 | DINESHKUMA<br>R.N                  | P | P | P | P | P | P |
| 111 | 3612061 | 16SIT009 | EDIGAKARTHI<br>KGOUD               | P | P | P | P | P | P |
| 112 | 3612062 | 16SIT831 | ELLAKKIYA.D                        | P | A | P | P | P | P |
| 113 | 3612065 | 16SIT518 | GAUTHAMSHE<br>KAR                  | P | P | P | P | P | P |
| 114 | 3612067 | 16SIT908 | GOKUL.R.S                          | P | P | A | P | P | P |
| 115 | 3612070 | 16SIT956 | GOPINATH.K                         | P | P | P | P | A | P |
| 116 | 3612075 | 16SIT955 | HANUMANTH<br>UGIRISHNAID<br>U      | P | P | P | P | P | P |
| 117 | 3612078 | 16SIT948 | HARSHRAJ                           | P | P | P | P | P | P |
| 118 | 3612083 | 16SIT812 | JASMINES                           | P | P | P | A | P | P |
| 119 | 3612084 | 16SIT525 | JAYASHREEJ                         | P | P | P | P | P | P |
| 120 | 3612085 | 16SIT028 | JAYASHREES                         | P | P | P | P | P | P |
| 121 | 3612086 | 16SIT924 | JEEVANATHJ                         | P | P | P | P | P | P |
| 122 | 3612087 | 16SIT566 | JITENDRAGUP<br>TA                  | P | P | A | P | P | P |
| 123 | 3612088 | 16SIT970 | JOTHI A                            | P | P | P | P | P | P |
| 124 | 3612090 | 16SIT813 | KANDIBHAVY<br>A                    | P | P | P | P | P | P |
| 125 | 3612092 | 16SIT960 | KASIREDDYL<br>ATHASRI              | P | P | P | P | P | A |
| 126 | 3612094 | 16SIT957 | KAVIARASIK                         | P | P | P | P | P | P |
| 127 | 3612095 | 16SIT958 | KAVIYA V                           | P | P | P | P | P | P |
| 128 | 3612097 | 16SIT828 | KEERTHANAI                         | P | P | P | P | P | P |



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|     |         |          |                                   |   |   |   |   |   |   |
|-----|---------|----------|-----------------------------------|---|---|---|---|---|---|
| 129 | 3612099 | 16SIT829 | KEERTHANAA<br>V                   | A | P | P | P | P | P |
| 130 | 3612100 | 16SIT560 | KEERTHIVAS<br>ANPUSHPARA<br>J     | P | P | P | P | P | P |
| 131 | 3612104 | 16SIT833 | KONAKANDL<br>ARAMAPRAN<br>AVI     | P | P | P | P | A | P |
| 132 | 3612106 | 16SIT531 | KULDEEPKUM<br>AR                  | P | P | A | P | P | P |
| 133 | 3612108 | 16SIT815 | LAKSHMIJAN<br>APRIYAMADD<br>UKURI | P | P | P | P | P | P |
| 134 | 3612153 | 16SIT964 | RESHMA.R                          | P | P | P | P | A | P |

SIGNATURE OF COURSE COORDINATOR

SIGNATURE OF HEAD OF THE DEPARTMENT





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## CERTIFICATE OF COMPLETION

This is to certify that

**JAYASHREE.S**

has attended and successfully completed the course on  
**Python Programming** conducted by Department of Information Technology,  
Sathyabama University from September 2017 to November 2017.

**Dr. R. Subhashini**  
HOD - Department of IT

**Dr. M Lakshmi**  
Dean - School of Computing



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## CERTIFICATE OF COMPLETION

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**Python Programming** conducted by Department of Information Technology,  
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HOD - Department of IT

**Dr. M. Lakshmi**  
Dean - School of Computing



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## CERTIFICATE OF COMPLETION

This is to certify that

**JASMINE**

has attended and successfully completed the course on  
**Python Programming** conducted by Department of Information Technology,  
Sathyabama University from September 2017 to November 2017.

**Dr. R. Subhashini**  
HOD - Department of IT

**Dr. M. Lakshmi**  
Dean - School of Computing



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## CERTIFICATE OF COMPLETION

This is to certify that

**HARSHRAJ**

has attended and successfully completed the course on  
**Python Programming** conducted by Department of Information Technology,  
Sathyabama University from September 2017 to November 2017.

**Dr. R. Subhashini**  
HOD - Department of IT

**Dr. M. Lakshmi**  
Dean - School of Computing



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Jeppiar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, India



## CERTIFICATE OF COMPLETION

This is to certify that

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# **SATHYABAMA**

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Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

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DEPARTMENT OF INFORMATION TECHNOLOGY  
ORGANIZES

## **TRAINING COURSE ON DATA SCIENCE**

### **Date**

From: 05/02/2018

To: 06/04/2018

### **REGISTRATION LINK:**

[shorturl.at/psxO9](http://shorturl.at/psxO9)

### **CONTACT:**

**Dr.Maria Anu**  
Department of IT



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## **Course Outcomes**

### Data Science

- Learn the fundamentals of python programming
- To develop the code for data visualization and data analysis using R programming
- To learn about Regression ,Anova and Correlation
- To learn about different visualization tools



## Course Contents

Data science

**Week1:** 4Hrs

Python Environment set-up, Jupyter overview, Python Numpy, Python P and a sand Python Matplotlib

**Week2:** 4Hrs

An introduction to R, Data structures in R, Data visualization with R and Data analysis with R

**Week3:** 4Hrs

Statistics: Important statistical concepts used in data science, Difference between population and sample, Types of variables, Measures of central tendency

**Week4:** 4Hrs

Measures of variability, Coefficient of variance and Skewness and Kurtosis

**Week5:** 4Hrs

Inferential statistics: Normal distribution. Test hypotheses, Central limit theorem, Confidence interval, T- test, Type I and II errors, Student's T distribution,

**Week6:** 4Hrs

Regression and A nova: Regression, A NOVA, R square and Correlation and causation

**Week7:** 3Hrs

Exploratory data analysis, Data visualization and Missing value analysis

**Week8:** 3Hrs

The correction matrix and Outlier detection analysis



**List of Enrolled Students**

| S.No | Reg.No  | Roll.No  | Name                                      | 05.02.18 | 19.02.18 | 29.02.18 | 12.02.18 | 20.03.18 | 06.04.18 |
|------|---------|----------|-------------------------------------------|----------|----------|----------|----------|----------|----------|
| 1    | 3512052 | 15SIT115 | IGUDURUPUS<br>HPA                         | P        | P        | P        | P        | P        | P        |
| 2    | 3512053 | 15SIT116 | IMMADISETTY<br>CHAITANYAK<br>UMAR         | P        | A        | P        | P        | P        | P        |
| 3    | 3512056 | 15SIT516 | JEFFREYVIVIA<br>NSAMUEL                   | P        | P        | P        | P        | P        | P        |
| 4    | 3512058 | 15SIT826 | JOSHININEHA.<br>K                         | P        | P        | A        | P        | P        | P        |
| 5    | 3512059 | 15SIT806 | JOYBLESSY.U                               | P        | P        | P        | P        | A        | P        |
| 6    | 3512060 | 15SIT518 | JOYSONMOSE<br>SSELVA<br>RAJANAYAGA<br>M.M | P        | P        | P        | P        | P        | P        |
| 7    | 3512061 | 15SIT807 | KAARTHIKHA<br>SUBHASRI. S                 | P        | P        | P        | P        | P        | P        |
| 8    | 3512062 | 15SIT118 | KALAGALAKS<br>HMISAMHITA                  | P        | P        | P        | A        | P        | P        |
| 9    | 3512064 | 15SIT550 | KALLURUPAV<br>ANKUMAR<br>REDDY            | P        | P        | P        | P        | P        | P        |
| 10   | 3512065 | 15SIT955 | KANIMOZHI.R                               | P        | P        | P        | P        | P        | P        |
| 11   | 3512068 | 15SIT520 | KARTHIK. S                                | P        | P        | P        | P        | P        | P        |
| 12   | 3512069 | 15SIT119 | KASETTYSHA<br>BARISH                      | P        | P        | A        | P        | P        | P        |
| 13   | 3512070 | 15SIT521 | KAUSHIKPRA<br>BHU                         | P        | P        | P        | P        | P        | P        |
| 14   | 3512071 | 15SIT808 | KEERTHANA.P                               | P        | P        | P        | P        | P        | P        |
| 15   | 3512072 | 15SIT902 | KEERTHANA.<br>V                           | P        | P        | P        | P        | P        | A        |
| 16   | 3512073 | 15SIT956 | KEERTHI.A.R                               | P        | P        | P        | P        | P        | P        |
| 17   | 3512074 | 15SIT809 | KEERTHIKA.M                               | P        | P        | P        | P        | P        | P        |
| 18   | 3512075 | 15SIT522 | KODURUSRAV<br>ANKUMAR                     | P        | P        | P        | P        | P        | P        |
| 19   | 3512077 | 15SIT907 | KOUSALYA.L                                | P        | A        | P        | P        | P        | P        |
| 20   | 3512078 | 15SIT120 | KSHITIJCHOU<br>DHARY                      | P        | P        | P        | P        | P        | P        |
| 21   | 3512079 | 15SIT811 | LIDIA VIOLET.<br>A                        | P        | P        | A        | P        | P        | P        |
| 22   | 3512080 | 15SIT128 | MANEESHA.P                                | P        | P        | P        | P        | A        | P        |
| 23   | 3512081 | 15SIT524 | MANIVASAKA<br>N. S                        | P        | P        | P        | P        | P        | P        |
| 24   | 3512082 | 15SIT913 | MARIA<br>BERNADETTE.<br>F                 | P        | P        | P        | P        | P        | P        |
| 25   | 3512083 | 15SIT121 | MARIAVISHAL<br>I.P                        | P        | P        | P        | A        | P        | P        |
| 26   | 3512084 | 15SIT957 | MARIAMMALS<br>ONIYA.M                     | P        | P        | P        | P        | P        | P        |
| 27   | 3512085 | 15SIT122 | MARIYACHRIS<br>TEENAVINITH<br>A.K         | P        | P        | P        | P        | P        | P        |





|    |         |          |                               |   |   |   |   |   |   |
|----|---------|----------|-------------------------------|---|---|---|---|---|---|
| 28 | 3512086 | 15SIT101 | MARYBENI<br>RESHMA.A.B        | P | A | P | P | P | P |
| 29 | 3512087 | 15SIT525 | MEKABHANU<br>PRAKASHRED<br>DY | P | P | P | P | P | P |
| 30 | 3512088 | 15SIT958 | MOHAMEDSH<br>EIKDAWOOD.<br>M  | P | P | A | P | P | P |
| 31 | 3512089 | 15SIT123 | MOHAMMEDT<br>HOUSEEF.D        | P | P | P | P | A | P |
| 32 | 3512090 | 15SIT959 | MOHANA. S                     | P | P | P | P | P | P |
| 33 | 3512091 | 15SIT549 | MOHIT<br>ANAND                | P | P | P | P | P | P |
| 34 | 3512092 | 15SIT527 | MOHITRAJ                      | P | P | P | P | P | P |
| 35 | 3512093 | 15SIT812 | MONICA.V                      | P | A | P | P | P | P |
| 36 | 3512097 | 15SIT911 | MYLAPALLEY<br>ESHWANTH        | P | P | P | P | P | P |
| 37 | 3512099 | 15SIT125 | NAGESHBHAR<br>TI              | P | P | A | P | P | P |
| 38 | 3512102 | 15SIT813 | NASRIENREJE<br>E.W.H          | P | P | P | P | A | P |
| 39 | 3512103 | 15SIT127 | NEVEGEETHA.<br>R              | P | P | P | P | P | P |
| 40 | 3512104 | 15SIT544 | NILESHKUMA<br>R               | P | P | P | P | P | P |
| 41 | 3512105 | 15SIT129 | PALLARATNA<br>SAIKUMAR        | P | P | P | A | P | P |
| 42 | 3512106 | 15SIT130 | PENUGONDAO<br>BIREDDY         | P | P | P | P | P | P |
| 43 | 3512107 | 15SIT960 | PERUMA.C                      | P | P | P | P | P | P |
| 44 | 3512108 | 15SIT814 | POOJAAUMAY<br>AL.AL           | P | P | P | P | P | P |
| 45 | 3512109 | 15SIT961 | PRABAVATHY<br>.S              | P | P | A | P | P | P |
| 46 | 3512110 | 15SIT131 | PRATIKSHARA<br>SHMI           | P | P | P | P | P | P |
| 47 | 3512113 | 15SIT815 | PRINCYPOOJA.<br>A             | P | P | P | P | P | P |
| 48 | 3512114 | 15SIT132 | PRIYASINHA                    | P | P | P | P | P | A |
| 49 | 3512115 | 15SIT962 | PRIYA.V                       | P | P | P | P | P | P |
| 50 | 3512116 | 15SIT816 | PRIYADHARS<br>HINI.J          | P | P | P | P | P | P |
| 51 | 3512117 | 15SIT817 | RACHERLASAI<br>MADHUMITH<br>A | P | P | P | P | P | P |
| 52 | 3512118 | 15SIT133 | RAHULKUMA<br>R                | P | A | P | P | P | P |
| 53 | 3512119 | 15SIT153 | RAMANAVISH<br>NUSAI REDDY     | P | P | P | P | P | P |
| 54 | 3512120 | 15SIT818 | RAMYA.M                       | P | P | A | P | P | P |
| 55 | 3512122 | 15SIT134 | RAVURIMANO<br>JKUMAR          | P | P | P | P | A | P |
| 56 | 3512124 | 15SIT824 | REETHIKA.R                    | P | P | P | P | P | P |
| 57 | 3512125 | 15SIT819 | REVAA.M                       | P | P | P | P | P | P |
| 58 | 3512126 | 15SIT542 | RISHAVKUMA<br>R               | P | P | P | A | P | P |
| 59 | 3512127 | 15SIT534 | RISHIKUMAR.<br>S              | P | P | P | P | P | P |
| 60 | 3512129 | 15SIT152 | SAIVENKATES<br>H.M            | P | P | P | P | P | P |



|    |         |          |                                                        |   |   |   |   |   |   |
|----|---------|----------|--------------------------------------------------------|---|---|---|---|---|---|
| 61 | 3512130 | 15SIT963 | SAJALARORA                                             | P | A | P | P | P | P |
| 62 | 3512131 | 15SIT909 | SAMREEN.G.N                                            | P | P | P | P | P | P |
| 63 | 3512132 | 15SIT905 | SANASAI PRAS<br>ANKUMAR                                | P | P | A | P | P | P |
| 64 | 3512133 | 15SIT964 | SANDHIYA.M                                             | P | P | P | P | A | P |
| 65 | 3512134 | 15SIT136 | SANTHIYA.K                                             | P | P | P | P | P | P |
| 66 | 3512135 | 15SIT117 | SARVEPALLI<br>AAHNAVI                                  | P | P | P | P | P | P |
| 67 | 3512136 | 15SIT919 | SHAIKARIFPA<br>SHA.S                                   | P | P | P | P | P | P |
| 68 | 3512137 | 15SIT137 | SHAILESHKU<br>MAR                                      | P | A | P | P | P | P |
| 69 | 3512138 | 15SIT138 | SHOMYASHRI<br>STI                                      | P | P | P | P | P | P |
| 70 | 3512139 | 15SIT829 | SHRISTIKARD<br>ATE                                     | P | P | A | P | P | P |
| 71 | 3612112 | 16SIT816 | MAHALAKSH<br>MIN                                       | P | P | P | P | A | P |
| 72 | 3612114 | 16SIT534 | MANISHKUMA<br>RYADAV                                   | P | P | P | P | P | P |
| 73 | 3612115 | 16SIT575 | MDARSALAN<br>ABID                                      | P | P | P | P | P | P |
| 74 | 3612117 | 16SIT961 | MENAGAP                                                | P | P | P | A | P | P |
| 75 | 3612119 | 16SIT817 | MONISHAC                                               | P | P | P | P | P | P |
| 76 | 3612121 | 16SIT535 | MURTAZAM                                               | P | P | P | P | P | P |
| 77 | 3612123 | 16SIT536 | NAIDUCHIRA<br>NJEEVI<br>KRISHNA<br>VENKATESHW<br>ARLOO | P | P | P | P | P | P |
| 78 | 3612125 | 16SIT818 | NANDHINIR                                              | P | P | A | P | P | P |
| 79 | 3612130 | 16SIT962 | PAULINEJOYC<br>EZACD                                   | P | P | P | P | P | P |
| 80 | 3612129 | 16SIT821 | NIRANJANIR                                             | P | P | P | P | P | P |
| 81 | 3612133 | 16SIT963 | POORNIMAM                                              | P | P | P | P | P | A |
| 82 | 3612134 | 16SIT939 | PRABHAT<br>SAHU                                        | P | P | P | P | P | P |
| 83 | 3612137 | 16SIT538 | PRANAYKUM<br>AR                                        | P | P | P | P | P | P |
| 84 | 3612138 | 16SIT539 | PRARTHANAP<br>ARAMESHWA<br>RI<br>RAMANATHA<br>N        | P | P | P | P | P | P |
| 85 | 3612139 | 16SIT016 | PRASANJEETD<br>AS                                      | P | A | P | P | P | P |
| 86 | 3612142 | 16SIT943 | PRAVEENA V                                             | P | P | P | P | P | P |
| 87 | 3612145 | 16SIT832 | RAASHIKA. K                                            | P | P | A | P | P | P |
| 88 | 3612148 | 16SIT923 | RAHUL RAJ.B                                            | P | P | P | P | A | P |
| 89 | 3612150 | 16SIT581 | RAUNAKKUM<br>ARSINGH                                   | P | P | P | P | P | P |
| 90 | 3612152 | 16SIT542 | REGAN.G                                                | P | P | P | P | P | P |
| 91 | 3612153 | 16SIT964 | RESHMA.R                                               | P | P | P | P | P | P |
| 92 | 3612154 | 16SIT965 | RISHUKUMAR<br>I                                        | P | A | P | P | P | P |
| 93 | 3612155 | 16SIT543 | ROOBAVIGNE<br>SH. M                                    | P | P | P | P | P | P |



|     |         |          |                                   |   |   |   |   |   |   |
|-----|---------|----------|-----------------------------------|---|---|---|---|---|---|
| 94  | 3612157 | 16SIT567 | RUDRARAJGO SWAMI                  | P | P | A | P | P | P |
| 95  | 3612159 | 16SIT025 | SAIVAMSIKRI SHNACHIRAL A.V.S      | P | P | P | P | A | P |
| 96  | 3612162 | 16SIT544 | SAKTHIVEL. E                      | P | P | P | P | P | P |
| 97  | 3612164 | 16SIT545 | SANJUKUMAR                        | P | P | P | P | P | P |
| 98  | 3612165 | 16SIT966 | SANTHANALA KSHMI.S                | P | P | P | A | P | P |
| 99  | 3612166 | 16SIT020 | SARAVANAN. V                      | P | P | P | P | P | P |
| 100 | 3612168 | 16SIT546 | SAWANKUMAR                        | P | P | P | P | P | P |
| 101 | 3612169 | 16SIT547 | SEMRAJKUMAR                       | P | P | P | P | P | P |
| 102 | 3612172 | 16SIT021 | SHREEMI SINGH                     | P | P | A | P | P | P |
| 103 | 3612173 | 16SIT561 | SHRINATHNIM ARE                   | P | P | P | P | P | P |
| 104 | 3612174 | 16SIT822 | SHRUTHI.R                         | P | P | P | P | P | P |
| 105 | 3612176 | 16SIT967 | SHWETHA.M                         | P | P | P | P | P | A |
| 106 | 3612178 | 16SIT564 | SNEHILSINGH                       | P | P | P | P | P | P |
| 107 | 3612182 | 16SIT901 | SRUNGARAPU VENKATA SAI KARTHIKEYA | P | P | P | P | P | P |
| 108 | 3612183 | 16SIT549 | STEPHEN.K                         | P | P | P | P | P | P |
| 109 | 3612185 | 16SIT945 | SHUBHAMKUMAR                      | P | A | P | P | P | P |
| 110 | 3612186 | 16SIT551 | SUPRIYAMAN DAL                    | P | P | P | P | P | P |
| 111 | 3412118 | 14SIT646 | NAVYA U                           | P | P | A | P | P | P |
| 112 | 3412121 | 14SIT132 | NIROSHM                           | P | P | P | P | A | P |
| 113 | 3412122 | 14SIT601 | NIROSHMARAJN                      | P | P | P | P | P | P |
| 114 | 3412123 | 14SIT659 | NIVEDHAP                          | P | P | P | P | P | P |
| 115 | 3412124 | 14SIT502 | NIVEDHAS                          | P | P | P | A | P | P |
| 116 | 3412125 | 14SIT153 | VENKATARAMANP                     | P | P | P | P | P | P |
| 117 | 3412126 | 14SIT612 | PANYAMNIK HILREDDY                | P | P | P | P | P | P |
| 118 | 3412127 | 14SIT327 | PINAPAKAHA RIMANASAP              | P | A | P | P | P | P |
| 119 | 3412128 | 14SIT133 | PINNENTIYAS WANTH                 | P | P | P | P | P | P |
| 120 | 3412129 | 14SIT619 | POTLURI VEERAVENKATA HYMAVATHI    | P | P | A | P | P | P |
| 121 | 3412130 | 14SIT134 | PRABHUDAYALSINGH                  | P | P | P | P | A | P |
| 122 | 3412132 | 14SIT135 | PRASHANTKUMAR                     | P | P | P | P | P | P |
| 123 | 3412133 | 14SIT328 | PREETHI K                         | P | P | P | P | P | P |

A handwritten signature in blue ink, appearing to read "Mariatu", written on a light-colored background.

SIGNATURE OF COURSE COORDINATOR

A handwritten signature in blue ink, appearing to read "R. M.", written on a light-colored background.

SIGNATURE OF HEAD OF THE DEPARTMENT



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**RAMANAVISHNUSAI REDDY**

has attended and successfully completed the course on

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from February 2018 to April 2018.

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DR. M LAKSHMI  
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This is to certify that

**NASRIENREJEE.W.H**

has attended and successfully completed the course on

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This is to certify that

**NAGESHBHARTI**

has attended and successfully completed the course on

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## CERTIFICATE OF COMPLETION

This is to certify that

**MYLAPALLEYESHWANTH**

has attended and successfully completed the course on

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HOD - Department of IT

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## CERTIFICATE OF COMPLETION

This is to certify that

**MONICA.V**

has attended and successfully completed the course on

**Data Science** conducted by Department of Information Technology

from February 2018 to April 2018.

DR. R. SUBHASHINI  
HOD - Department of IT

DR. M LAKSHMI  
Dean - School of Computing



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**MOHITRAJ**

has attended and successfully completed the course on

**Data Science** conducted by Department of Information Technology

from February 2018 to April 2018.

DR. R. SUBHASHINI  
HOD - Department of IT

DR. M LAKSHMI  
Dean - School of Computing



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DEPARTMENT OF INFORMATION TECHNOLOGY  
ORGANIZES

# TRAINING COURSE ON DATA ACQUISITION IN IOT

**Date**

**From: 19/02/2018**

**To: 20/04/2018**

**REGISTRATION LINK:**

**[shorturl.at/ghsN3](http://shorturl.at/ghsN3)**

**CONTACT:**

**Dr.Revathy**  
**Department of IT**



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## **Course Outcomes**

### Data Acquisition in IoT

- Learn the basics of electronics and sensors.
- Learn how to prototype circuits with a breadboard
- Learn the Arduino programming language and IDE
- Learn the Raspberry pi pins and Raspbian OS
- Build the prototype in washmote platform.
- Build the projects for real world applications.



## **Course Contents:**

### **Week1:**

**4Hrs**

Brief Introduction of IOT, IOT components, Architecture and Classifications

### **Week2:**

**4Hrs**

Microcontroller Fundamentals, Introduction to Arduino Microcontroller, Working on Arduino IDE, Learning basics of sketch programming

### **Week3:**

**4Hrs**

Introduction LED based programming and Condition based LED programming using Arduino

### **Week4:**

**4Hrs**

Working with 16X2 LCD display, Adding LCD Library to IDE

### **Week5:**

**4Hrs**

Working with 7 segment display, Adding 7 segment display library

### **Week6:**

**4Hrs**

Demonstrating PIR Motion Sensor, IR sensor, Flame Sensor, Demonstrating Gas Sensor, Temperature Sensor

### **Week7:**

**3 Hrs**

Understanding networks LAN/WAN basics, IP Addressing Scheme, Introduction to Bluetooth Device (HC-05), 2switchrelays

### **Week8:**

**3Hrs**

Working with Microcontroller Wi-Fi Device (Node MCU)-ESP8266, Introduction to cloud computing, Sign in-Ada fruit IO, Using Node MCU(ESP8266) module sending data to cloud server



### List of Enrolled Students

| S.No | Reg.No  | Roll.No  | Name                                         | 19.02.18 | 05.03.18 | 12.03.18 | 22.03.18 | 11.04.18 | 20.04.18 |
|------|---------|----------|----------------------------------------------|----------|----------|----------|----------|----------|----------|
| 1    | 3512140 | 15SIT536 | SHASHANKSO NI                                | P        | P        | P        | P        | P        | P        |
| 2    | 3512141 | 15SIT912 | SINDHU. K                                    | P        | A        | P        | P        | P        | P        |
| 3    | 3512143 | 15SIT825 | SOWMIYA.G                                    | P        | P        | P        | P        | P        | P        |
| 4    | 3512144 | 15SIT831 | SRIJANANI. B                                 | P        | P        | A        | P        | P        | P        |
| 5    | 3512145 | 15SIT537 | SUGUMARAN. B                                 | P        | P        | P        | P        | A        | P        |
| 6    | 3512146 | 15SIT965 | SUNDHARI. G                                  | P        | P        | P        | P        | P        | P        |
| 7    | 3512147 | 15SIT556 | SUNKARASAI<br>NATH                           | P        | P        | P        | P        | P        | P        |
| 8    | 3512149 | 15SIT821 | SURUTHI.S                                    | P        | P        | P        | A        | P        | P        |
| 9    | 3512151 | 15SIT154 | TIMMASAMU<br>DRAMYAGNA<br>SRISAMHITA         | P        | P        | P        | P        | P        | P        |
| 10   | 3512153 | 15SIT822 | VAKULA.C.K                                   | P        | P        | P        | P        | P        | P        |
| 11   | 3512156 | 15SIT143 | VATTIKUTISAI<br>BALAJI                       | P        | P        | P        | P        | P        | P        |
| 12   | 3512157 | 15SIT144 | VEDULLAPOO<br>RNACHANDR<br>AGANESHPRA<br>SAD | P        | P        | A        | P        | P        | P        |
| 13   | 3512158 | 15SIT145 | VEDULLAPAL<br>LILOKESHCHA<br>NDRA            | P        | P        | P        | P        | P        | P        |
| 14   | 3512160 | 15SIT148 | VENKATASAI<br>AMPATHNAD<br>AKUDITI           | P        | P        | P        | P        | P        | P        |
| 15   | 3512162 | 15SIT149 | VISHALI.S                                    | P        | P        | P        | P        | P        | A        |
| 16   | 3512104 | 15SIT544 | NILESHKUMA R                                 | P        | P        | P        | P        | P        | P        |
| 17   | 3612190 | 16SIT032 | SYEDAARIFSU<br>HAIBQADRI                     | P        | P        | P        | P        | P        | P        |
| 18   | 3612191 | 16SIT824 | TAMILBHARA<br>THI.R                          | P        | P        | P        | P        | P        | P        |
| 19   | 3612192 | 16SIT031 | THORATISRINI<br>VASMANIKANTA                 | P        | A        | P        | P        | P        | P        |
| 20   | 3612194 | 16SIT562 | UDAYANCHO<br>UDHURY                          | P        | P        | P        | P        | P        | P        |
| 21   | 3612197 | 16SIT916 | VEERABOMM<br>ASAIRITHIKA                     | P        | P        | A        | P        | P        | P        |
| 22   | 3612198 | 16SIT825 | VEMULATSLV<br>DURGAPRATH<br>YUSHA            | P        | P        | P        | P        | A        | P        |
| 23   | 3612200 | 16SIT922 | VIKRAMKUM<br>ARMEHTA                         | P        | P        | P        | P        | P        | P        |
| 24   | 3612201 | 16SIT555 | VINOTH.R                                     | P        | P        | P        | P        | P        | P        |



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|    |         |           |                       |   |   |   |   |   |   |
|----|---------|-----------|-----------------------|---|---|---|---|---|---|
| 25 | 3612202 | 16SIT968  | VINOTHINI.R           | P | P | P | A | P | P |
| 26 | 3612203 | 16SIT969  | VISHALINI.J           | P | P | P | P | P | P |
| 27 | 3612204 | 16SIT826  | VISHWAPRIYA .S        | P | P | P | P | P | P |
| 28 | 3612205 | 16SIT026  | VUDUMSHIVA KRISHNA    | P | A | P | P | P | P |
| 29 | 3612206 | 16SIT556  | VUPPALANCH USAIKUMAR  | P | P | P | P | P | P |
| 30 | 3612212 | 16SIT827  | ROSLINKANU SHYA       | P | P | A | P | P | P |
| 31 | 3612213 | 16SIT837  | INFANT PHILORAJULA. B | P | P | P | P | A | P |
| 32 | 3612214 | 16SIT838  | MEENAKSHI.A           | P | P | P | P | P | P |
| 33 | 3612801 | 17SLIT701 | DURAINIVETH AN.MA     | P | P | P | P | P | P |
| 34 | 3412135 | 14SIT329  | PRINCY M              | P | P | P | P | P | P |
| 35 | 3412136 | 14SIT652  | PRIYANKAGU PTA        | P | A | P | P | P | P |
| 36 | 3412137 | 14SIT330  | PRIYANKAS             | P | P | P | P | P | P |
| 37 | 3412138 | 14SIT656  | PULAPUJITHA           | P | P | A | P | P | P |
| 38 | 3412140 | 14SIT331  | PUTCHALAKR ISHNAPRIYA | P | P | P | P | A | P |
| 39 | 3412142 | 14SIT350  | SUSHMITHAR            | P | P | P | P | P | P |
| 40 | 3412144 | 14SIT137  | RAHULKUMA RR          | P | P | P | P | P | P |
| 41 | 3412145 | 14SIT353  | RAJAISMITHA E         | P | P | P | P | P | P |
| 42 | 3412147 | 14SIT505  | RAJAPRABHA R          | P | A | P | P | P | P |
| 43 | 3412151 | 14SIT624  | RANAJITPATE L         | P | P | P | P | P | P |
| 44 | 3412152 | 14SIT302  | RANJI ADISHWARI VEER  | P | P | A | P | P | P |
| 45 | 3412153 | 14SIT333  | RASHIKAJ              | P | P | P | P | A | P |
| 46 | 3412156 | 14SIT141  | REDDYMOHIT            | P | P | P | P | P | P |
| 47 | 3412157 | 14SIT623  | REDNAMSAIR AMDHILIP   | P | P | P | P | P | P |
| 48 | 3412158 | 14SIT648  | REPALLEVAM SIKRISHNA  | P | A | P | P | P | P |
| 49 | 3412159 | 14SIT358  | RESHMIPAUL            | P | P | P | P | P | P |
| 50 | 3412161 | 14SIT654  | ROOPINIJ              | P | A | P | P | P | P |
| 51 | 3412162 | 14SIT334  | SADASIVUNIA NITHA     | P | P | P | P | P | P |
| 52 | 3412163 | 14SIT366  | SAFINA R              | P | P | A | P | P | P |
| 53 | 3412164 | 14SIT622  | SAGARSINHA            | P | P | P | P | A | P |
| 54 | 3412165 | 14SIT631  | SAI ABHILASHY         | P | P | P | P | P | P |
| 55 | 3412169 | 14SIT508  | SARATHCN              | P | P | P | P | P | P |
| 56 | 3412170 | 14SIT625  | SAUMYASUM AN          | P | P | P | A | P | P |



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|    |         |           |                               |   |   |   |   |   |   |
|----|---------|-----------|-------------------------------|---|---|---|---|---|---|
| 57 | 3412171 | 14SIT647  | SAVARAMNA GARJUNA             | P | P | P | P | P | P |
| 58 | 3412172 | 14SIT165  | SEELAMPUNIT SAI               | P | P | P | P | P | P |
| 59 | 3412174 | 14SIT349  | SHEFALIYADA V                 | P | P | P | P | P | P |
| 60 | 3412176 | 14SIT658  | SHRISTISONA L                 | P | P | A | P | P | P |
| 61 | 3412177 | 14SIT621  | SHUBHAMME LVINFELIX           | P | P | P | P | P | P |
| 62 | 3412181 | 14SIT338  | SPRIHA                        | P | P | P | P | P | P |
| 63 | 3412183 | 14SIT339  | SUGANYAR                      | P | P | P | P | P | A |
| 64 | 3412184 | 14SIT149  | SULTHANMN                     | P | P | P | P | P | P |
| 65 | 3412185 | 14SIT509  | SUMERKUMA R                   | P | P | P | P | P | P |
| 66 | 3412186 | 14SIT555  | SUMIT                         | P | P | P | P | P | P |
| 67 | 3412188 | 14SIT650  | SUNKUSRINA TH                 | P | A | P | P | P | P |
| 68 | 3412189 | 14SIT150  | SURENDARG                     | P | P | P | P | P | P |
| 69 | 3412190 | 14SIT340  | SUSHMITHAK                    | P | P | A | P | P | P |
| 70 | 3412191 | 14SIT354  | SWATHIK                       | P | P | P | P | A | P |
| 71 | 3412192 | 14SIT341  | SWETHAB                       | P | P | P | P | P | P |
| 72 | 3412194 | 14SIT630  | THIRUMALAS ETTIVENKAIA HNAIDU | P | P | P | P | P | P |
| 73 | 3412195 | 14SIT602  | THUMMAAKH ILANURAGRE DDY      | P | P | P | A | P | P |
| 74 | 3412196 | 14SIT639  | THUPAKULAP REMKUMAR           | P | P | P | P | P | P |
| 75 | 3412198 | 14SIT343  | VAISHALIM                     | P | P | P | P | P | P |
| 76 | 3412199 | 14SIT344  | VAISHNAVI G                   | P | A | P | P | P | P |
| 77 | 3412201 | 14SIT345  | VALLIKKANN UMEYAMMAI          | P | P | P | P | P | P |
| 78 | 3412204 | 14SIT154  | VOLETISAI SU BRAMANYAS ANTOSH | P | P | A | P | P | P |
| 79 | 3412205 | 14SIT633  | MOONIKAVUN GARALA             | P | P | P | P | A | P |
| 80 | 3412208 | 14SIT347  | YASHVANTHI B                  | P | P | P | P | P | P |
| 81 | 3412701 | 15SLIT502 | Selvi.G                       | P | P | P | P | P | P |

SIGNATURE OF COURSE COORDINATOR

SIGNATURE OF HEAD OF THE DEPARTMENT



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