




## St. Johns College of Engineering & Technology

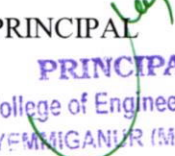
Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR

Date: 10.01.2022

All the IV-B.Tech Students are hereby informed that the Department of Computer Science and Engineering, SJCTET is conducting a Certificate program on “**Artificial Intelligence: Implications for Business Strategy**”. The program will held from 17.01.2022-03.02.2022 under the coordination of **Mr. T. Abdul Raheem**, Assistant Professor of the CSE department. Interested candidates can enroll their names on or before 15.01.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
IOAC  
**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
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Yerrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P.

  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

Date: 15.01.2022

## Day-Wise-Schedule

Name of the Program: Certificate Program on “Artificial Intelligence: Implications for Business Strategy”

Academic Year: 2021-2022

Program Duration: 17.01.2022-03.02.2022

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 17.01.2022 | An introduction to artificial intelligence                 |
| 2    | Tuesday   | 18.01.2022 | The relationship between AI and collective intelligence    |
| 3    | Wednesday | 19.01.2022 | Machine learning in business                               |
| 4    | Thursday  | 20.01.2022 | An AI technology which aims to design,                     |
| 5    | Friday    | 21.01.2022 | Natural language processing in business                    |
| 6    | Saturday  | 22.01.2022 | Explore functions such as machine translation,             |
| 7    | Monday    | 24.01.2022 | summarization, and sentiment analysis                      |
| 8    | Tuesday   | 25.01.2022 | summarization, and sentiment analysis                      |
| 9    | Thursday  | 27.01.2022 | Robotics in business                                       |
| 10   | Friday    | 28.01.2022 | Robotics as a transformative AI technology                 |
| 11   | Saturday  | 29.01.2022 | Artificial intelligence in business and society            |
| 12   | Monday    | 31.01.2022 | Collective intelligence and the human-machine relationship |
| 13   | Tuesday   | 01.02.2022 | The impact of AI on jobs                                   |
| 14   | Wednesday | 02.02.2022 | The ethical and social implications of AI integration      |
| 15   | Thursday  | 03.02.2022 | The future of artificial intelligence                      |
|      |           |            |  |

  
COORDINATOR

  
HOD.

H.O.D.  
DEPARTMENT OF CSE  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (Dist) A.P.

  
PRINCIPAL

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# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### List of Students

Year: IV

A Certificate Program on "Artificial Intelligence: Implications for Business Strategy"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student        | Department | Student Signature   |
|--------|------------|----------------------------|------------|---------------------|
| 1      | 18G31A0501 | AREKATIKA BHASKAR          | CSE        | A. Bhaskar          |
| 2      | 18G31A0502 | BADAI ABRAR                | CSE        | Badar Abrar         |
| 3      | 18G31A0503 | BANDA SAIPRASAD            | CSE        | B. Saiprasad        |
| 4      | 18G31A0504 | BOYA VIJAY                 | CSE        | B. Vijay            |
| 5      | 18G31A0505 | CHAKALI TEJASHWINI         | CSE        | C. Tejashwini       |
| 6      | 18G31A0506 | DARJI HAMADAIYAS           | CSE        | D. Hamadaiyas       |
| 7      | 18G31A0507 | EPPATURI RAGAVENDRA REDDY  | CSE        | E. Ragavendra Reddy |
| 8      | 18G31A0508 | G UMMI JAVERIYA            | CSE        | G. Ummi Javeriya    |
| 9      | 18G31A0509 | GADIGE SOWMYA              | CSE        | G. Sowmya           |
| 10     | 18G31A0510 | GONE PRABHAVATHI           | CSE        | G. Prabhavathi      |
| 11     | 18G31A0511 | GOVINDA REDDY GARI LAVANYA | CSE        | G. Lavanya          |
| 12     | 18G31A0512 | GUDIPATI SURYA THEJA       | CSE        | G. Suryatheja       |
| 13     | 18G31A0513 | JUJARAY PREETHI            | CSE        | J. Preethi          |
| 14     | 18G31A0514 | K INDU                     | CSE        | K. Indu             |
| 15     | 18G31A0515 | KANNA NARASA REDDY         | CSE        | K. Narasa Reddy     |
| 16     | 18G31A0516 | KAPA VINEETHA              | CSE        | K. Vineetha         |
| 17     | 18G31A0517 | KARA MAMATHA               | CSE        | K. Mamatha          |
| 18     | 18G31A0518 | KASHAPOGU EPSI RANI        | CSE        | K. E. Rani          |
| 19     | 18G31A0519 | KATIKA YOGITHA SRI         | CSE        | K. Yogitha Sri      |
| 20     | 18G31A0520 | KHANDEKARI PUSHPALATHA     | CSE        | K. Pushpalatha      |
| 21     | 18G31A0521 | KUCHE SUKUMAR              | CSE        | K. Sukumar          |
| 22     | 18G31A0522 | KURUVA AJITH KUMAR         | CSE        | K. Ajith Kumar      |
| 23     | 18G31A0523 | KURUVA ASHOK               | CSE        | K. Ashok            |
| 24     | 18G31A0524 | KURUVA SWETHA              | CSE        | K. Swetha           |
| 25     | 18G31A0525 | MACHANI KEERTHIKA          | CSE        | M. Keerthika        |
| 26     | 18G31A0526 | MADAGALLU SUKANYA          | CSE        | M. Sukanya          |
| 27     | 18G31A0527 | MAISTRY MISBAPARVEZ        | CSE        | M. Misbaparvez      |
| 28     | 18G31A0528 | MANAVI SOUMYA              | CSE        | M. Soumya           |
| 29     | 18G31A0529 | MEENIGA KRISHNAVENI        | CSE        | M. Krishnaveni      |
| 30     | 18G31A0530 | MOHAMMED NAYEEM            | CSE        | M. Nayeem           |
| 31     | 18G31A0531 | MUSANALLI VARALAKSHMI      | CSE        | M. Varalakshmi      |

**A Certificate Program on "Artificial Intelligence: Implications for Business Strategy"****Academic Year:2021-2022**

| S.I.no | Roll No.   | Name of the Student      | Department | Student Signature  |
|--------|------------|--------------------------|------------|--------------------|
| 34     | 18G31A0534 | S P ANUSH ALTHAMASH      | CSE        | SP Altamash        |
| 35     | 18G31A0535 | SADAPURAM UJWALA         | CSE        | S. Ujwala          |
| 36     | 18G31A0536 | SANKATI RANI             | CSE        | S. Sankati Rani    |
| 37     | 18G31A0537 | SAYA DEVI                | CSE        | S. S. Devi         |
| 38     | 18G31A0539 | SHAIK AESHA BEGUM        | CSE        | Ayeshabegum        |
| 39     | 18G31A0540 | SHAIK MOHAMMED ARIFULLAH | CSE        | S. Md. Arifullah   |
| 40     | 18G31A0541 | SHAIK THAHER BASHA       | CSE        | Shaike Taher Basha |
| 41     | 18G31A0542 | TATIKONDA SAILAJA        | CSE        | T. Sailaja         |
| 42     | 18G31A0543 | UPPARA SREEKANTH         | CSE        | U. Sreekanth       |
| 43     | 18G31A0545 | V LOKESWARI              | CSE        | V. Lokeshwari      |
| 44     | 18G31A0546 | VADDE DIVYA              | CSE        | V. DIVYA           |
| 45     | 18G31A0547 | VARAM MOUNIKA            | CSE        | V. Mounika         |

**Co-ordinator**


**HOD**

H.O.D.  
DEPARTMENT OF CSE  
St. Joseph's College of Engineering & Technology  
Vengal Rao Nagar, Hyderabad





# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF CSE

Date: 07.02.2022

### Program Report

**Name of the Event:** Certificate Program on “Artificial Intelligence: Implications for Business Strategy”

**Date/Duration:** 17.01.2022 to 03.02.2022 / 15 Days

**Resource Person Details:** Dr. P. Veeresh, Prof, SJCET.

**Name of Coordinator:** Mr. T. Abdul Raheem, Asst.Prof, SJCET.

**Number of Students completed/enrolled:** 45

#### **Objective of Event:**

What is artificial intelligence (AI)? What does it mean for business? And how can your company take advantage of it? This online program, designed by the MIT Sloan School of Management and the MIT Computer Science and Artificial Intelligence Laboratory (CSAIL), will help you answer these questions.

#### **Topics Covered:**


- An introduction to artificial intelligence.
- Machine learning in business.
- Natural language processing in business.
- Robotics in business.
- Artificial intelligence in business and society.
- The future of artificial intelligence.

#### **Outcome of Program:**

- Each student will understand and complete course based on Artificial Intelligence and management.
- Each student should understand specific hardware and software tradeoffs for Artificial Intelligence and application performance.
- Each student will get Course material will come from texts and assigned readings.



**Program Coordinator**



**HOD**

**H.O.D.**  
**DEPARTMENT OF CSE**  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)



# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## CIRCULAR:: DEPARTMENT OF CIVIL ENGINEERING

**Date: 10.01.2022**

All the III-B.Tech I-Sem Students are here by informed that the Department of Civil Engineering, SJ CET is conducting “A **Certificate Program on 3D PRINTING**”. The program will held from 18.01.2022-27.01.2022 under the coordination of **Mr. E.Nathanielu**, Asst.Prof of the department. Interested candidates can enroll their names on or before 14.01.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

**PRINCIPAL**

**PRINCIPAL**

St. Johns College of Engineering & Technology,  
Yerrakota, YEMMIGANUR (M) Kurnool (Dist) A.P.

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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

Date: 18.01.2022

### Day-Wise-Schedule

Name of the Program: **A Certificate Program on 3D Printing**

**Academic Year: 2021-2022**

Program Duration: 18.01.2022-27.01.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Tuesday   | 18.01.2022 | Introduction to 3D printing                          |
| 2    | Wednesday | 19.01.2022 | Types of 3D printing processes                       |
| 3    | Thursday  | 20.01.2022 | Tinker cad, Fusion 360 and its benefits in 3D design |
| 4    | Friday    | 21.01.2022 | 3d printers & scanners, slicing & slicing software   |
| 5    | Saturday  | 22.01.2022 | Materials for 3d Printing                            |
| 6    | Monday    | 24.01.2022 | Post processing & other aspects of 3d printing       |
| 7    | Tuesday   | 25.01.2022 | Business opportunities                               |
| 8    | Thursday  | 27.01.2022 | Future of 3d printing & other aspects of 3d printing |

  
COORDINATOR

  
HOD  
Civil Engineering Department  
St. Johns College of Engg. & Tech., Yerrakota





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

### List of Students

Year/Sem: III-I

A Certificate Program on "3D PRINTING"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student     | Department | Student Signature |
|--------|------------|-------------------------|------------|-------------------|
| 1      | 20G31A0101 | ACCHUGATLA NOORADDIN    | CE         |                   |
| 2      | 20G31A0102 | BAASARA VAMSHIDHAR      | CE         |                   |
| 3      | 20G31A0103 | BANDAPALLI ANJI         | CE         |                   |
| 4      | 20G31A0104 | BINIGERI SOMESH         | CE         |                   |
| 5      | 20G31A0105 | BOYA ANIL NAIDU         | CE         |                   |
| 6      | 20G31A0106 | BOYA RAKESH             | CE         |                   |
| 7      | 20G31A0107 | CHAKALI VEERESH         | CE         |                   |
| 8      | 20G31A0108 | GOBBIRIGALA RAMA NAIDU  | CE         |                   |
| 9      | 20G31A0109 | KADUBURI RAMANJINI      | CE         |                   |
| 10     | 20G31A0110 | KANIKE MAHALAKSHMI      | CE         |                   |
| 11     | 20G31A0111 | KAPA MALLIKARJUNA REDDY | CE         |                   |
| 12     | 20G31A0112 | KATIKE SRIDHAR          | CE         |                   |
| 13     | 20G31A0113 | KURUVA RAVI KUMAR       | CE         |                   |
| 14     | 20G31A0114 | MADHIRE VALI BASHA      | CE         |                   |
| 15     | 20G31A0115 | MADROLU SUNEEL          | CE         |                   |
| 16     | 20G31A0116 | MALA RAVI KUMAR         | CE         |                   |
| 17     | 20G31A0117 | MANGALI MADHUSUDHAN     | CE         |                   |
| 18     | 20G31A0118 | MONE SRUTHI             | CE         |                   |
| 19     | 20G31A0119 | MULLA MUJUNA            | CE         |                   |
| 20     | 20G31A0120 | MURALE NAVEENA          | CE         |                   |

Co-ordinator

HOD

Civil Engineering Department  
St. Johns College of Engg. & Tech., Yerrakota



# **St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## **DEPARTMENT OF CIVIL ENGINEERING**

**Date:31.01.2022**

### **Program Report**

**Name of the Event:**A Certificate Program on 3D PRINTING

**Date/Duration:**18.01.2022-27.01.2022/ 08 DAYS

**Resource Person Details:**Mrs. Nandini

**Name of Coordinator:**Mr. E. Nathanielu

**Number of Students completed/enrolled:**20

### **Objective of Event:**

- 3d printing or additive manufacturing service reduces the time and effort of the manufacturer to create a prototype
- To enhance the potential to be in every houseful used by students and professional from all walks of life
- Preparing for various 3d printing industries and its applications.

### **Topics Covered:**

- Types of 3d printing processes
- CAD software's like RHINO, TINKER CAD, SOLIDWORKS, FUSION 360 basics.
- 3d printers & Scanners
- Materials for 3d printing & applications of 3d printing & other aspects.

### **Outcome of Program:**

- Evolution of 3d printing
- Principles of 3d printing
- Technical skills involved in 3d printing & growth in industries using 3d printing

**Program Coordinator**

**HOD**

**HOD**

**Civil Engineering Department**  
**St. Johns College of Engg. & Tech., Yerrakota**



**St. Johns College of Engineering & Technology**


Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.


**CIRCULAR :: DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING**


**Date: 10-01-2022**

All the IV-B.Tech I-Semester Students are here by informed that the Department of Electronics & Communication Engineering, SJCT is conducting a **Certification Program** on “**NANO TECHNOLOGY**”. The program will held from 19.01.2022 to 27.01.2022 under the coordination of **Mr. T CHAKRAPANI**, Assoc.Prof of the department. Interested candidates can enroll their names on or before 17.01.2022.

All the registered students must attend the certificate program without fail on the above mentioned dates.

  
**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
**PRINCIPAL**  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 19.01.2020

### Day-Wise-Schedule

Name of the Program: **A Certified Program on NANO TECHNOLOGY**

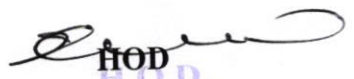
**Academic Year: 2021-2022**

Program Duration: 19.01.2022 to 27.01.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DATE       | DAY       | TOPICS   |
|------|------------|-----------|--|
| 1    | 19-01-2022 | Wednesday | Nanotechnology Innovations                     |
| 2    | 20-01-2022 | Thursday  | Nanofabrication                                |
| 3    | 21-01-2022 | Friday    | Nanotechnology, Nanomedicine; Ethical Aspects. |
| 4    | 22-01-2022 | Saturday  | Lipid Nanotechnology                           |
| 5    | 24-01-2022 | Monday    | Nanotechnology For Missiles                    |
| 6    | 25-01-2022 | Tuesday   | Molecular Engineering And Bionanotechnology.   |
| 7    | 27-01-2022 | Thursday  | Functional Nanoparticles And Nanomaterials     |

  
COORDINATOR

  
HOD  
Dept. of Electronics & Communication Engineering  
St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur - 518 360  
KURNOOL (Dist), A.P.





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### List of Students

Year/Sem: IV-I

A Certificate Program on "NANO TECHNOLOGY"

Academic Year:2021-2022

| S.l.no | Roll No.   | Name of the Student          | Department | Student Signature |
|--------|------------|------------------------------|------------|-------------------|
| 1      | 18G31A0401 | APPASANI LAKSHMI PRASANNA    | ECE        | A. Lakshmi        |
| 2      | 18G31A0402 | B NASIRUDDIN                 | ECE        | B. Nasiruddin     |
| 3      | 18G31A0403 | BADINEHAL MALLIKARJUNA REDDY | ECE        | Mad               |
| 4      | 18G31A0404 | BANAVASI SEHARA BANU         | ECE        | Banu              |
| 5      | 18G31A0405 | BANDA JAYAPRAKASH            | ECE        | B. Jayaprakash    |
| 6      | 18G31A0406 | BANDA VINAY                  | ECE        | B. V. Vinay       |
| 7      | 18G31A0407 | BANDAGATTU PAVAN KUMAR REDDY | ECE        | Pavan Kumar       |
| 8      | 18G31A0408 | BOYA ARCHANADEV              | ECE        | Archana Devi      |
| 9      | 18G31A0409 | BOYA INDU                    | ECE        | B. Indu           |
| 10     | 18G31A0410 | BOYA MANJU LATHA             | ECE        | B. Latha          |
| 11     | 18G31A0411 | BOYA PARASURAMUDU            | ECE        | Parasuramudu      |
| 12     | 18G31A0412 | BUGUDE UDAYKUMAR             | ECE        | Uday Kumar        |
| 13     | 18G31A0415 | CHINNI VENKATA GAYATHRI      | ECE        | C. Gayathri       |
| 14     | 18G31A0416 | DUDEKULA HAJI VALI           | ECE        | Haji Vali         |
| 15     | 18G31A0417 | GARLADINNE VENKATESH         | ECE        | G. Venkatesh      |
| 16     | 18G31A0418 | GOLLA BEBISARASWATHI         | ECE        | G. Bebin          |
| 17     | 18G31A0419 | GOLLA SURESH                 | ECE        | G. Suresh         |
| 18     | 18G31A0420 | GONUPADU SOWMYA              | ECE        | G. SOWMYA         |
| 19     | 18G31A0421 | GUDIKAL REKHA                | ECE        | Rekha             |
| 20     | 18G31A0423 | J ARSHAD ZAMA                | ECE        | J. Zama           |
| 21     | 18G31A0424 | JATPOL JAHEER                | ECE        | J. Jaheer         |
| 22     | 18G31A0425 | KAMARTHI HARITHA             | ECE        | K. Haritha        |
| 23     | 18G31A0426 | KAMSALI AISWARYA             | ECE        | A. Ishwarya       |
| 24     | 18G31A0427 | KANIKE INDU                  | ECE        | K. Indu           |
| 25     | 18G31A0428 | KAPU VINAY KUMAR REDDY       | ECE        | Vinay Kumar       |
| 26     | 18G31A0429 | KARNATI SUSHMA               | ECE        | Sushma            |
| 27     | 18G31A0430 | KEELALU ABHISHEK KUMAR       | ECE        | Abhishek Kumar    |
| 28     | 18G31A0431 | KONDAPURAM BABUREDDY         | ECE        | K. Babu           |
| 29     | 18G31A0432 | KONGE SAIVINEETH             | ECE        | K. Saivineeth     |
| 30     | 18G31A0433 | KURMI VAMSI                  | ECE        | K. Vamsi          |
| 31     | 18G31A0434 | KURUVASUGURAPPAGARI SIDDIAH  | ECE        | K. Siddiah        |
| 32     | 18G31A0435 | M NAVEED PASHA               | ECE        | M. Naveed         |
| 33     | 18G31A0436 | MACHANI KUSUMA JYOTHI        | ECE        | Jyothi            |



## A Certificate Program on "NANO TECHNOLOGY"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student          | Department | Student Signature |
|--------|------------|------------------------------|------------|-------------------|
| 34     | 18G31A0437 | MADIGA ANJALI                | ECE        | Anjali            |
| 35     | 18G31A0438 | MAGAMI MD GHOUSE             | ECE        | M. Ghouse         |
| 36     | 18G31A0439 | MEDARI HARSHAVARDHAN         | ECE        | M. Harshavardhan  |
| 37     | 18G31A0440 | MOHAMMED SHAHIDA             | ECE        | Shahida           |
| 38     | 18G31A0442 | NARALA SWETHA                | ECE        | N. Swetha         |
| 39     | 18G31A0443 | NELLUR VIDYA SREE            | ECE        | Vidya sree        |
| 40     | 18G31A0444 | PADEGALLU VINOD BABU         | ECE        | Vinod babu        |
| 41     | 18G31A0445 | PADMASALE BALLAM SAI SAHITHI | ECE        | P. Sai sahithi    |
| 42     | 18G31A0447 | R ABDUL NAYEEM               | ECE        | Nayem             |
| 43     | 18G31A0448 | REDDY GARI LATHA             | ECE        | Latha             |
| 44     | 18G31A0449 | SHAIK AYISHA ALLMAS          | ECE        | Shayasa           |
| 45     | 18G31A0450 | SHAIK MUNNA                  | ECE        | Munna             |
| 46     | 18G31A0451 | SHAIK SANA SULTHANA          | ECE        | Shoik Sana        |
| 47     | 18G31A0452 | SOMA CHANDRA SEKHAR          | ECE        | S. Chandra        |
| 48     | 18G31A0453 | SUDIGUNDU BHARATH KUMAR      | ECE        | S. Bharath kumar  |
| 49     | 18G31A0454 | TELLAPANDLA SWETHA           | ECE        | T. Swetha         |
| 50     | 18G31A0456 | UPPARA JYOTHI LAKSHMI        | ECE        | Jyothilakshmi     |
| 51     | 18G31A0457 | UPPARA RAVINDRA BABU         | ECE        | U. Babu           |
| 52     | 18G31A0458 | VADDE HARICHANDRA PRASAD     | ECE        | V. Harichandra    |
| 53     | 18G31A0459 | VARADA ANIL KUMAR            | ECE        | V. Anil Kumar     |
| 54     | 18G31A0460 | YERUKULA VANDANA             | ECE        | Vandana           |
| 55     | 19G35A0401 | CHARUBOYALA RAMU             | ECE        | C. Ramu           |
| 56     | 19G35A0402 | DARAGA VANNUR VALI           | ECE        | Vannurvali        |
| 57     | 19G35A0403 | GULLAPPA GARI MAHESH         | ECE        | Mahesh            |
| 58     | 19G35A0404 | REDDY RAKESH KUMAR           | ECE        | Rakesh            |
| 59     | 16G31A0421 | KURUVA SREEKANTH             | ECE        | Sree kanth        |
| 60     | 17G31A0443 | K.SIVAKUMAR                  | ECE        | K. Shivakumar     |

COORDINATOR

  
 HOD  
 Dept. of Electronics & Communication Engineering  
 St. Johns College of Engineering & Technology  
 Yerrakota, Yemmiganur - 518 360  
 KURNOOL (Dist)., A.P.





# **St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Date: 27.01.2022**

### **Program Report**

**Name of the Event:** A Certified Program on NANO Technology

**Date/Duration:** 19.01.2022 to 27.01.2022/ 07 Days

**Resource Person Details:** Dr. K. Govindurajulu

**Name of Coordinator:** Mr. T Chakrapani

**Number of Students completed/enrolled:** 60

#### **Objective of Event:**

- Nanofabrication
- Nano Measurement And Characterization Tools: Transmission Electron Microscopy

#### **Topics Covered:**


- Nanofabrication
- Nano Technology
- Deep learning vs. machine learning

#### **Outcome of Program:**

- Nanotechnology For Missiles
- Nanotechnology Innovations

  
**Program Coordinator**

T. Chakrapani

  
**HOD**  
Dept. of Electronics & Communication Engineering  
St. Johns College of Engineering & Technology  
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St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

**CIRCULAR :: DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Date: 27.02.2022

All the II-B.Tech I-Sem Students are here by informed that the Department of EEE, SJCET is conducting "A **Certificate Program** on **"FUZZY LOGIC CONTROL"**. The program will held from 02.03.2022-17.03.2022 under the coordination of **Mr. P.PEDDA REDDY**, Assistant. Professor. Interested candidates can enroll their names on or before 01.03.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
IQAC

Co-ordinator, IQAC

St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
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circulation among Students.



**St. Johns College of Engineering & Technology**  
**Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.**

Date: 02.03.2022

**Day-Wise-Schedule**

Name of the Program: A certificate program on fuzzy logic control


Program Duration: 02.03.2022-17.03.2022

Time: 10:00 AM to 12:00 PM

| S.NO | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Tuesday   | 02.03.2022 | Introduction and Fuzzy Sets Theory                      |
| 2    | Wednesday | 03.03.2022 | Membership Functions and their formation                |
| 3    | Thursday  | 04.03.2022 | Set Theoretic Operations in Fuzzy constructional theory |
| 4    | Friday    | 05.03.2022 | Fuzzy Logic Arithmetic                                  |
| 5    | Saturday  | 06.03.2022 | FuzzySet Relations                                      |
| 6    | Monday    | 08.03.2022 | Fuzzy Inference Systems I                               |
| 7    | Tuesday   | 09.03.2022 | Fuzzy Inference Systems II                              |
| 8    | Wednesday | 10.03.2022 | Wang and Mendel Model                                   |
| 9    | Thursday  | 11.03.2022 | TSK Model   |
| 10   | Friday    | 12.03.2022 | Fuzzifiers and Defuzzifiers                             |
| 11   | Saturday  | 13.03.2022 | ANFIS Architecture                                      |
| 12   | Monday    | 15.03.2022 | Fuzzy logic with engineering applications               |
| 13   | Tuesday   | 16.03.2022 | learning of neural and fuzzy networks                   |
| 14   | Wednesday | 17.03.2022 | Next level Process of Neuro-Fuzzy and Soft Computing    |

  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## List of Students

Year/Sem:II-I

A Certificate Program on "FUZZY LOGIC CONTROL"

Academic Year:2021-2022

| S.NO | ROLL NUMBER | NAME OF THE STUDENT           | DEPARTMENT | STUDENT SIGNATURE      |
|------|-------------|-------------------------------|------------|------------------------|
| 1    | 20G31A0201  | A PUSHPALATHA                 | EEE        | A. Pushpalatha.        |
| 2    | 20G31A0202  | A TARUN KUMAR                 | EEE        | A. Tarun               |
| 3    | 20G31A0203  | B VINAY                       | EEE        | B. Vinay.              |
| 4    | 20G31A0204  | BANDA BHASKAR                 | EEE        | B. Bhaskar             |
| 5    | 20G31A0205  | BOYA JOLANNA GARI RAMAKRISHNA | EEE        | B.J. Ramakrishna       |
| 6    | 20G31A0206  | BOYA RAVI                     | EEE        | B. Ravi                |
| 7    | 20G31A0207  | BUGUDI MOHAN KUMAR            | EEE        | B. Mohan kumar         |
| 8    | 20G31A0208  | DAYYALA ALLI RANI             | EEE        | D. Alli Rani           |
| 9    | 20G31A0209  | GURRAM MOUNIKA                | EEE        | G. Mounika             |
| 10   | 20G31A0210  | KALLUKUNTA PAVAN KUMAR        | EEE        | K. Pavan Kumar         |
| 11   | 20G31A0211  | KANAKA BOYA LAVAKUMAR         | EEE        | K.B. LAVA KUMAR        |
| 12   | 20G31A0212  | KANIKE JYOTHI                 | EEE        | K. Jyothi              |
| 13   | 20G31A0213  | KANIKE PRATAP                 | EEE        | K. Pratap              |
| 14   | 20G31A0214  | KANNARI RAJESH                | EEE        | K. Rajesh              |
| 15   | 20G31A0215  | MALIREDDY LAKSHMAN            | EEE        | M. Lakshman            |
| 16   | 20G31A0216  | MULLA AMANULLA                | EEE        | M. Amanulla            |
| 17   | 20G31A0217  | NAGANNAGERI LAKSHMI           | EEE        | N. Lakshmi             |
| 18   | 20G31A0218  | NASARI KOUSALYA               | EEE        | N. Kousalya            |
| 19   | 20G31A0219  | NAYAKANTI RAMUDU              | EEE        | N. Ramudus             |
| 20   | 20G31A0220  | SADDALA BHARATHI              | EEE        | S. Bharathi            |
| 21   | 20G31A0221  | SEELAM RAJASEKHAR             | EEE        | S. Rajasekhar          |
| 22   | 20G31A0222  | SUGURAPPAGARI NARASIMHULU     | EEE        | S. Narasimhulu         |
| 23   | 20G31A0223  | ULIDRA NAVEEN KUMAR           | EEE        | U. Naveen Kumar.       |
| 24   | 20G31A0224  | UPPARAMUNDARINTI SAI GURU RAJ | EEE        | U. Sai Guru.           |
| 25   | 20G31A0225  | VADLA BABUDIN                 | EEE        | V. Babudin             |
| 26   | 20G31A0226  | YERRABATI VIJAY KUMAR         | EEE        | Y. Vijay kumar         |
| 27   | 21G35A0201  | BESTHA VENKATESH              | EEE        | B. Venkatesh           |
| 28   | 21G35A0202  | BICHALI SAINATH               | EEE        | B. Sainath             |
| 29   | 21G35A0203  | BOGGURU VIJAY BHASKAR REDDY   | EEE        | B. Vijay Bhaskar Reddy |
| 30   | 21G35A0204  | C KARTHIK REDDY               | EEE        | C. Karthik Reddy       |
| 31   | 21G35A0205  | GOLLA VINOD KUMAR             | EEE        | G. Vinod Kumar         |
| 32   | 21G35A0206  | YAPAMANU PRIYANKA             | EEE        | Y. Priyanka.           |
| 33   | 21G35A0207  | JANA LATHA                    | EEE        | J. Latha.              |

| Academic Year:2021-2022 |             |                             |            |                       |
|-------------------------|-------------|-----------------------------|------------|-----------------------|
| S.NO                    | ROLL NUMBER | NAME OF THE STUDENT         | DEPARTMENT | STUDENT SIGNATURE     |
| 34                      | 21G35A0208  | K AISHWARYA                 | EEE        | K. Aishwarya.         |
| 35                      | 21G35A0209  | K MAHESH                    | EEE        | K. Mahesh             |
| 36                      | 21G35A0210  | KAKE UDAY KANTH             | EEE        | K. Udaykanth          |
| 37                      | 21G35A0211  | KUMMARI SITHA RAMANJINEYULU | EEE        | K. Sitharamanjineyulu |
| 38                      | 21G35A0212  | KUNDANAM DHANUSH KUMAR      | EEE        | K. Dhaneesh Kumar     |
| 39                      | 21G35A0213  | KURUVA GOURI                | EEE        | K. Gouri              |
| 40                      | 21G35A0214  | KURUVA YUGANDAR             | EEE        | K. Yugandar.          |
| 41                      | 21G35A0215  | M FAREED AKRAM              | EEE        | M. Fareed Akram       |
| 42                      | 21G35A0216  | P AKBAR SAB                 | EEE        | P. Akbar Sab          |
| 43                      | 21G35A0217  | PATAN SHABAZ KHAN           | EEE        | P. Shabaz Khan        |
| 44                      | 21G35A0218  | SAPARE NANDA KISHORE        | EEE        | S. Nanda Kishore      |
| 45                      | 21G35A0219  | EERAPOGU VINAY              | EEE        | E. Vinay              |
| Co ordinator            |             | HOD                         |            |                       |

H. O. D.  
 Department of E. E. E.  
 St. Johns College of Engineering & Technology  
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DEPARTMENT OF EEE

Date:19.03.2022

**Program Report**

**Name of the Event:**Certificate Program on “FUZZY LOGIC CONTROL”

**Date/Duration:**(02.03.2022-17.03.2022)/ 15days

**Resource Person Details:** Mr. B Parasuram Asst. Prof, in Dept. of Electrical and  
Electronics Engineering, BITS Adoni

**Name of Coordinator:** MrP.PEEDA REDDY, Asst. Prof of the EEE department

**Number of Students completed/enrolled:** 45/45

**Objective of Event:** To study and implementation of the fuzzy logic controlsystem

**Topics Covered:**

- Opportunities in fuzzy logic control system
- Case study of design  
IntroductionandFuzzySetsTheory
- Different ideas of fuzzy design
- How to learning of neural and fuzzy network

**Outcome of Program:**

- Visual and virtual Next level Process of Neuro-Fuzzy and Soft Computing
- Challenges faced by Fuzzifiers and Defuzzifiers
- The importance of SetTheoreticOperationsinFuzzyconstructionaltheory

  
Program Coordinator

  
HOD





**St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.


**CIRCULAR :: DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING**


**Date: 01-02-2022**

All the IV-B.Tech I-Sem Students are here by informed that the Department of Electronics & Communication Engineering, SJCET is conducting a **Certification Program** on “**4G COMMUNICATIONS**”. The program will held from 05.02.2022 to 22.02.2022 under the coordination of **Mr. T CHAKRAPANI**, Assoc.Prof of the department. Interested candidates can enroll their names on or before 04.02.2022.

All the registered students must attend the certificate program without fail on the above mentioned dates.

  
**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur. Kurnool (Dist.)

  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 05.02.2022

### Day-Wise-Schedule

Name of the Program: **A Certified Program on 4G Communications.**

**Academic Year: 2021-2022**

Program Duration: 05.02.2022 to 22.02.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DATE       | DAY       | TOPICS   |
|------|------------|-----------|--|
| 1    | 05-02-2022 | Saturday  | Introduction to Program                          |
| 2    | 07-02-2022 | Monday    | Introduction to 4G Communications                |
| 3    | 08-02-2022 | Tuesday   | Mobile Communication Technologies classification |
| 4    | 09-02-2022 | Wednesday | 4G Technology                                    |
| 5    | 10-02-2022 | Thursday  | Types of Communication                           |
| 6    | 11-02-2022 | Friday    | fourth-generation wireless Communication         |
| 7    | 12-02-2022 | Saturday  | Main objectives of 4G                            |
| 8    | 14-02-2022 | Monday    | Features of 4G Wireless Systems                  |
| 9    | 15-02-2022 | Tuesday   | Types of Mobile Communication                    |
| 10   | 16-02-2022 | Wednesday | Future of Mobile Communication                   |
| 11   | 17-02-2022 | Thursday  | Challenges in Mobile Communication               |
| 12   | 18-02-2022 | Friday    | Multiple Access Techniques                       |
| 13   | 19-02-2022 | Saturday  | Antennas Transmitters and receivers              |
| 14   | 21-02-2022 | Monday    | Future Scopes of 4G Communications               |
| 15   | 22-02-2022 | Tuesday   | Applications and conclusions                     |

  
COORDINATOR

  
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# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### List of Students

Year/Sem: IV-I

A Certificate Program on "4G Communications"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student           | Department | Student Signature |
|--------|------------|-------------------------------|------------|-------------------|
| 1      | 18G31A0401 | APPASANI LAKSHMI PRASANNA     | ECE        | A. Lakshmi        |
| 2      | 18G31A0402 | B NASIRUDDIN                  | ECE        | B. Nasiruddin     |
| 3      | 18G31A0403 | BADINEHAL MALLIKARJUNA REDDY  | ECE        | Badinehal         |
| 4      | 18G31A0404 | BANAVASI SEHARA BANU          | ECE        | Banu              |
| 5      | 18G31A0405 | BANDA JAYAPRAKASH             | ECE        | B. Jayaprakash    |
| 6      | 18G31A0406 | BANDA VINAY                   | ECE        | B. Vinay          |
| 7      | 18G31A0407 | BANDAGATTU PAVAN KUMAR REDDY  | ECE        | Pavan Kumar       |
| 8      | 18G31A0408 | BOYA ARCHANADEVI              | ECE        | Archana Devi      |
| 9      | 18G31A0409 | BOYA INDU                     | ECE        | B. Indu           |
| 10     | 18G31A0410 | BOYA MANJU LATHA              | ECE        | B. Latha          |
| 11     | 18G31A0411 | BOYA PARASURAMUDU             | ECE        | Parasuramudu      |
| 12     | 18G31A0412 | BUGUDE UDAYKUMAR              | ECE        | Uday Kumar        |
| 13     | 18G31A0415 | CHINNI VENKATA GAYATHRI       | ECE        | C. Gayathri       |
| 14     | 18G31A0416 | DUDEKULA HAJI VALI            | ECE        | Hajivali          |
| 15     | 18G31A0417 | GARLADINNE VENKATESH          | ECE        | Venkatesh         |
| 16     | 18G31A0418 | GOLLA BEBISARASWATHI          | ECE        | G. Bebisar        |
| 17     | 18G31A0419 | GOLLA SURESH                  | ECE        | Suresh            |
| 18     | 18G31A0420 | GONUPADU SOWMYA               | ECE        | G. SOWMYA         |
| 19     | 18G31A0421 | GUDIKAL REKHA                 | ECE        | Rekha             |
| 20     | 18G31A0423 | J ARSHAD ZAMA                 | ECE        | J. Zama           |
| 21     | 18G31A0424 | JATPOL JAHEER                 | ECE        | J. Jaher          |
| 22     | 18G31A0425 | KAMARTHI HARITHA              | ECE        | K. Haritha        |
| 23     | 18G31A0426 | KAMSALI AISWARYA              | ECE        | Aishwarya         |
| 24     | 18G31A0427 | KANIKE INDU                   | ECE        | K. Indu           |
| 25     | 18G31A0428 | KAPU VINAY KUMAR REDDY        | ECE        | Vinay Kumar       |
| 26     | 18G31A0429 | KARNATI SUSHMA                | ECE        | Sushma            |
| 27     | 18G31A0430 | KEELALU ABHISHEK KUMAR        | ECE        | K. Abhishek       |
| 28     | 18G31A0431 | KONDAPURAM BABUREDDY          | ECE        | K. BABU           |
| 29     | 18G31A0432 | KONGE SAIVINEETH              | ECE        | K. Saivineeth     |
| 30     | 18G31A0433 | KURMI VAMSI                   | ECE        | K. Vamsi          |
| 31     | 18G31A0434 | KURUVASUGURAPPAGARI SIDDIAIAH | ECE        | K. Siddaiah       |
| 32     | 18G31A0435 | M NAVEED PASHA                | ECE        | M. Naveed         |
| 33     | 18G31A0436 | MACHANI KUSUMA JYOTHI         | ECE        | Jyothi            |



## A Certificate Program on "4G Communications"

Academic Year:2021-2022

| S.l.no | Roll No.   | Name of the Student          | Department | Student Signature |
|--------|------------|------------------------------|------------|-------------------|
| 34     | 18G31A0437 | MADIGA ANJALI                | ECE        | Anjali            |
| 35     | 18G31A0438 | MAGAMI MD GHOUSE             | ECE        | M.ghouse          |
| 36     | 18G31A0439 | MEDARI HARSHAVARDHAN         | ECE        | M.Harsha          |
| 37     | 18G31A0440 | MOHAMMED SHAHIDA             | ECE        | Shahida           |
| 38     | 18G31A0442 | NARALA SWETHA                | ECE        | N. Swetha         |
| 39     | 18G31A0443 | NELLUR VIDYA SREE            | ECE        | Vidya sree        |
| 40     | 18G31A0444 | PADEGALLU VINOD BABU         | ECE        | P. Vinod Babu     |
| 41     | 18G31A0445 | PADMASALE BALLAM SAI SAHITHI | ECE        | P. Sai sahithi    |
| 42     | 18G31A0447 | R ABDUL NAYEEM               | ECE        | R. Nayeem         |
| 43     | 18G31A0448 | REDDY GARI LATHA             | ECE        | Latha             |
| 44     | 18G31A0449 | SHAIK AYISHA ALLMAS          | ECE        | S. Ayisha Allmas  |
| 45     | 18G31A0450 | SHAIK MUNNA                  | ECE        | Munna             |
| 46     | 18G31A0451 | SHAIK SANA SULTHANA          | ECE        | Shaik Sana        |
| 47     | 18G31A0452 | SOMA CHANDRA SEKHAR          | ECE        | S. Chandra        |
| 48     | 18G31A0453 | SUDIGUNDU BHARATH KUMAR      | ECE        | Bharath           |
| 49     | 18G31A0454 | TELLAPANDLA SWETHA           | ECE        | T. Swetha         |
| 50     | 18G31A0456 | UPPARA JYOTHI LAKSHMI        | ECE        | Jyoti             |
| 51     | 18G31A0457 | UPPARA RAVINDRA BABU         | ECE        | U. Babu           |
| 52     | 18G31A0458 | VADDE HARICHANDRA PRASAD     | ECE        | V. Harichandra    |
| 53     | 18G31A0459 | VARADA ANIL KUMAR            | ECE        | V. Anil Kumar     |
| 54     | 18G31A0460 | YERUKULA VANDANA             | ECE        | Vandana           |
| 55     | 19G35A0401 | CHARUBOYALA RAMU             | ECE        | C. Ramu           |
| 56     | 19G35A0402 | DARAGA VANNUR VALI           | ECE        | D. Vannur Vali    |
| 57     | 19G35A0403 | GULLAPPA GARI MAHESH         | ECE        | G. Mahesh         |
| 58     | 19G35A0404 | REDDY RAKESH KUMAR           | ECE        | Rakesh            |
| 59     | 16G31A0421 | KURUVA SREEKANTH             | ECE        | Sreekanth         |
| 60     | 17G31A0443 | K.SIVAKUMAR                  | ECE        | K. Sivakumar      |

COORDINATOR  
COORDINATOR

HOD  
HOD  
Dept. of Electronics & Communication Engineering  
St. John's College of Engineering & Technology  
Yerrakota, Yemmiganur - 518 360  
KURNOOL (Dist.), A.P.





# **St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Date: 22.02.2022**

### **Program Report**

**Name of the Event:** A Certified Program on 4G COMMUNICATIONS

**Date/Duration:** 05.02.2022 to 22.02.2022/ 15 Days

**Resource Person Details:** Dr. K. Govindurajulu

**Name of Coordinator:** Mr. T Chakrapani

**Number of Students completed/enrolled:** 60

#### **Objective of Event:**

- Mobile Communication Technologies classification
- Fourth-generation wireless Communication

#### **Topics Covered:**

- Features of 4G Communications
- Types of Mobile Communication

#### **Outcome of Program:**

- Challenges in Mobile Communication
- Future of Mobile Communication

  
**Program Coordinator**

T. Chakrapani

  
**HOD**

**H.O.D.**

Dept. of Electronics & Communication Engineering  
St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur - 518 360  
KURNOOL (Dist), A.P.





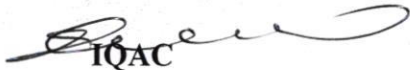
## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR :: DEPARTMENT OF MECHANICAL ENGINEERING

Date: 25.01.2022

All the II-B.Tech I-Sem Students are here by informed that the Department of Mechanical Engineering, SJ CET is conducting a **Certificate Program** on “**Heat Transfer and Computational Fluid Dynamics towards Industrial Application**”. The program will held from 07.02.2022-19.02.2022 under the coordination of **Mr. G Md Javeed Basha**, Assistant. Professor. Interested candidates can enroll their names on or before 04.02.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.



**Co-ordinator, IQAC**

**St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)**



**PRINCIPAL**

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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 07.02.2022

### Day-Wise-Schedule


Name of the Program: **A Certified Program on “Heat Transfer and Computational Fluid Dynamics towards Industrial Application”**

**Academic Year: 2021-2022**

Program Duration: 07.02.2022-19.02.2022

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 07.02.2022 | Introduction, properties and application of thermodynamics to pure substance, other equations of state like Vander walls, Berthelot, Dieterici |
| 2    | Tuesday   | 08.02.2022 | Mathematical theorems, Helmholtz and Gibb's function, T-ds equations   |
| 3    | Wednesday | 09.02.2022 | condition for chemical equilibrium; equilibrium and third law; phase equilibrium   |
| 4    | Thursday  | 10.02.2022 | Classification and Overview of Numerical Methods   |
| 5    | Friday    | 11.02.2022 | Finite Difference Technique: Finite difference methods;  |
| 6    | Saturday  | 12.02.2022 | Finite Volume Technique: Finite volume methods   |
| 7    | Monday    | 14.02.2022 | Rayleigh-Ritz, Galerkin and Least square methods; interpolation functions  |
| 8    | Tuesday   | 15.02.2022 | :Solution of finite difference equations; iterative methods; matrix inversion methods  |
| 9    | Wednesday | 16.02.2022 | Time integration Methods: Single and multilevel methods; predictor corrector methods   |
| 10   | Thursday  | 17.02.2022 | Numerical Grid Generation: Numerical grid generation; basic ideas; transformation and mapping.   |
| 11   | Friday    | 18.02.2022 | Navier-Stokes Equations: Explicit and implicit methods; SIMPLE type methods; fractional step methods.  |
| 12   | Saturday  | 19.02.2022 | Turbulence modeling: Reynolds averaged Navier-Stokes equations, RANS modeling, DNS and LES.  |

  
COORDINATOR

  
HOD  
A. O. D.

Department of Mechanical Engg  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist (A.P.)





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Students


Year/Sem: II-I

A Certificate Program on "Heat Transfer and Computational Fluid Dynamics towards Industrial Application"

Academic Year:2021-2022

| S.No. | Roll No.   | Name of the Student     | Department | Student Signature  |
|-------|------------|-------------------------|------------|--------------------|
| 1     | 20G31A0301 | BARIKI CHARAN           | ME         | Charan             |
| 2     | 20G31A0302 | D MOHAMMED SAMI RAZA    | ME         | Sami               |
| 3     | 20G31A0303 | GOLLA VAMSHI KRISHNA    | ME         | Vamshi             |
| 4     | 20G31A0304 | KOTAKONDA KOUSHIK       | ME         | Koushik            |
| 5     | 20G31A0305 | KURUVA SIVA KUMAR       | ME         | Shivakumar         |
| 6     | 20G31A0306 | LINGA BALIJA SHIVA RAJU | ME         | L.B. Shivaraju     |
| 7     | 20G31A0307 | MUDAMUCHU SAI PRASANTH  | ME         | Prasanth           |
| 8     | 20G31A0308 | VADDE SHYM SUNDAR       | ME         | Sundar             |
| 9     | 21G35A0301 | BUTTA RANGESWANATH      | ME         | Rangeswanath       |
| 10    | 21G35A0302 | DAMODHARAM KIRAN        | ME         | Kiran              |
| 11    | 21G35A0303 | G GOPAL                 | ME         | G. Gopal           |
| 12    | 21G35A0304 | GANDHALA SAJEEVA RAJU   | ME         | Sajeev Raj         |
| 13    | 21G35A0305 | KATAKAM SAI GANESH      | ME         | K. Sai Ganesh      |
| 14    | 21G35A0306 | MALA SIVA               | ME         | M. Siva            |
| 15    | 21G35A0307 | MITIKIRI YUVARAJU       | ME         | M. Yuvaraju        |
| 16    | 21G35A0308 | S PRATHYUSH KUMAR       | ME         | S. Prathyush Kumar |
| 17    | 21G35A0309 | T UDAY KIRAN            | ME         | T. Uday            |
| 18    | 21G35A0310 | THATIKONDA RAJESH       | ME         | T. Rajesh          |
| 19    | 21G35A0311 | UPPARA VINOD KUMAR      | ME         | U. Vinod Kumar     |
| 20    | 21G35A0312 | YELURU UDAY KIRAN       | ME         | Y. Uday Kiran      |

  
Coordinator

  
HOD  
A U L  
Department of Mechanical Engg  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist (A.P.)





**DEPARTMENT OF MECHANICAL ENGINEERING**

**Date: 22.02.2022**

**Program Report**

**Name of the Event:** A Certification Program on “Heat Transfer and Computational Fluid Dynamics towards Industrial Applications”

**Date/Duration:** 07.02.2022 to 19.02.2022 (Two Weeks)

**Resource Person Details:** Mr. S Kamalesh Rao, Assistant Professor, ME, Cell: 9640114169

**Name of Coordinator:** Mr. G Md Javeed Basha, Assistant Professor, ME, Cell: 9160241164

**Number of Students completed/enrolled:** 18/20

**Objective of Event:** To provide basic computational fluid dynamics towards industrial applications. To learn basic and advances in Mechanical Engineering and Informatics, applicable in practical life. To outline recent developments in industrial applications and management and their scopes. To contribute to the creation, transmission and application of knowledge. To do research and publications of international standard in inter-disciplinary areas.

**Topics Covered:** Introduction, properties and application of thermodynamics. Mathematical theorems, Helmholtz and Gibb's function, T-ds equations. Finite Difference Technique. Finite Volume Technique. Time integration Methods. Numerical Grid Generation. Turbulence modeling.

**Outcome of Program:** This course gives you hands-on training in CFD coding. After completing this course, students will be able to write simple solvers and turbulence models in MATLAB and Open FOAM framework. They will be able to perform CFD meshing in ANSA and simulate and solve advanced CFD problems in different fields using CONVERGE. This course enables them to understand and improve engine calibration, performance and emission using GT-POWER & GT-SUITE.

  
**Program Coordinator**

  
**HOD**

**H. O. D.**  
**Department of Mechanical Engg.**  
**St. Johns College of Engineering & Technology**  
**Yerrakota, YEMMIGANUR, Kurnool Dist (A.P.)**





## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR

Date: 02.03.2022

All the III-B.Tech Students are here by informed that the Department of Computer Science and Engineering, SJCET is conducting a Certificate program on “**Green Cloud Computing**”. The program will held from 07.03.2022-25.03.2022 under the coordination of Mr. **T. Abdul Raheem**, Assistant Professor of the CSE department. Interested candidates can enroll their names on or before 05.03.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

Co-ordinator, IQAC  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

Date: 07.03.2022

## Day-Wise-Schedule


Name of the Program: Certificate Program on “Green Cloud Computing”


Academic Year: 2021-2022

Program Duration: 07.03.2022-25.03.2022

| S.NO | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Monday    | 07.03.2022 | A general introduction to the concept of cloud based distributed computing.   |
| 2    | Tuesday   | 08.03.2022 | Hardware technologies for cloud computing   |
| 3    | Wednesday | 09.03.2022 | A survey of the possible node hardware and high-speed networking hardware and software.   |
| 4    | Thursday  | 10.03.2022 | Software for cloud computing  |
| 5    | Friday    | 11.03.2022 | Software and software architectures for cloud computing   |
| 6    | Saturday  | 12.03.2022 | shared memory (OpenMP) and message-passing (MPI/PVM) models   |
| 7    | Monday    | 14.03.2022 | Programming, features and performance of standard MPI variants (LAM/MPICH/vendor specific MPI versions)   |
| 8    | Tuesday   | 15.03.2022 | MPI-2 extension, dynamic process creation, one-sided communication, parallel I/O.   |
| 9    | Wednesday | 16.03.2022 | Variants based on new low level protocols (MVAPICH), evaluation and tuning of system and software performance                                       |
| 10   | Thursday  | 17.03.2022 | Linux for clouds, cloud monitoring.   |
| 11   | Saturday  | 19.03.2022 | Performance evaluation tools, HINT, netperf, netpipe, ttcp, lperf.  |
| 12   | Monday    | 21.03.2022 | Setting up Clouds: OSCAR, NPCAI Rocks, Score etc.   |
| 13   | Tuesday   | 22.03.2022 | Parallel I/O and Parallel Virtual File System   |
| 14   | Wednesday | 23.03.2022 | Managing cloud resources: single system images, system level middleware, distributed task scheduling, monitoring and administering system resources |
| 15   | Thursday  | 24.03.2022 | Scheduling: Condor, Maui Scheduler, Portable Batch System (PBS)   |
| 16   | Friday    | 25.03.2022 | Brief overview of meta-clouding: the Computational Grid, Globus, Grid Portals, Java RMI, Jini   |

  
COORDINATOR

  
HOD  
DEPARTMENT OF CSE  
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# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### List of Students : III - B.Tech.

#### A Certificate Program on "Green Cloud Computing"





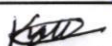
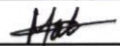


Academic Year: 2021-2022

| S.I.no | Roll No.   | Name of the Student                    | Department | Student Signature  |
|--------|------------|--|------------|--------------------|
| 1      | 19G31A0501 | AVIJA KASTURI                          | CSE        | A. Kasturi         |
| 2      | 19G31A0502 | B CHARAN BABU                          | CSE        | B. Charan Babu     |
| 3      | 19G31A0503 | BOGGULA MAMATHA                        | CSE        | B. Mamatha         |
| 4      | 19G31A0504 | BOMMASETTY MAHALAKSHMI                 | CSE        | Mahalakshmi        |
| 5      | 19G31A0505 | C MOHAMMED JAMEEL AHMED                | CSE        | Ahmed, C           |
| 6      | 19G31A0506 | CHEDDE NAVEEN KUMAR                    | CSE        | C. Naveen Kumar    |
| 7      | 19G31A0507 | DIWAN SHASHAVALI                       | CSE        | Shashavali         |
| 8      | 19G31A0508 | EDIGA ANIL KUMAR                       | CSE        | Anil Kumar         |
| 9      | 19G31A0509 | EDIGA ISHWARYA                         | CSE        | Ishwarya           |
| 10     | 19G31A0510 | GANAPA SATHISH                         | CSE        | G. Sathish         |
| 11     | 19G31A0511 | GANAPA SUDHA                           | CSE        | Sudha              |
| 12     | 19G31A0512 | GANESHI NAVEENA                        | CSE        | Naveen G           |
| 13     | 19G31A0513 | GOLLA MANOHAR                          | CSE        | G. Manohar         |
| 14     | 19G31A0514 | GOWLLA RAMI REDDY                      | CSE        | Rami Reddy         |
| 15     | 19G31A0515 | GUNDIMI NEHA                           | CSE        | Neha               |
| 16     | 19G31A0516 | JAGATAPU SULOCHANA                     | CSE        | Sulochana          |
| 17     | 19G31A0517 | JAMPAPURAM MANASA                      | CSE        | Manasa             |
| 18     | 19G31A0518 | JINDE JAYASREE BAI                     | CSE        | Jayasree           |
| 19     | 19G31A0519 | K AYYUB ANSARI                         | CSE        | K. Ayyub Ansari    |
| 20     | 19G31A0520 | KAKARLA TAGORE SATHYANARAYANA CHOWDARY | CSE        | K. Tagore          |
| 21     | 19G31A0521 | KALLAPARI KARISHMA                     | CSE        | K. Karishma        |
| 22     | 19G31A0522 | KAMARTHI SWETHA                        | CSE        | K. Swetha          |
| 23     | 19G31A0523 | KAMSALI VINEETH                        | CSE        | Vineetha           |
| 24     | 19G31A0524 | KATIKE MANSOOR                         | CSE        | K. Mansoor         |
| 25     | 19G31A0525 | KODI AKHIL KUMAR                       | CSE        | Akhil              |
| 26     | 19G31A0526 | KUMMARI BHEEMESH                       | CSE        | Bheemesh           |
| 27     | 19G31A0527 | KUNIGIRI HEMANTH                       | CSE        | Hemant             |
| 28     | 19G31A0528 | KUNIGIRI VARNITHA                      | CSE        | Varnitha           |
| 29     | 19G31A0530 | LALKOT AZHAR AZAN PASHA                | CSE        | Azhar Azan Pasha   |
| 30     | 19G31A0531 | M NIKHIL SAI                           | CSE        | M. Nikhil Sai      |
| 31     | 19G31A0532 | MAHALTY MEHBOOB HASAN                  | CSE        | M. Mehboob Hasan   |
| 32     | 19G31A0533 | MALLAMPALLI KONGATHI POORNA CHANDRIKA  | CSE        | M. Purna Chandrika |


### List of Students : III - B.Tech.

#### A Certificate Program on "Green Cloud Computing"

Academic Year: 2021-2022

| S.I.no | Roll No.   | Name of the Student            | Department | Student Signature   |
|--------|------------|--------------------------------|------------|---|
| 33     | 19G31A0534 | MANUKRINDA SAI INDU            | CSE        |    |
| 34     | 19G31A0535 | MEDARI USHA                    | CSE        | M. Usha.  |
| 35     | 19G31A0536 | MULLA ALTHAF AHAMMED           | CSE        | Ahmed.  |
| 36     | 19G31A0537 | NAGALADINNE NAMIRA JAHAN       | CSE        | Namira  |
| 37     | 19G31A0538 | NAGARAJ NIKHIL                 | CSE        | Nikhil  |
| 38     | 19G31A0539 | NANDALA PRAKOWSALYA NARASIMHA  | CSE        | Narsu Simha   |
| 39     | 19G31A0541 | P PAVAN                        | CSE        |    |
| 40     | 19G31A0542 | PERAM SRAVANI                  | CSE        |    |
| 41     | 19G31A0543 | PINJARI THARA BEE              | CSE        | P. Thara  |
| 42     | 19G31A0545 | REDDYGARI KIRAN KUMAR REDDY    | CSE        |    |
| 43     | 19G31A0546 | SAKARAY MANOJ                  | CSE        | S. manoj  |
| 44     | 19G31A0547 | SANAKHAN SHAMROZE KOUSER       | CSE        |    |
| 45     | 19G31A0548 | SANNAKKA GARI NARASIMHULU      | CSE        | S. Narasimhulu  |
| 46     | 19G31A0549 | SAPARE SHIVAKUMAR              | CSE        | Shivakumar  |
| 47     | 19G31A0550 | SHAIK MAHABOOB                 | CSE        |  |
| 48     | 19G31A0551 | SHAIK MD TOUFIQ BASHA          | CSE        | Basha   |
| 49     | 19G31A0552 | SHAIK MOHAMMED SYFUDDIN        | CSE        | Mohammed Sy.  |
| 50     | 19G31A0554 | SURIPOGULA PAVAN RAJ           | CSE        |  |
| 51     | 19G31A0555 | UPPARA KEDHARNATH              | CSE        | Kedarnath   |
| 52     | 19G31A0556 | UPPARA RAKESH                  | CSE        | U. Rakesh   |
| 53     | 19G31A0557 | UPPARA SONIYA                  | CSE        | S. Soniya   |
| 54     | 19G31A0558 | UPPARA URAVAKONDA VIVEK HARSHA | CSE        | U. V. Vivek   |
| 55     | 19G31A0559 | UTHANURU SAI NAVYA             | CSE        | Navya   |
| 56     | 19G31A0560 | VAMSI KRISHNA REDDY GUDIPATI   | CSE        |  |

  
Co-ordinator

  
HOD  
H.O.D.  
DEPARTMENT OF CSE  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)





**Date: 28.03.2022**

**Program Report**

**Name of the Event: Certificate Program on “Green Cloud Computing”**

**Date/Duration: 07.03.2022 to 25.03.2022 / 16 Days**

**Resource Person Details: Mr. G. Vishwanath, Assot, Prof, SJCET.**

**Name of Coordinator: Mr. T. Abdul Raheem, Asst.Prof, SJCET.**

**Number of Students completed/enrolled: 56**

**Objective of Event:**

This course will investigate Green Cloud of computers as a computing platform for distributed computing. By the end of the course, each student should understand specific hardware and software tradeoffs for Cloud and application performance, and the issues involved in deployment and programming of a Cloud of computers. Each student will complete a project based on Cloud computing and/or Cloud deployment and management. Course material will come from texts and assigned readings.

**Topics Covered:**

- A general introduction to the concept of Cloud based distributed computing.
- Hardware technologies for cloud computing, including a survey of the possible node hardware and high-speed networking hardware and software.
- Software for cloud computing
- Software and software architectures for cloud computing, including both shared memory (OpenMP) and message-passing (MPI/PVM) models
- MPI-2 extension, dynamic process creation, one-sided communication, parallel I/O.
- Linux for cloud, cloud monitoring.
- Performance evaluation tools, HINT, netperf, netpipe, ttcp, Iperf.
- Configuring and Tuning Clouds: This will involve evaluation of the performance of various nodes and networking hardware such as Gigabit Ethernet, Myrinet, Infiniband, Quadrics etc.

**Outcome of Program:**

- Each student will understand and complete a project based on Cloud computing and/or Cloud deployment and management.
- Each student should understand specific hardware and software tradeoffs for Cloud and application performance.
- Each student will get Course material will come from texts and assigned readings.



## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR:: DEPARTMENT OF CIVIL ENGINEERING

**Date: 15.03.2022**

All the III-B.Tech I-Sem Students are here by informed that the Department of Civil Engineering, SJ CET is conducting “A **Certificate Program on Kinetic Roads**”. The program will held from 21.03.2022-31.03.2022 under the coordination of **Mr. E. Nathanielu**, Asst.Prof of the department. Interested candidates can enroll their names on or before 19.03.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

**Co-ordinator, IQAC**

St. Johns College of Engineering & Technology  
Yemmiganur. Kurnool (Dist.)

**PRINCIPAL**

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# **St. John's College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## **DEPARTMENT OF CIVIL ENGINEERING**

Date: 21.03.2022

### **Day-Wise-Schedule**

Name of the Program: **A Certificate Program on Kinetic Roads**

**Academic Year: 2021-2022**

Program Duration: 21.03.2022-31.03.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Monday    | 21.03.2022 | Introduction to Kinetic Roads   |
| 2    | Tuesday   | 22.03.2022 | Energy harvesting in transportation infrastructures   |
| 3    | Wednesday | 23.03.2022 | Road pavement devices   |
| 4    | Thursday  | 24.03.2022 | Road pavement energy harvesting device for speed reduction purposes                                     |
| 5    | Friday    | 25.03.2022 | Integration of a mechanical energy storage system in a road pavement energy harvesting hydraulic device |
| 6    | Saturday  | 26.03.2022 | Solar energy harvesting on road pavements   |
| 7    | Monday    | 28.03.2022 | Photovoltaic, Thermoelectric, Asphalt solar collector techniques  |
| 8    | Tuesday   | 29.03.2022 | Piezoelectric, Electromagnetic technology and technical analysis  |
| 9    | Wednesday | 30.03.2022 | Road pavement devices-speed reducers, energy harvesting devices and energy captured devices             |
| 10   | Thursday  | 31.03.2022 | Surface profiles, VRI models with movable surface, mechanical system modelling                          |

**COORDINATOR**

**HOD**

**HOD**  
Civil Engineering Department  
St. John's College of Engg. & Tech., Yerrakota



# St. JOHN'S COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

### List of Students

Year/Sem: III-I

A Certificate Program on "Kinetic Roads"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student     | Department | Student Signature     |
|--------|------------|-------------------------|------------|-----------------------|
| 1      | 20G31A0110 | KANIKE MAHALAKSHMI      | CE         | Maha                  |
| 2      | 20G31A0111 | KAPA MALLIKARJUNA REDDY | CE         | K. Mallikarjuna Reddy |
| 3      | 20G31A0112 | KATIKE SRIDHAR          | CE         | K. Sridhar            |
| 4      | 20G31A0113 | KURUVA RAVI KUMAR       | CE         | K. Ravi Kumar         |
| 5      | 20G31A0114 | MADHIRE VALI BASHA      | CE         | M. Valibasha          |
| 6      | 20G31A0115 | MADROLU SUNEEL          | CE         | M. Sunel              |
| 7      | 20G31A0116 | MALA RAVI KUMAR         | CE         | M. Ravi Kumar         |
| 8      | 20G31A0117 | MANGALI MADHUSUDHAN     | CE         | M. Madhusudhan        |
| 9      | 20G31A0118 | MONE SRUTHI             | CE         | M. Sruthi             |
| 10     | 20G31A0119 | MULLA MUJUNA            | CE         | M. Mujuna             |
| 11     | 20G31A0120 | MURALE NAVEENA          | CE         | M. Naveena            |
| 12     | 20G31A0121 | SHAIK ABDUL RAHAMAN     | CE         | S. Abdul Rahman       |
| 13     | 20G31A0122 | UPPARA SAI KUMAR        | CE         | U. Sai Kumar          |
| 14     | 20G31A0123 | YERUKALA SAI KIRAN      | CE         | Y. Sai Kiran          |
| 15     | 21G35A0101 | GOLLA UPENDRA KUMAR     | CE         | G. Upendra            |
| 16     | 21G35A0102 | KANIKE VEERENDRANATH    | CE         | K. Veerendranath      |
| 17     | 21G35A0103 | MADUGUNDU GANESH        | CE         | M. Ganesh             |
| 18     | 21G35A0104 | MADUGUNDU RAVI TEJA     | CE         | M. Ravi Teja          |
| 19     | 21G35A0105 | MEGADONI MAHENDRA       | CE         | M. Mahendra           |
| 20     | 21G35A0106 | VADDE SATEESH KUMAR     | CE         | V. Sateesh            |

Co-ordinator

HOD

HOD  
Civil Engineering Department  
St. John's College of Engg. & Tech., Yerrakota





**DEPARTMENT OF CIVIL ENGINEERING**

**Date: 03.04.2022**

**Program Report**

**Name of the Event:** A Certificate Program on Kinetic Roads

**Date/Duration:** 21.03.2022-31.03.2022/ 10 DAYS

**Resource Person Details:** Dr. P. Lakshmaiah Chowdary

**Name of Coordinator:** Mr. E. Nathanielu

**Number of Students completed/enrolled:** 20

**Objective of Event:**

- The development of a new system to convert the energy released by vehicles to the road pavement into electrical energy
- The electricity deficit in India is facing is acute and needs a full proof solutions to be implemented through alternative means.
- Roads are one of very few means which connect even the remotest part of this country.

**Topics Covered:**

- Energy harvesting in transportation infrastructures.
- Road pavement devices
- Road pavement energy harvesting device for speed reduction purposes
- Integration of a mechanical energy storage system in a road pavement energy harvesting hydraulic device

**Outcome of Program:**

- To know the Energy harvesting techniques in transportation infrastructures.
- How to generate the power from the kinetic roads

**Program Coordinator**

**HOD**

**Civil Engineering Department**  
**St. Johns College of Eng. & Tech., Yerrakota**




St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

**CIRCULAR :: DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Date: 01.04.2022

All the III-B.Tech II-Sem Students are hereby informed that the Department of EEE, SJCTET is conducting "A **Certificate Program** on "**MACHINE LEARNING IN ELECTRICAL SYSTEMS**". The program will be held from 03.04.2022-24.04.2022 under the coordination of **Mr. M.SHIVA KUMAR**, Assistant Professor. Interested candidates can enroll their names on or before 02.04.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
Co-ordinator, IQAC  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
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# St. Johns College of Engineering & Technology

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Date: 03.04.2022

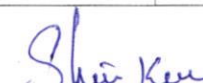
## Day-Wise-Schedule


Name of the Program: A certificate program on Machine learning in Electrical Systems  
Academic Year: 2021-2022

Program Duration: 03.04.2022-24.04.2022

Time: 10:00 AM to 12:00 PM

| S.NO | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Saturday  | 03.04.2022 | the basic concepts of machine learning from a mathematics                                   |
| 2    | Monday    | 05.04.2022 | Statistical Decision Theory - Regression, Classification, Bias Variance                     |
| 3    | Tuesday   | 06.04.2022 | Linear Regression, Multivariate Regression  |
| 4    | Wednesday | 07.04.2022 | Linear Classification, Logistic Regression, Linear Discriminant Analysis                    |
| 5    | Thursday  | 08.04.2022 | Machine Learning Perceptron for Support Vector Machines                                     |
| 6    | Friday    | 09.04.2022 | Neural Networks - Introduction, Early Models  |
| 7    | Monday    | 12.04.2022 | Initialization, Training & Validation, Parameter Estimation - MLE, MAP, Bayesian Estimation |
| 8    | Tuesday   | 13.04.2022 | Ensemble Methods - Bagging, Committee Machines and tacking, Boosting                        |
| 9    | Wednesday | 14.04.2022 | Undirected Graphical Models, HMM, Density-based Clustering, Belief Propagation              |
| 10   | Thursday  | 15.04.2022 | Partitional Clustering, Hierarchical Clustering   |
| 11   | Saturday  | 16.04.2022 | Birch Algorithm, CURE Algorithm, Density-based Clustering                                   |
| 12   | Monday    | 17.04.2022 | Gaussian Mixture Models, Expectation Maximization   |
| 13   | Tuesday   | 18.04.2022 | Learning Theory, Introduction to Reinforcement Learning                                     |
| 14   | Wednesday | 19.04.2022 | RL framework, TD learning   |
| 15   | Thursday  | 20.04.2022 | Solution Methods, Applications  |
| 16   | Friday    | 21.04.2022 | Density-based Clustering  |
| 17   | Saturday  | 22.04.2022 | Belief Propagation of Machine learning  |
| 18   | Monday    | 24.04.2022 | Next level Process of Machine learning in Electrical Systems                                |

  
COORDINATOR

  
HOD

  
PRINCIPAL  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P.



# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## List of Students

Year/Sem:III-II

A Certificate Program on "MACHINE LEARNING IN ELECTRICAL SYSTEM"

| Academic Year:2021-2022 |             |                             |            |                         |
|-------------------------|-------------|-----------------------------|------------|-------------------------|
| S.NO                    | ROLL NUMBER | NAME OF THE STUDENT         | DEPARTMENT | STUDENT SIGNATURE       |
| 1                       | 19G31A0201  | B CHANDRA SHEKAR            | EEE        | B. Chandrashekar        |
| 2                       | 19G31A0202  | BALA KRISHNA KURUVA         | EEE        | Balaji                  |
| 3                       | 19G31A0203  | CHAKALI GANESH              | EEE        | Ganesh                  |
| 4                       | 19G31A0204  | CHAKALI RAVITEJA            | EEE        | C. Raviteja             |
| 5                       | 19G31A0205  | DAMAKA DIVYA                | EEE        | D. Divya                |
| 6                       | 19G31A0206  | G SANDYA RANI               | EEE        | G. Sandya Rani          |
| 7                       | 19G31A0207  | GADIGE DATTA SAINATH        | EEE        | G. Sainath              |
| 8                       | 19G31A0208  | GONEGANDLA SHIVARAMUDU      | EEE        | G. Shivarudra           |
| 9                       | 19G31A0209  | GOWRISETTY BHANU PRAKASH    | EEE        | G. Bhuvan Prakash       |
| 10                      | 19G31A0210  | J MONIKA                    | EEE        | J. Monica               |
| 11                      | 19G31A0211  | KAMARTHI RAKESH             | EEE        | K. Rakesh               |
| 12                      | 19G31A0212  | KANDKOORI ANANDA RAMANI     | EEE        | K. Anand Ramani         |
| 13                      | 19G31A0213  | KATTUBADI HYMAD             | EEE        | K. Hymad                |
| 14                      | 19G31A0214  | L B MAHESH BABU             | EEE        | L.B. Mahesh Babu        |
| 15                      | 19G31A0215  | MALLEPOGU SALOMI            | EEE        | M. Salomi               |
| 16                      | 19G31A0216  | MANIKINDI JAGADEESH         | EEE        | M. Jagadeesh            |
| 17                      | 19G31A0217  | MUDUMALA BHASKAR NAIDU      | EEE        | M. Bhaskar Naidu        |
| 18                      | 19G31A0218  | NADUGENIGERI RAJESWARI      | EEE        | N. Rajeswari            |
| 19                      | 19G31A0219  | NAGIRI RAMALINGESWARA REDDY | EEE        | N. Ramalingeswara Reddy |
| 20                      | 19G31A0220  | NASARI HARIKA               | EEE        | N. Harika               |
| 21                      | 19G31A0221  | POTLAPADU SURYAM            | EEE        | P. Suryam               |
| 22                      | 19G31A0222  | SAPPOGU SWETHA              | EEE        | S. Swetha               |
| 23                      | 19G31A0223  | SEELA LAKSHMANNA            | EEE        | S. Lakshmanna           |
| 24                      | 19G31A0224  | SUDIGUNDU KAVITHA           | EEE        | S. Kavitha              |
| 25                      | 19G31A0225  | TERNEKAL KATIKE SHABBIR     | EEE        | T. K. Shabbir           |
| 26                      | 20G35A0201  | AKULA NARASIMHA             | EEE        | A. Narasimha            |
| 27                      | 20G35A0202  | BESTHA MADHUSUDHAN          | EEE        | B. Madhusudhan          |
| 28                      | 20G35A0203  | BOYA RAVITEJA               | EEE        | B. Raviteja             |
| 29                      | 20G35A0204  | BOYA SHANKAR                | EEE        | B. Shankar              |
| 30                      | 20G35A0205  | EDIGA DASARATH GOWD         | EEE        | E. Dasarath Gowd        |
| 31.                     | 20G35A0206  | G. SUDHAKAR                 | EEE        | G. Sudhakar             |



| Academic Year:2021-2022 |             |                        |            |                   |
|-------------------------|-------------|------------------------|------------|-------------------|
| S.NO                    | ROLL NUMBER | NAME OF THE STUDENT    | DEPARTMENT | STUDENT SIGNATURE |
| 32                      | 20G35A0207  | GANGUNDI BHANUPRASAD   | EEE        | G. Bhanu prasad   |
| 33                      | 20G35A0208  | GUDLA HUSSENI          | EEE        | G. Husseni        |
| 34                      | 20G35A0209  | JANGAM DIVAKAR         | EEE        | J. Divakar        |
| 35                      | 20G35A0210  | KACHAPURAM SOMA SEKHAR | EEE        | K. Soma sekhar    |
| 36                      | 20G35A0211  | KADUBAI ABILASH        | EEE        | K. Abilash        |
| 37                      | 20G35A0212  | KENDOLE SANDEEP        | EEE        | K. Sandeep        |
| 38                      | 20G35A0213  | KODIGANTI THARUN       | EEE        | K. Tharun         |
| 39                      | 20G35A0214  | KURUVA VENU            | EEE        | K. Venu           |
| 40                      | 20G35A0215  | UPPARA RAMESH          | EEE        | E. Ramesh         |
| 41                      | 20G35A0216  | UPPARA RAVIKUMAR       | EEE        | U. Ravi Kumar     |
| 42                      | 20G35A0217  | VADDE VEERESH          | EEE        | V. Veeresh        |
| 43                      | 20G35A0218  | VAJRAGIRI VINOD KUMAR  | EEE        | V. Vinod Kumar    |

M. Shree Kumar  
Co ordinator

K. J. G.

HOD

H. O. D.

Department of E. E. E.  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)



**DEPARTMENT OF EEE**

**Date: 26.04.2022**

**Program Report**

**Name of the Event: MECHINE LEARNING IN ELECTRICAL SYSTEMS**

**Date/Duration:(03.04.2022-24.04.2022)/15**

**Resource Person Details:Mr. C Vijay Kumar** Asst.Prof, in Dept. of EEEBITS, Adoni

**Name of Coordinator: Mr M.SHIVA KUMAR** Asst. Prof of the EEE department

**Number of Students completed/enrolled: 43/43**

**Objective of Event:** To study the concept of mechine leaning from electrical systems

**Topics Covered:**

- The basic concepts of machine learning from a mathematics
- Initialization, Training & Validation, Parameter Estimation- MLE, MAP, Bayesian Estimation
- Birch Algorithm, CURE Algorithm, Density-based Clustering
- Application of machine learning

**Outcome of Program:**

- To study the Linear Regression, Multivariate Regression
- To get Idea on Ensemble Methods- Bagging, Committee Machines and tacking, Boosting
- To cover the all area of mechine learning in electrical system

  
**Program Coordinator**

  
**HOD**






## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR :: DEPARTMENT OF MECHANICAL ENGINEERING

Date: 08.04.2022


All the III-B.Tech II-Sem Students are here by informed that the Department of Mechanical Engineering, SJ CET is conducting a **Certificate Program** on **“Introduction to Robot and Satellite Engineering”**. The program will held from 18.04.2022-30.04.2022 under the coordination of **Mr. K Nagaraju**, Assistant. Professor. Interested candidates can enroll their names on or before 15.04.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
IQAC  
Co-ordinator,  
St. Johns College of Engineering,  
Yemmiganur, Kurnool (Dist)

  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 18.04.2022

### Day-Wise-Schedule

Name of the Program: **A Certified Program on “Introduction to Robot and Satellite Engineering”**

**Academic Year: 2021-2022**

Program Duration: 18.04.2022-30.04.2022

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 18.04.2022 | Introduction to robotics, classification of robots, workspace analysis                               |
| 2    | Tuesday   | 19.04.2022 | Manipulator Kinematics: Convention for affixing frames to links – DH Representation                  |
| 3    | Wednesday | 20.04.2022 | Derivation of Direct kinematic equations for various types of robots. Inverse Manipulator Kinematics |
| 4    | Thursday  | 21.04.2022 | Solvability, algebraic vs. geometric, Pipers solution when three axes intersect                      |
| 5    | Friday    | 22.04.2022 | Examples of inverse manipulator kinematics, repeatability and accuracy                               |
| 6    | Saturday  | 23.04.2022 | Jacobians: Velocities and static forces: Linear and rotational velocity of rigid bodies              |
| 7    | Monday    | 25.04.2022 | velocity propagation from link to link, jacobians, singularities, static forces in manipulators      |
| 8    | Tuesday   | 26.04.2022 | jacobians in force domain, Cartesian transformation of velocities and static forces.                 |
| 9    | Wednesday | 27.04.2022 | Trajectory Generation: General consideration in path description and generation                      |
| 10   | Thursday  | 28.04.2022 | Joint space schemes, collision free path planning, Robot programming                                 |
| 11   | Friday    | 29.04.2022 | Sensing and vision – range sensors, proximity sensors, touch sensors, force and torque sensors       |
| 12   | Saturday  | 30.04.2022 | Low level and high-level vision. Robot intelligence and task planning                                |

*Nag*  
COORDINATOR

*[Signature]*  
HOD  
**H. O. D.**  
Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Yerrakota YEMMIGANUR Kurnool Dist. A.P.





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Students

Year/Sem: III-II

A Certificate Program on "Introduction to Robot and Satellite Engineering"

Academic Year:2021-2022

| S.No. | Roll No.   | Name of the Student              | Department | Student Signature |
|-------|------------|----------------------------------|------------|-------------------|
| 1     | 19G31A0301 | CHAKALI GOPAL                    | ME         | C. Gopal          |
| 2     | 19G31A0302 | CHAKALI VENKANNA                 | ME         | C. Venkanna       |
| 3     | 19G31A0304 | K SAIPAVAN                       | ME         | K. SAIPAVAN       |
| 4     | 19G31A0305 | KATIKE SHAIKSHAVALI              | ME         | K. Sh             |
| 5     | 19G31A0306 | MADRI RAVI KUMAR                 | ME         | M. Ravi Kumar     |
| 6     | 19G31A0307 | MALLAREDDYGARI VINOD KUMAR REDDY | ME         | M. Vinod Kumar    |
| 7     | 19G31A0308 | MOLAGAVALLI SHAIK SAMEER         | ME         | M. S. Sameer      |
| 8     | 19G31A0309 | NIREKAT MAHAMMAD RAHAMAT ELAHI   | ME         | N. Rahamat Elahi  |
| 9     | 19G31A0310 | PREMARA SELVA RAJU               | ME         | P. Selvaraju      |
| 10    | 19G31A0311 | SHAIK NABI SHAFAYATH             | ME         | S. Nabi           |
| 11    | 19G31A0312 | VADDE RAVI TEJA                  | ME         | V. Ravi Teja      |
| 12    | 19G31A0313 | YADAGANI GURUCHARAN              | ME         | Y. Gurucharan     |
| 13    | 19G81A0302 | UPPARA VIKAS                     | ME         | U. Vikas          |
| 14    | 20G35A0301 | C.NARASIMHUDU                    | ME         | C. Narasimhudu    |
| 15    | 20G35A0302 | C.RAVI                           | ME         | C. Ravi           |
| 16    | 20G35A0303 | K.PRAVEEN KUMAR                  | ME         | K. Praveen        |
| 17    | 20G35A0304 | K.VINAY                          | ME         | K. Vinay          |
| 18    | 20G35A0305 | M.VAMSHI                         | ME         | M. Vamsi          |
| 19    | 20G35A0306 | M.D.SAGAR                        | ME         | M. D. Sagar       |
| 20    | 20G35A0307 | N.PAVAN KUMAR                    | ME         | N. Pavan Kumar    |
| 21    | 20G35A0308 | P VINEETH KUMAR                  | ME         | P. Vineeth Kumar  |
| 22    | 20G35A0309 | S MD REHAN ALI                   | ME         | S. Md. Rehan Ali  |

Nag  
Co-ordinator

HOD

H. O. D.

Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Yerrakota YEMMIGANUR, Kurnool Dist. (A.P.)





**DEPARTMENT OF MECHANICAL ENGINEERING**

**Date: 03.05.2022**

**Program Report**

**Name of the Event:** A Certification Program on “Introduction to Robot and Satellite Engineering”

**Date/Duration:** 18.04.2022 to 30.04.2022 (2 Weeks)

**Resource Person Details:** Mr. M Ravi Sankara VaraPrasad, Assoc. Professor, ME, Cell: 9440958056

**Name of Coordinator:** Mr. K Nagaraju, Assistant Professor, ME, Cell: 8985804835

**Number of Students completed/enrolled:** 20/22

**Objective of Event:** The purpose of this course is to introduce you to basics of modeling, design, planning, and control of robot systems. In essence, the material treated in this course is a brief survey of relevant results from geometry, kinematics, statics, dynamics, and control. Robotics is the intersection of science, engineering and technology that produces machines, called robots, that replicate or substitute for human actions. Pop culture has always been fascinated with robots — examples include R2-D2, the Terminator and WALL-E.

**Topics Covered:** Introduction to robotics, classification of robots, workspace analysis. Manipulator Kinematics. Jacobians. Velocities and static forces. Linear and rotational velocity of rigid bodies. velocity propagation from link to link, jacobians. Trajectory Generation. Joint space schemes, collision free path planning, Robot programming Sensing and vision . Low level and high-level vision. Robot intelligence and task planning

**Outcome of Program:** To have knowledge of robots and satellite engineering. To develop the ability to create new robots and satellites. To develop the ability to create a well designed super fast robots. To develop the ability to make presentations on reports and designs created.

  
**Program Coordinator**

  
**HOD**

**H. O. D.**  
**Department of Mechanical Engg.**  
**St. Johns College of Engineering & Technology**  
**Yerrakota, YEMMIGANUR, Kurnool Dist (A.P.)**






St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

**CIRCULAR :: DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Date: 02.05.2022

All the IV-B.Tech II-Sem Students are hereby informed that the Department of EEE, SJCTET is conducting "A **Certificate Program** on **"EMBEDDING SENSORS FOR ELECTRICAL MOTORS"**". The program will be held from 04.05.2022-21.05.2022 under the coordination of **Dr K. CHITHAMBARAIAH SETTY**, Asso. Prof & HOD of EEE department. Interested candidates can enroll their names on or before 03.05.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
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Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

Date:04.05.2022

## Day-Wise-Schedule

Name of the Program: A certificate program on Embedding sensors for electrical motors  
Academic Year: 2022-2022

Program Duration:04.05.2022-21.05.2022

Time:10:00 AM to 12:00 PM

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Tuesday   | 04.05.2022 | Introduction to concepts of Sensors and Sensor Circuit Design  |
| 2    | Wednesday | 05.05.2022 | Implement thermal sensors and Study sensor signal noise and apply proper hardware techniques to reduce it to acceptable levels.  |
| 3    | Thursday  | 06.05.2022 | The sensor and sensor interface into a microprocessor based development kit.   |
| 4    | Friday    | 07.05.2022 | Motors and Motor Control Circuits  |
| 5    | Monday    | 10.05.2022 | Integrate the motor to a machine, based on analysis of motor equations for voltage, current, torque and speed.                   |
| 6    | Tuesday   | 11.05.2022 | Implement the motor and accompanying rotary sensor into a motor control circuit in both hardware and software.                   |
| 7    | Wednesday | 12.05.2022 | Motor and motor control circuit into a microprocessor based development kit  |
| 8    | Thursday  | 13.05.2022 | Accompanying rotary sensor into a motor control circuit in both hardware and software.   |
| 9    | Friday    | 14.05.2022 | Processof motor feedback data to a microprocessor for evaluation.  |
| 10   | Saturday  | 15.05.2022 | Pressure, Force, Motion, and Humidity Sensors  |
| 11   | Monday    | 17.05.2022 | Formation of Real-time process data for pressure, force, strain, position, motion, acceleration, occupancy, and humidity sensors |
| 12   | Tuesday   | 18.05.2022 | Sensor Manufacturing and Process Control   |
| 13   | Wednesday | 19.05.2022 | Advanced sensors, proportional-integral-derivative (PID) control   |
| 14   | Thursday  | 20.05.2022 | The PID control function of the Cypress PSoC development kit for a motor control application.                                    |
| 15   | Friday    | 21.05.2022 | Manufacturing methods used to build electro-mechanical and micro-machined sensors.   |

COORDINATOR

MOD  
H. O. D.

PRINCIPAL  
PRINCIPAL

Department of E. E. E.  
St. Johns College of Engineering & Technology  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## List of Students

Year/Sem:II-I

A Certificate Program on "EMBADDING SENSORS FOR ELECTRICAL MOTORS"

| Academic Year:2021-2022 |             |                              |            |                       |
|-------------------------|-------------|------------------------------|------------|-----------------------|
| S.NO                    | ROLL NUMBER | NAME OF THE STUDENT          | DEPARTMENT | STUDENT SIGNATURE     |
| 1                       | 18G31A0201  | BALIJA NAGARAJU              | EEE        | B. Nagaraju           |
| 2                       | 18G31A0202  | BANDARI KARTHIK              | EEE        | B. Karthik            |
| 3                       | 18G31A0203  | DUPATHI RAJESWARI            | EEE        | D. Rajeswari          |
| 4                       | 18G31A0204  | EDIGA ARAVIND KUMAR          | EEE        | E. Aravind Kumar      |
| 5                       | 18G31A0205  | GOLLA SHIVA KUMAR            | EEE        | G. Shiva Kumar        |
| 6                       | 18G31A0206  | KADIVELLA MALLIKARJUNA REDDY | EEE        | K. Mallikarjuna Reddy |
| 7                       | 18G31A0207  | KANDANATHI CHITTEM VINAY     | EEE        | K.C. Vinay            |
| 8                       | 18G31A0208  | KOSIGI THAYANNA              | EEE        | K. Thayanna           |
| 9                       | 18G31A0209  | KOTTAM JAIBUN                | EEE        | K. Saibun             |
| 10                      | 18G31A0210  | KURUVA SANDHYA RANI          | EEE        | K. Sandhya Rani       |
| 11                      | 18G31A0211  | LAKSHMI GADIGE               | EEE        | G. Lakshmi            |
| 12                      | 18G31A0212  | MAKAM SOWMYA                 | EEE        | M. Sowmya             |
| 13                      | 18G31A0213  | MADUGUNDU HEMAVATHI          | EEE        | M. Hemavathi          |
| 14                      | 18G31A0214  | MALA NAVEEN KUMAR            | EEE        | M. Naveen Kumar       |
| 15                      | 18G31A0216  | MALLEPOGU ESWARAMMA          | EEE        | M. Eswaramma          |
| 16                      | 18G31A0217  | MANCHALA VENKATESH           | EEE        | M. Venkatesh          |
| 17                      | 18G31A0218  | PANDIKONA NARESH             | EEE        | P. Nareesh            |
| 18                      | 18G31A0219  | PAVITHRA V M                 | EEE        | Pavithra V M          |
| 19                      | 18G31A0220  | PEMARA NAVEEN CHANDU         | EEE        | P. Naveen Chandu      |
| 20                      | 18G31A0221  | POBBATHI JAYAPRAKASH         | EEE        | P. Jayaprakash        |
| 21                      | 18G31A0222  | PULI RAMAIAH                 | EEE        | P. Ramaiah            |
| 22                      | 18G31A0223  | PULIPATI CHANDRASEKHAR       | EEE        | P. Chandrasekar       |
| 23                      | 18G31A0224  | SOMSOLE CHARAN TEJA          | EEE        | S. Charan Teja        |
| 24                      | 18G31A0225  | SUDIGUNDU GIRIBABU           | EEE        | S. Giribabu           |
| 25                      | 18G31A0226  | UPPARA MAHESH KUMAR          | EEE        | S. Giribabu           |
| 26                      | 18G31A0227  | YERRAM SIVASANKAR            | EEE        | Y. Shivasankar        |
| 27                      | 18G31A0228  | KRISHNA BRUNDA               | EEE        | K. Brunda             |
| 28                      | 19G35A0201  | CHEDDE BALAKRISHNA           | EEE        | C. Balakrishna        |
| 29                      | 19G35A0202  | KURUVA GANESH                | EEE        | K. Ganesh             |
| 30                      | 19G35A0203  | MALLEPOGU RAJESH             | EEE        | M. Rajesh             |
| 31                      | 19G35A0204  | VAGGA SWAPNA PRIYA           | EEE        | V. Swapna Priya       |

K. Jai  
Co-ordinator

K. Jai  
HOD

H. O. D.

Department of E. E. E.  
St. Johns College of Engineering & Technology  
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**DEPARTMENT OF EEE**

**Date: 23.05.2022**

**Program Report**

**Name of the Event:** Certificate Program on certificate program on Embedding sensors for electrical motors .

**Date/Duration:** (04.05.2022-21.05.2022)/ 15 days

**Resource Person Details:** Mr. K Siva Kumar Asst. Prof, in Dept. of Electrical and Electronics Engineering, BITS Adoni

**Name of Coordinator:** Dr. K. CHITHAMBARAIAHSETTY, Asso.Prof & HOD of EEE department.

**Number of Students completed/enrolled:** 31/31

**Objective of Event:** To Implement thermal sensors and Study sensor signal noise and apply proper hardware techniques to reduce it to acceptable levels.

**Topics Covered:**

- Introduction to concepts of Sensors and Sensor CircuitDesign
- Case study of design
- The ElectricalMotorsandMotorControlCircuits
- Different ideas of enbeddingsensor design

**Outcome of Program:**

- Implementation of embedded system in Pressure, Force, Motion, and Humidity Sensors
- The PID control function of the Cypress PSOC development kit for a motor control application.
- Get Idea in Manufacturing methods used to build electro-mechanical and micro-machined sensors.

  
**Program Coordinator**

  
**HOD**





# St. John's College of Engineering & Technology

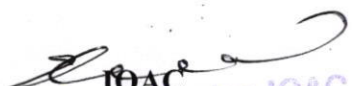
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## CIRCULAR :: DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**Date:** 01-06-2022

All the IV-B.Tech I-Sem Students are hereby informed that the Department of Electronics & Communication Engineering, SJCEET is conducting a **Certification Program** on “**PCB Design**”. The program will be held from 05.06.2022 to 21.06.2022 under the coordination of **Mr. T CHAKRAPANI**, Assoc.Prof of the department. Interested candidates can enroll their names on or before 04.06.2022.

All the registered students must attend the certificate program without fail on the above mentioned dates.

  
**IQAC**  
Co-ordinator, IQAC  
St. John's College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
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# St. Johns College of Engineering & Technology

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 05.06.2022

### Day-Wise-Schedule

Name of the Program: **A Certified Program on PCB Design.**


**Academic Year: 2021-2022**

Program Duration: 05.06.2022 to 21.06.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DATE       | DAY       | TOPICS   |
|------|------------|-----------|--|
| 1    | 05-06-2022 | Sunday    | Introduction to PCB Design   |
| 2    | 06-06-2022 | Monday    | Understanding Board Layouts & Tools.                                 |
| 3    | 07-06-2022 | Tuesday   | Schematic Editor Basics Schematic Capture PCB.                       |
| 4    | 08-06-2022 | Wednesday | Compiling/Building the PCB   |
| 5    | 09-06-2022 | Thursday  | Multi Level Water Tank Full Alert / Clap Controlled ON & OFF Circuit |
| 6    | 10-06-2022 | Friday    | PCB Design Software Installation Express PCB/Tina/Eagle              |
| 7    | 11-06-2022 | Saturday  | PCB Design Printing  |
| 8    | 13-06-2022 | Monday    | Creating a schematic design from the circuit diagram                 |
| 9    | 14-06-2022 | Tuesday   | Troubleshooting basic faults in PCBs                                 |
| 10   | 15-06-2022 | Wednesday | Soldering process and techniques                                     |
| 11   | 16-06-2022 | Thursday  | Troubleshooting basic faults in PCBs                                 |
| 12   | 17-06-2022 | Friday    | Detail useful tools and component libraries in EAGLE                 |
| 13   | 18-06-2022 | Saturday  | Etching of PCB   |
| 14   | 20-06-2022 | Monday    | Component Footprint Design   |
| 15   | 21-06-2022 | Tuesday   | PCB Design Guidelines  |

  
COORDINATOR

  
H.O.D.  
Dept. of Electronics & Communication Engineering  
St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur - 518 360  
KURNOOL (Dist), A.P.





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### List of Students

Year/Sem: IV-II

A Certificate Program on "PCB Design"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student          | Department | Student Signature |
|--------|------------|------------------------------|------------|-------------------|
| 1      | 18G31A0401 | APPASANI LAKSHMI PRASANNA    | ECE        | A. Lakshmi        |
| 2      | 18G31A0402 | B NASIRUDDIN                 | ECE        | B. Nasiruddin     |
| 3      | 18G31A0403 | BADINEHAL MALLIKARJUNA REDDY | ECE        | M. Badinehal      |
| 4      | 18G31A0404 | BANAVASI SEHARA BANU         | ECE        | Banu              |
| 5      | 18G31A0405 | BANDA JAYAPRAKASH            | ECE        | J. Jayaprakash    |
| 6      | 18G31A0406 | BANDA VINAY                  | ECE        | Vinay             |
| 7      | 18G31A0407 | BANDAGATTU PAVAN KUMAR REDDY | ECE        | P. Pavan Kumar    |
| 8      | 18G31A0408 | BOYA ARCHANADEVI             | ECE        | A. Archana Devi   |
| 9      | 18G31A0409 | BOYA INDU                    | ECE        | B. Indu           |
| 10     | 18G31A0410 | BOYA MANJU LATHA             | ECE        | B. Manju Latha    |
| 11     | 18G31A0411 | BOYA PARASURAMUDU            | ECE        | P. Parasuramu     |
| 12     | 18G31A0412 | BUGUDE UDAYKUMAR             | ECE        | U. Uday Kumar     |
| 13     | 18G31A0415 | CHINNI VENKATA GAYATHRI      | ECE        | C. Gayathri       |
| 14     | 18G31A0416 | DUDEKULA HAJI VALI           | ECE        | H. Haji Vali      |
| 15     | 18G31A0417 | GARLADINNE VENKATESH         | ECE        | G. Venkatesh      |
| 16     | 18G31A0418 | GOLLA BEBISARASWATHI         | ECE        | G. Bebisaraswathi |
| 17     | 18G31A0419 | GOLLA SURESH                 | ECE        | G. Suresh         |
| 18     | 18G31A0420 | GONUPADU SOWMYA              | ECE        | G. Sowmya         |
| 19     | 18G31A0421 | GUDIKAL REKHA                | ECE        | R. Rekha          |
| 20     | 18G31A0423 | J ARSHAD ZAMA                | ECE        | J. Arshad Zama    |
| 21     | 18G31A0424 | JATPOL JAHEER                | ECE        | J. Jaheer         |
| 22     | 18G31A0425 | KAMARTHI HARITHA             | ECE        | K. Haritha        |
| 23     | 18G31A0426 | KAMSALI AISWARYA             | ECE        | A. Aiswarya       |
| 24     | 18G31A0427 | KANIKE INDU                  | ECE        | K. Indu           |
| 25     | 18G31A0428 | KAPU VINAY KUMAR REDDY       | ECE        | V. Vinay Kumar    |
| 26     | 18G31A0429 | KARNATI SUSHMA               | ECE        | S. Sushma         |
| 27     | 18G31A0430 | KEELALU ABHISHEK KUMAR       | ECE        | K. Abhishek Kumar |
| 28     | 18G31A0431 | KONDAPURAM BABUREDDY         | ECE        | K. Babureddy      |
| 29     | 18G31A0432 | KONGE SAIVINEETH             | ECE        | K. Saivineeth     |
| 30     | 18G31A0433 | KURMI VAMSI                  | ECE        | K. Vamsi          |
| 31     | 18G31A0434 | KURUVASUGURAPPAGARI SIDDAIAH | ECE        | K. Siddaiah       |
| 32     | 18G31A0435 | M NAVEED PASHA               | ECE        | M. Naveed Pasha   |
| 33     | 18G31A0436 | MACHANI KUSUMA JYOTHI        | ECE        | M. Jyothi         |



## A Certificate Program on "PCB Design"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student          | Department | Student Signature |
|--------|------------|------------------------------|------------|-------------------|
| 34     | 18G31A0437 | MADIGA ANJALI                | ECE        | Anjali            |
| 35     | 18G31A0438 | MAGAMI MD GHOUSE             | ECE        | M. Ghouse         |
| 36     | 18G31A0439 | MEDARI HARSHAVARDHAN         | ECE        | M. Harsh.         |
| 37     | 18G31A0440 | MOHAMMED SHAHIDA             | ECE        | Shahida           |
| 38     | 18G31A0442 | NARALA SWETHA                | ECE        | N. Swetha         |
| 39     | 18G31A0443 | NELLUR VIDYA SREE            | ECE        | N. Swetha         |
| 40     | 18G31A0444 | PADEGALLU VINOD BABU         | ECE        | P. Vinod Babu     |
| 41     | 18G31A0445 | PADMASALE BALLAM SAI SAHITHI | ECE        | Vinod             |
| 42     | 18G31A0447 | R ABDUL NAYEEM               | ECE        | Nayem             |
| 43     | 18G31A0448 | REDDY GARI LATHA             | ECE        | Latha             |
| 44     | 18G31A0449 | SHAIK AYISHA ALLMAS          | ECE        | S. Ayisha         |
| 45     | 18G31A0450 | SHAIK MUNNA                  | ECE        | Munna             |
| 46     | 18G31A0451 | SHAIK SANA SULTHANA          | ECE        | Shaik Sana        |
| 47     | 18G31A0452 | SOMA CHANDRA SEKHAR          | ECE        | S. Chandrasekar   |
| 48     | 18G31A0453 | SUDIGUNDU BHARATH KUMAR      | ECE        | S. Bharath Kumar  |
| 49     | 18G31A0454 | TELLAPANDLA SWETHA           | ECE        | T. Swetha         |
| 50     | 18G31A0456 | UPPARA JYOTHI LAKSHMI        | ECE        | V. Jyothi         |
| 51     | 18G31A0457 | UPPARA RAVINDRA BABU         | ECE        | U. Babu           |
| 52     | 18G31A0458 | VADDE HARICHANDRA PRASAD     | ECE        | V. Harichandra    |
| 53     | 18G31A0459 | VARADA ANIL KUMAR            | ECE        | V. Anil Kumar     |
| 54     | 18G31A0460 | YERUKULA VANDANA             | ECE        | Vandana           |
| 55     | 19G35A0401 | CHARUBOYALA RAMU             | ECE        | Ramu              |
| 56     | 19G35A0402 | DARAGA VANNUR VALI           | ECE        | D. Vali           |
| 57     | 19G35A0403 | GULLAPPA GARI MAHESH         | ECE        | Mahesh            |
| 58     | 19G35A0404 | REDDY RAKESH KUMAR           | ECE        | Rakesh            |
| 59     | 16G31A0421 | KURUVA SREEKANTH             | ECE        | Sreekanth         |
| 60     | 17G31A0443 | K.SIVAKUMAR                  | ECE        | K. Shiva          |



CO-ORDINATOR

H.O.D.  
 HOD  
 Dept. of Electronics & Communication Engineering  
 St. John's College of Engineering & Technology  
 Yerrakota, Yemmiganur-518 360  
 KURNOOL (Dist)., A.P.





**St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**Date: 21.06.2022**

**Program Report**

**Name of the Event:** A Certified Program on PCB Design.

**Date/Duration:** 05.06.2022 to 21.06.2022/ 15 Days

**Resource Person Details:** Dr. K. Govindurajulu

**Name of Coordinator:** Mr. T Chakrapani

**Number of Students completed/enrolled:** 60

**Objective of Event:**

- Introduction to PCB Design
- Compiling/Building the PCB


**Topics Covered:**

- PCB Design Guidelines
- Etching of PCB

**Outcome of Program:**

- Applications and Conclusion

  
**Program Coordinator**

  
**HOD**  
Dept. of Electronics & Communication Engineering  
St. Johns College of Engineering & Technology  
Yerrakota, Yemmiganur - 518 360  
KURNOOL (Dist), A.P.



## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR :: DEPARTMENT OF MECHANICAL ENGINEERING

Date: 02.06.2022

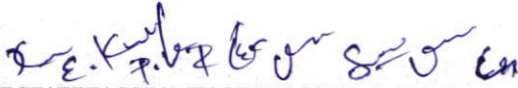
All the IV-B.Tech II-Sem Students are hereby informed that the Department of Mechanical Engineering, SJCT is conducting a **Certificate Program** on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engine”. The program will be held from 13.06.2022-25.06.2022 under the coordination of **Mr. S Kamalesh Rao**, Assistant Professor. Interested candidates can enroll their names on or before 10.06.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
IQAC

  
PRINCIPAL

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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 13.06.2022

### Day-Wise-Schedule

Name of the Program: **A Certified Program on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engine”**

**Academic Year: 2021-2022**

Program Duration: 13.06.2022 - 25.06.2022

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 13.06.2022 | Introduction, Comparison of Air Standard and Actual Cycles, Time Loss Factor, Heat Loss Factor                                   |
| 2    | Tuesday   | 14.06.2022 | Loss due to Rubbing Friction, Actual and Fuel-Air Cycles of CI Engines.  |
| 3    | Wednesday | 15.06.2022 | I.C. ENGINES :Classification - Working principles, Valve and Port Timing Diagrams  |
| 4    | Thursday  | 16.06.2022 | Combustion in S.I. Engines :Normal Combustion and abnormal combustion – Importance of flame speed and effect of engine variables |
| 5    | Friday    | 17.06.2022 | Combustion in C.I. Engines :Four stages of combustion – Delay period and its importance – Effect of engine variables             |
| 6    | Saturday  | 18.06.2022 | Testing and Performance of IC Engines : Parameters of performance - measurement of cylinder pressure, fuel consumption           |
| 7    | Monday    | 20.06.2022 | Dynamic Compressors :Centrifugal compressors: Mechanical details and principle of operation                                      |
| 8    | Tuesday   | 21.06.2022 | CO2 emissions restrictions   |
| 9    | Wednesday | 22.06.2022 | Engine efficiency for reducing those emissions   |
| 10   | Thursday  | 23.06.2022 | Diesel vs. traditional gas   |
| 11   | Friday    | 24.06.2022 | Battery Electric Vehicles Vs Internal Combustion Engine Vehicles   |
| 12   | Saturday  | 25.06.2022 | Powder metallurgy supporting the move to eco-friendly  |

  
COORDINATOR

  
HOD  
H. O. D.  
Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Yerrakota YEMMIGANUR, Kurnool Dist (A.P.)





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Students

Year/Sem: IV-II

A Certificate Program on "Recent Innovations and Futuristic Scope for Research in Internal Combustion Engine"

Academic Year:2021-2022

| S.No. | Roll No.   | Name of the Student            | Department | Student Signature |
|-------|------------|--------------------------------|------------|-------------------|
| 1     | 18G31A0301 | B SAJID                        | ME         | B. Sajid          |
| 2     | 18G31A0302 | BOYA ROGANNAGARI CHANDRASEKHAR | ME         | Chandrasekhar     |
| 3     | 18G31A0303 | BUGUDE VENKATESH               | ME         | Venkatesh         |
| 4     | 18G31A0304 | CHEDDI VASU                    | ME         | Vasu              |
| 5     | 18G31A0305 | CHRIST VICTOR EMMANUEL CEPHA   | ME         | Emmanuel          |
| 6     | 18G31A0307 | GANJAHALLI KURUVA ERANNA       | ME         | Eranna            |
| 7     | 18G31A0308 | KAMARTHI SAI MOHAN             | ME         | Sai Mohan         |
| 8     | 18G31A0310 | KONDAMEEDA MOHAMMED IMRAN ALI  | ME         | Imran Ali         |
| 9     | 18G31A0311 | KONGATHI SATISH CHANDRA        | ME         | Sathish           |
| 10    | 18G31A0312 | KONIDELA RAJA MANOHAR          | ME         | Manohar           |
| 11    | 18G31A0313 | KURAKULA PRANAY VIJAY CHANDRA  | ME         | K. Pranay         |
| 12    | 18G31A0315 | MADIGA VIJAY KUMAR             | ME         | M. Vijay          |
| 13    | 18G31A0316 | MEHTAR SHOAIB MALIK            | ME         | M. Shoaib         |
| 14    | 18G31A0317 | MONE HARINATH                  | ME         | M. Harinath       |
| 15    | 18G31A0318 | P ASIF PASHA                   | ME         | P. Asif pasha     |
| 16    | 18G31A0319 | T SAI VEERA                    | ME         | T Sai Veera       |
| 17    | 18G31A0321 | TUMBALABEEDU HARSHAVARDAN      | ME         | Harshavardan      |
| 18    | 18G31A0322 | UPPARA YERRAGUDLA NARENDRA     | ME         | Narendra          |
| 19    | 18G31A0323 | VALEKARI RAMU                  | ME         | V. Ramu           |
| 20    | 18G31A0325 | VIJAY KUMAR MADRI              | ME         | Vijay             |
| 21    | 19G35A0301 | CARPENTOR MOHAMMED USAMA       | ME         | C. Usama          |
| 22    | 19G35A0302 | EDIGA ARUN                     | ME         | Ediga Arun        |
| 23    | 19G35A0303 | ETHAKAYALA MAHESH              | ME         | Maahesh           |
| 24    | 19G35A0304 | JANGAM VAMSI                   | ME         | J. Vamsi          |
| 25    | 19G35A0305 | M JAGADISH                     | ME         | M. Jagadish       |
| 26    | 19G35A0306 | M MUHAMMED TAWHEED             | ME         | M. Tawheed        |
| 27    | 19G35A0308 | MANDULA GANESH                 | ME         | M. Ganesh         |
| 28    | 19G35A0309 | MULLA SHAIKSHA VALI            | ME         | M. Shaiksha       |
| 29    | 19G35A0310 | PUGGI MANJUNATHSWAMY           | ME         | P. Manjunathswamy |
| 30    | 19G35A0311 | S K M CHENNA VEERESH SWAMY     | ME         | S.K.M. Chenna     |
| 31    | 19G35A0312 | SIDDANAGOWDA MURALIKRISHNAGOWD | ME         | S. Murali         |
| 32    | 19G35A0313 | UPPARA RAJESH                  | ME         | U. Rajesh         |
| 33    | 19G35A0314 | UPPARA SUNIL KUMAR             | ME         | U. Sunil Kumar    |

Co-ordinator

HOD

Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)





**DEPARTMENT OF MECHANICAL ENGINEERING**

**Date: 28.06.2022**

**Program Report**

**Name of the Event:** A Certification Program on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engine”

**Date/Duration:** 13.06.2022 to 25.06.2022 (2 Weeks)

**Resource Person Details:** Mr. K Nagaraju, Assistant. Professor, ME, Cell: 9885638377

**Name of Coordinator:** Mr. S Kamalesh Rao, Assistant Professor, ME, Cell: 9640114169

**Number of Students completed/enrolled:** 31/33

**Objective of Event:** To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become technology leaders of Indian vision of modern society. To become a model institution in the fields of Engineering, Technology and Management. To impart holistic education to the students to render them as industry ready engineers.

**Topics Covered:** Introduction, Comparison of Air Standard and Actual Cycles, Time Loss Factor, Heat Loss Factor. I.C. ENGINES - Classification - Working principles, Valve and Port Timing Diagrams Combustion in C.I. Engines. Dynamic Compressors. Engine efficiency for reducing those emissions. Battery Electric Vehicles Vs Internal Combustion Engine Vehicles. Powder metallurgy supporting the move to eco-friendly.

**Outcome of Program:** To develop the knowledge of innovatives of Internal Combustion Engines. To develop the ability to create new methods of Internal Combustion Engines. To develop the ability to create a well designed engines and estimate the performance of Internal Combustion engines.

  
**Program Coordinator**

  
**HOD**  
**H. O. D.**  
**Department of Mechanical Engg.**  
**St. John's College of Engineering & Technology,**  
**Yerrakota YEMMIGANUR Kurnool Dist (A.P)**



**St. Johns College of Engineering & Technology**

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

**CIRCULAR:: DEPARTMENT OF CIVIL ENGINEERING**

**Date: 10.06.2022**

All the III-B.Tech I-Sem and IV-B.Tech I-Sem Students are here by informed that the Department of Civil Engineering, SJCET is conducting “A **Certificate Program on Self-Healing Concrete**”. The program will held from 20.06.2022-30.06.2022 under the coordination of **Mr. C. Nagaraju**, Asst.Prof of the department. Interested candidates can enroll their names on or before 14.06.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

**Co-ordinator, IQAC**

**St. Johns College of Engineering & Technology  
Yemmiganur. Kurnool (Dist.)**

**PRINCIPAL**

**PRINCIPAL**

**St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (Dist) A.P.**

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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

Date: 20.06.2022

### Day-Wise-Schedule

Name of the Program: **A Certificate Program on Self-Healing Concrete**

**Academic Year: 2021-2022**

Program Duration: 20.06.2022-30.06.2022

Time: 09:30 AM to 12:30 PM

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 20.06.2022 | Scope & working procedures on Self-Healing Concrete                      |
| 2    | Tuesday   | 21.06.2022 | Self-Healing Strategies  |
| 3    | Wednesday | 22.06.2022 | Internal Repair methods  |
| 4    | Thursday  | 23.06.2022 | External Repair methods  |
| 5    | Friday    | 24.06.2022 | Characterization Techniques  |
| 6    | Saturday  | 25.06.2022 | Controlled cracking processes I Fibre Reinforced Cementitious Composites |
| 7    | Monday    | 27.06.2022 | Self-Healing Modeling part 1   |
| 8    | Tuesday   | 28.06.2022 | Self-Healing Modeling part 2   |
| 9    | Wednesday | 29.06.2022 | Self-Healing Modeling part 3   |
| 10   | Thursday  | 30.06.2022 | Impact of preventive repair on corrosion aspects                         |

  
COORDINATOR

  
HOD

  
Civil Engineering Department  
St. Johns College of Engg. & Tech., Yerrakota



# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

### List of Students

Year/Sem: III-I & IV-I

A Certificate Program on "Self Healing Concrete"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student      | Department | Student Signature |
|--------|------------|--------------------------|------------|-------------------|
| 1      | 19G31A0102 | BANGI VEERESH            | CE         | veeresh           |
| 2      | 19G31A0103 | BESTA PRAKASH            | CE         | prakash           |
| 3      | 19G31A0104 | BHARATH P                | CE         | Bharath           |
| 4      | 19G31A0105 | BOYA SREENIVASULU        | CE         | sreeniva          |
| 5      | 19G31A0106 | CHAKALI GANESH           | CE         | ganesh            |
| 6      | 19G31A0107 | CHAKALI VEERACHANDRUDU   | CE         | veeru             |
| 7      | 19G31A0108 | GULLAMORUSU SURYATEJA    | CE         | suryateja         |
| 8      | 19G31A0109 | KAMMARI UMESH CHANDRA    | CE         | umesh             |
| 9      | 19G31A0110 | KURUVA ASHOK KUMAR       | CE         | AK                |
| 10     | 19G31A0111 | KURUVA VINOD KUMAR       | CE         | vinod             |
| 11     | 19G31A0112 | MAHAMMAD FAYAZ           | CE         | fayaz             |
| 12     | 19G31A0113 | MALA SRIKANTH            | CE         | Srikanth          |
| 13     | 19G31A0114 | NAKKALA PRAVEEN KUMAR    | CE         | praveen           |
| 14     | 19G31A0115 | NALLABOTHULA SIREESHA    | CE         | siree             |
| 15     | 19G31A0116 | NAYAKALL PAUL VICTOR     | CE         | victor            |
| 16     | 18G31A0128 | TERPULA PRAKASH          | CE         | prakash           |
| 17     | 19G35A0101 | ANUPURI HANANIAH         | CE         | Hananiah          |
| 18     | 19G35A0102 | BOYA ERANNA              | CE         | Eranna            |
| 19     | 19G35A0103 | BUDHARAPU NEHA GURUSWAMI | CE         | neha              |
| 20     | 19G35A0104 | GAJENDRAGAD AKHILESH     | CE         | A                 |
| 21     | 19G35A0106 | GOLLA RAJASEKHAR         | CE         | Rajasekhara       |
| 22     | 19G35A0107 | GONEGANDLA SRIKANTH      | CE         | Srikanth          |
| 23     | 19G35A0108 | M S GANESH               | CE         | ganesh            |
| 24     | 19G35A0109 | MAITHRI MADHUKUMAR       | CE         | madhu             |
| 25     | 19G35A0111 | PANDILA DURGA            | CE         | Durga             |

Co-ordinator

HOD

Civil Engineering Department  
St. John's College of Engg. & Tech., Yerrakota





**DEPARTMENT OF CIVIL ENGINEERING**

**Date: 03.07.2022**

**Program Report**

**Name of the Event:** A Certificate Program on Self-Healing Concrete

**Date/Duration:** 20.06.2022-30.06.2022/ 10 DAYS

**Resource Person Details:** Mr. S. Sudheer Kumar

**Name of Coordinator:** Mr. C. Nagaraju

**Number of Students completed/enrolled:** 25

**Objective of Event:**

- To address the challenges associated with the implementation of techniques
- To serve & to block the ingress of harmful substances, hence reducing the permeability and enhancing the durability and as well as aiding some recovery of structural strength.


**Topics Covered:**

- Self-healing strategies
- External repair methods
- Characterization techniques
- Self-healing modeling
- Impact of preventive repair on corrosion aspects.

**Outcome of Program:**

- The different self-healing techniques will be best suited to different applications and that will be necessary to clearly identify the damage mechanism.
- To reduce and removing the requirement for inspection, maintenance and repair of concrete structures.

  
**Program Coordinator**

  
**HOD**  
**Civil Engineering Department**  
**St. Johns College of Engg. & Tech., Yerrakota**



## St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

### CIRCULAR

Date: 04.07.2022

All the II-B.Tech Students are hereby informed that the Department of Computer Science and Engineering, SJCET is conducting a Certificate program on “**Network Security And Cryptography**”. The program will held from 11.07.2022-28.07.2022 under the coordination of Mr. **T. Abdul Raheem**, Assistant Professor of the CSE department. Interested candidates can enroll their names on or before 08.07.2022. All the registered students must attend the certificate program without fail on the above mentioned dates.

  
IOAC  
**Co-ordinator, IQAC**  
St. Johns College of Engineering & Technology  
Yemmiganur, Kurnool (Dist.)

  
PRINCIPAL  
**PRINCIPAL**  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (Dt.) A.P.

  
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# St. Johns College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

Date: 11.07.2022

## Day-Wise-Schedule

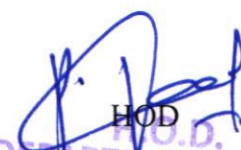
Name of the Program: Certificate Program on “Network Security And Cryptography”

Academic Year: 2021-2022

Program Duration: 11.07.2022 - 28.07.2022

| S.No | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Monday    | 11.07.2022 | Understand and Apply Fundamental Concepts of Cryptography   |
| 2    | Tuesday   | 12.07.2022 | Module Topics: Encryption Concepts, Methods of Cryptography, Specific Hashing,  |
| 3    | Wednesday | 13.07.2022 | In Encryption Concepts you will learn about key concepts and definitions and high work factor.  |
| 4    | Thursday  | 14.07.2022 | In Methods of Cryptography you will learn about stream-based ciphers, stream-based cipher rules, block ciphers,   |
| 5    | Friday    | 15.07.2022 | Understand Requirements for Cryptography  |
| 6    | Saturday  | 16.07.2022 | Module Topics: Salting, Symmetric/Asymmetric Cryptography, Non-Repudiation, Methods of Cryptanalytic Attack, Data Sensitivity and Regulatory Requirements, End-User Training. |
| 7    | Monday    | 18.07.2022 | In data Sensitivity and Regulatory Requirements.  |
| 8    | Tuesday   | 19.07.2022 | In Symmetric/Asymmetric Cryptography you will learn about encryption and decryption, symmetric cryptography, out-of-band key distribution,                                    |
| 9    | Wednesday | 20.07.2022 | Counter Mode with Cipher Block Chaining Message Authentication Code Protocol (CCMP), and how CCMP works,  |
| 10   | Thursday  | 21.07.2022 | Rijndael. In Additional algorithms you will learn about International Data Encryption Algorithm (IDEA), CAST,   |
| 11   | Friday    | 22.07.2022 | In Creation and Distribution of Keys you will learn about truly random,   |
| 12   | Saturday  | 23.07.2022 | random, generating a two-key encryption key set, key length,  |
| 13   | Monday    | 25.07.2022 | Asymmetric key length, key wrapping and key encryption keys, key distribution, key distribution centers,  |
| 14   | Tuesday   | 26.07.2022 | key storage and destruction, factors affecting risk exposure, cost of certificate replacement/revocation, key recovery, key escrow.   |
| 15   | Wednesday | 27.07.2022 | Cryptography Case Study   |
| 16   | Thursday  | 28.07.2022 | The objective of review is to determine whether the student has understood the concepts and has performed the necessary analysis to ensure a complete and thorough answer.    |
|      |           |            |   |

  
COORDINATOR

  
HOD  
DEPARTMENT OF CSE  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)

  
PRINCIPAL  
PRINCIPAL  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR (M) Kurnool (D) A.P.



# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### List of Students : II - B.Tech.

#### A Certificate Program on "Network Security And Cryptography"

Academic Year:2021-2022

| S.I.no | Roll No.   | Name of the Student               | Department | Student Signature      |
|--------|------------|-----------------------------------|------------|------------------------|
| 1      | 20G31A0501 | ADABALA PURNA SATYA RAGHAVENDRA   | CSE        | Raghavendra            |
| 2      | 20G31A0502 | ADIKE HEMANTH KUMAR               | CSE        | Hemant Kumar           |
| 3      | 20G31A0503 | ALUR MOHAMMED YASEER              | CSE        | Yaseer                 |
| 4      | 20G31A0505 | BESTA ANITHA                      | CSE        | Anitha                 |
| 5      | 20G31A0506 | BESTHA SHEKAR                     | CSE        | B. Shekar              |
| 6      | 20G31A0507 | BOYA ARCHANA                      | CSE        | B. Archana             |
| 7      | 20G31A0508 | BOYA LALITHA                      | CSE        | B. Lalitha             |
| 8      | 20G31A0509 | BOYA NAVEEN KUMAR                 | CSE        | B. Naveen Kumar        |
| 9      | 20G31A0510 | BOYA UDAY KUMAR                   | CSE        | B. Uday Kumar          |
| 10     | 20G31A0511 | CHAKALI UDAY KIRAN                | CSE        | C. Uday Kiran          |
| 11     | 20G31A0512 | CHETLA MALLIKARJUNA REDDY         | CSE        | C. Mallikarjuna        |
| 12     | 20G31A0513 | CHINTHALABOINA VENKATESH          | CSE        | C. Venkatesh           |
| 13     | 20G31A0514 | CHINTRE SRAVANI                   | CSE        | C. Sravani             |
| 14     | 20G31A0515 | DARI JAYASHRI                     | CSE        | D. Jayashri            |
| 15     | 20G31A0516 | DARSI ABHILASH                    | CSE        | D. Abhilash            |
| 16     | 20G31A0517 | DASARI KISHOR KUMAR               | CSE        | D. Kishor Kumar        |
| 17     | 20G31A0518 | DAYALA BHARATH KUMAR REDDY        | CSE        | D. Bharath Kumar Reddy |
| 18     | 20G31A0519 | DODAGATTU TEJASREE                | CSE        | D. Tejasree            |
| 19     | 20G31A0520 | DODDI RAKESH                      | CSE        | D. Rakesh              |
| 20     | 20G31A0521 | EDIGA VISHNU PRIYA                | CSE        | E. Vishnu priya        |
| 21     | 20G31A0522 | ERANTI LAHARI                     | CSE        | E. Lahari              |
| 22     | 20G31A0523 | GADIMODI SULOCHANA                | CSE        | G. Sulochana           |
| 23     | 20G31A0524 | GORANTLA MACHANNA                 | CSE        | G. Machanna            |
| 24     | 20G31A0525 | H SRAVYA SREE                     | CSE        | H. Sravya sree         |
| 25     | 20G31A0526 | HUBLI FARA SULTANA                | CSE        | H. Fara Sultana        |
| 26     | 20G31A0527 | INUGURU VENKATA NAGA SAI RUCHITHA | CSE        | I. Ruchitha            |
| 27     | 20G31A0528 | J SAI KUMAR                       | CSE        | J. Sai Kumar           |
| 28     | 20G31A0529 | K S PURUSHOTHAM                   | CSE        | K. S. Purushotham      |
| 29     | 20G31A0530 | KAMALDODDI VINEETH                | CSE        | K. Vineeth             |
| 30     | 20G31A0531 | KAMARTHI VARSHA                   | CSE        | K. Varsha              |
| 31     | 20G31A0532 | KAMBATI RAMMOHAN REDDY            | CSE        | K. Rammoohan Reddy     |
| 32     | 20G31A0533 | KANNE SAMRUDHI                    | CSE        | K. Samrudhi            |




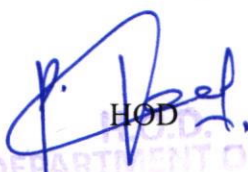
# **List of Students : II - B.Tech.**

## **A Certificate Program on "Network Security And Cryptography"**

**Academic Year:2021-2022**

| S.I.no | Roll No.   | Name of the Student           | Department | Student Signature |
|--------|------------|-------------------------------|------------|-------------------|
| 33     | 20G31A0534 | KASIPOGU SWAROOPA RANI        | CSE        | Swaropa Rani      |
| 34     | 20G31A0537 | KURUVA JANARDHAN              | CSE        | K. Janardhan      |
| 35     | 20G31A0538 | KURUVA PRAKASH                | CSE        | Prakash           |
| 36     | 20G31A0539 | M ABHISHEK                    | CSE        | Abhishek          |
| 37     | 20G31A0540 | MADIGA NAGENDRA BABU          | CSE        | Nagendra Babu     |
| 38     | 20G31A0541 | MADUGUNDU JHANSI              | CSE        | Jhansi            |
| 39     | 20G31A0542 | MALLEPOGU MADHUBABU           | CSE        | M. Nagendra Babu  |
| 40     | 20G31A0543 | MANDLA THARUN KUMAR           | CSE        | Tharun Kumar      |
| 41     | 20G31A0544 | MEDARI JHANSI RANI            | CSE        | Jhansi Rani       |
| 42     | 20G31A0545 | MULLA MAHABOOB BASHA          | CSE        | Mahabob Basha     |
| 43     | 20G31A0546 | MULLASAHEB DARVESH            | CSE        | M.S. Darvesh      |
| 44     | 20G31A0547 | N SANTHOSH KUMAR              | CSE        | Kumar             |
| 45     | 20G31A0548 | NEDIGANTI RAJESWARI DEVI      | CSE        | Rajeswari Devi    |
| 46     | 20G31A0549 | PERIKA ABHIRAM                | CSE        | Abhiram           |
| 47     | 20G31A0550 | PINJARI YASMINBEGAM           | CSE        | P. Yasmin Begam   |
| 48     | 20G31A0551 | PUCHA VYSHNAVI                | CSE        | P. Vyshnavi       |
| 49     | 20G31A0552 | SHAIK ISRA UL HUQ             | CSE        | Vyshnavi          |
| 50     | 20G31A0554 | SHAIK NEHA SAMREEN            | CSE        | S. Neha Samreen   |
| 51     | 20G31A0555 | T S NUTHAN PARASHURAM         | CSE        | Neha Parashuram   |
| 52     | 20G31A0556 | TAILOR SHAIKSHAVALI           | CSE        | Shaiksha Vali     |
| 53     | 20G31A0557 | THATIKONDA UPENDRA            | CSE        | T. Upendra        |
| 54     | 20G31A0558 | VARAM SUDHEENDRA              | CSE        | Sudheendra        |
| 55     | 20G31A0559 | VITAPU LAKSHMAN CHETAN SHARMA | CSE        | Chetan Sharma     |
| 56     | 21G35A0501 | K PAVAN KALYAN                | CSE        | Pavan Kalyan      |
| 57     | 21G35A0502 | KURUVA NARESH                 | CSE        | K. Naresh         |
| 58     | 21G35A0503 | KURUVA VIJAY KUMAR            | CSE        | Vijay Kumar       |
| 59     | 21G35A0505 | PALLE VEERESH                 | CSE        | P. Veeresh        |
| 60     | 21G35A0506 | SHAIK SADIQ                   | CSE        | Sadiq             |

  
Co-ordinator

  
HOD  
DEPARTMENT OF CSE  
St. John's College of Engineering & Technology  
Vengal Rao, YEMMUR, Kottur District (A.P.)



# St. John's College of Engineering & Technology

Yerrakota, Yemmiganur – 518 360, Kurnool (Dist) A.P.

## DEPARTMENT OF CSE

Date: 30.07.2022

### Program Report

**Name of the Event:** Certificate Program on “Network Security And Cryptography”

**Date/Duration:** 11.07.2022 to 28.07.2022 / 16 Days

**Resource Person Details:** Dr.Y. Narasimha Reddy, Prof, SJCET.

**Name of Coordinator:** Mr. T. Abdul Raheem, Asst.Prof, SJCET.

**Number of Students completed/enrolled:** 60

#### **Objective of Event:**

1. Understand and Apply Fundamental Concepts of Cryptography.
2. Understand Requirements for Cryptography.
3. In data Sensitivity and Regulatory Requirements.
4. Operate and Implement Cryptographic System.
5. Cryptography Case Study.

#### **Topics Covered:**

1. Apply the fundamental concepts of cryptography
2. Describe the difference between symmetric and asymmetric cryptography
3. Define the basic requirements for cryptography
4. Identify processes to support secure protocols
5. Describe the process for implementing cryptographic systems
6. Describe the implementation of secure protocols

#### **Outcome of Program:**

1. Understand and Apply Fundamental Concepts of Cryptography.
2. Understand Requirements for Cryptography.
3. Understudied Operate and Implement Cryptographic System.
4. Done the Case Study Cryptography.

  
Program Coordinator

  
HOD

H.O.D.  
DEPARTMENT OF CSE  
St. John's College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)