

**KANDULA SRINIVASA REDDY MEMORIAL COLLEGE OF ENGINEERING
(AUTONOMOUS)**

KADAPA-516003. AP

(Approved by AICTE, Affiliated to JNTU A, Ananthapuramu, Accredited by NAAC)

(An ISO 9001-2008 Certified Institution)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Certification Course

On

“NS3 Programming”

Resource Person : Dr.S.L.Prathapa reddy, Assistant Professor Dept. of ECE, KSRMCE
Sri.P.Krishna teja yadav, Assistant professor, Dept. of ECE,KSRMCE

Course Coordinator: Dr.G.Nagarajan, Professor Dept. of ECE, KSRMCE

Sri.P.Krishna teja yadav, Assistant professor, Dept. of ECE,KSRMCE

Duration: 13/08/2019 to 30/08/2019



K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Lr./KSRMCE/ECE/2019-20/

Date:08/08/2019

To
The Principal,
KSRMCE,
Kadapa.

Respected Sir,

Sub: Permission to Certification Course on "NS3 Programming"
13/08/2019 to 30/08/2019-Req- Reg.

The Department of Electronics and communication engineering is planning to offer a Certification Course on "NS3 Programming" to B. Tech. students. The course will be conducted from 13/08/2019 to 30/08/2019. In this regard, I kindly request you to grant permission to conduct a Certification Course.

Thanking you sir,

P. Krishna

Yours faithfully

(Sri.P.Krishna teja yadav, Asst.Professor in ECED)

*forwarded to the
Principal Sir
h. v.*

V. S. S. Mm 15
PRINCIPAL
K.S.R.M. COLLEGE OF ENGINEERING
KADAPA-516005, (A.P.)



K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

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Cr./KSRMCE/ECE/2019-20/


Date: 09/08/2019

Circular

The Department of Electronics and communication engineering is offering a Certification Course on "NS3 Programming" from 13/08/2019 to 30/08/2019 to B.Tech students. In this regard, interested students are requested to register their names for the Certification Course with Course Coordinator.

For further information contact the Course Coordinator.

Course Coordinator: Sri.P.Krishna teja yadav, Asst. professor, Dept. of ECE.-KSRMCE.


HoD

Cc to:

IQAC-KSRMCE

Dept. of ECE
Professor & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
KADAPA - 516 003



K.S.R.M. COLLEGE OF ENGINEERING

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DEPARTMENT OF ECE

REGISTRATION FORM

Certification Course on

“NS3 Programming”

From 13/08/2019 to 30/08/2019

| S.No | Full Name | Roll Number | Branch | Semester | Signature |
|------|-----------------------------|-------------|--------|----------|--------------------|
| 1. | Aduri Vishnu Vardhan Reddy | 179Y1A0401 | ECE | V SEM | <i>Vishnu</i> |
| 2. | Ala Lakshmi Sai Gowri | 179Y1A0402 | ECE | V SEM | <i>Sai</i> |
| 3. | Ambati Gurusiva | 179Y1A0403 | ECE | V SEM | <i>Gurusiva</i> |
| 4. | Ambati Lakshumaiah | 179Y1A0404 | ECE | V SEM | <i>Ambati</i> |
| 5. | Andela Matam Vinay Kumar | 179Y1A0405 | ECE | V SEM | <i>Vinay</i> |
| 6. | Ankana Sunitha | 179Y1A0406 | ECE | V SEM | <i>Sunitha</i> |
| 7. | Annareddy Venkata Meghana | 179Y1A0407 | ECE | V SEM | <i>Meghana</i> |
| 8. | Anuguru Vineela | 179Y1A0408 | ECE | V SEM | <i>Vineela</i> |
| 9. | Chavva Jaswitha | 179Y1A0429 | ECE | V SEM | <i>Jaswitha</i> |
| 10. | Chilla Venkateswara Reddy | 179Y1A0431 | ECE | V SEM | <i>Reddy</i> |
| 11. | Dadiboyina Lohitha | 179Y1A0433 | ECE | V SEM | <i>Lohitha</i> |
| 12. | Dara Sekhar | 179Y1A0435 | ECE | V SEM | <i>Sekhar</i> |
| 13. | Devagudi Venkata Subbaiah | 179Y1A0436 | ECE | V SEM | <i>Subbaiah</i> |
| 14. | Goparajulu Renuka Harshitha | 179Y1A0452 | ECE | V SEM | <i>Harshitha</i> |
| 15. | Gorla Sushmitha Reddy | 179Y1A0454 | ECE | V SEM | <i>Sushmitha</i> |
| 16. | Guduru Harikrishna | 179Y1A0455 | ECE | V SEM | <i>Harikrishna</i> |
| 17. | Gundladurthi Balayalla | 179Y1A0456 | ECE | V SEM | <i>Balayalla</i> |

| | | | | | |
|-----|-----------------------------------|------------|-----|-------|-------------------|
| | Reddy | | | | |
| 18. | Julakalva Niranjanareddy | 179Y1A0458 | ECE | V SEM | J. Niranjan Reddy |
| 19. | Kalluru Sunandhana | 179Y1A0459 | ECE | V SEM | K. Sunandhana |
| 20. | Kambam Vasu Kalyan Reddy | 179Y1A0460 | ECE | V SEM | K. Vasu |
| 21. | Kambella Samba | 179Y1A0461 | ECE | V SEM | K. Samba |
| 22. | Kanala Pramod Kumar Reddy | 179Y1A0463 | ECE | V SEM | K. Pramod |
| 23. | Ketha Madhava Reddy | 179Y1A0464 | ECE | V SEM | K. Madhava |
| 24. | Kollapudi Keerthana | 179Y1A0467 | ECE | V SEM | K. Keerthana |
| 25. | Komme Seshu | 179Y1A0468 | ECE | V SEM | K. Seshu |
| 26. | Konda Kondaiah | 179Y1A0469 | ECE | V SEM | K. Kondaiah |
| 27. | Konkala Dharani | 179Y1A0470 | ECE | V SEM | K. Dharani |
| 28. | Kora Lakshmi Prasanna | 179Y1A0471 | ECE | V SEM | K. Prasanna |
| 29. | Kovelakuntla Shaik Abdul Kalam | 179Y1A0472 | ECE | V SEM | K. Shaik |
| 30. | Lomada Jaya Sree | 179Y1A0473 | ECE | V SEM | K. Sree |
| 31. | Majjari Sreekanth | 179Y1A0475 | ECE | V SEM | M. Sreekanth |
| 32. | Mallireddy Maheswara Reddy | 179Y1A0476 | ECE | V SEM | M. Maheswara |
| 33. | Mallu Jyothi | 179Y1A0477 | ECE | V SEM | M. Jyothi |
| 34. | Mallu Pavithra | 179Y1A0478 | ECE | V SEM | M. Pavithra |
| 35. | Manneti Srikanth Reddy | 179Y1A0480 | ECE | V SEM | M. Srikanth Reddy |
| 36. | Mesha Divya Sree | 179Y1A0481 | ECE | V SEM | M. Divya |
| 37. | Moyellacheruvu Raghava | 179Y1A0483 | ECE | V SEM | M. Raghava |
| 38. | Mukkamalla Dadavali | 179Y1A0484 | ECE | V SEM | M. Dadavali |
| 39. | Munagapati Chandana Sai | 179Y1A0485 | ECE | V SEM | M. Chandana Sai |
| 40. | Muthraipalle Shaik Sajid | 179Y1A0486 | ECE | V SEM | M. Sajid |
| 41. | Nallabothula Pallavi | 179Y1A0488 | ECE | V SEM | N. Pallavi |
| 42. | Nareddula Ramya | 179Y1A0489 | ECE | V SEM | N. Ramya |
| 43. | Neelam Pravallika | 179Y1A0490 | ECE | V SEM | N. Pravallika |
| 44. | Obu Swathi | 179Y1A0492 | ECE | V SEM | Obu Swathi |
| 45. | Obulareddy Gari Manoja Reddy | 179Y1A0493 | ECE | V SEM | O. Manoja Reddy |
| 46. | P Nazma | 179Y1A0494 | ECE | V SEM | P. Nazma |
| 47. | Pagala Prathyusha | 179Y1A0496 | ECE | V SEM | P. Prathyusha |
| 48. | Pasavala Venkata | 179Y1A0499 | ECE | V SEM | P. Venkata |

| | | | | | |
|-----|------------------------------|------------|-----|-------|-----------------|
| | Ramana | | | | |
| 49. | Pathakuntla Ushasree | 179Y1A04A0 | ECE | V SEM | P. Ushasree |
| 50. | Peddiviti Narasimha | 179Y1A04A3 | ECE | V SEM | Ushasree |
| 51. | Pichala Vinod Kumar Reddy | 179Y1A04A4 | ECE | V SEM | P. Vinod |
| 52. | Pogili Sivalahari | 179Y1A04A5 | ECE | V SEM | Sivalahari |
| 53. | Polepalli Vijaya Vani | 179Y1A04A6 | ECE | V SEM | Vijaya Vani |
| 54. | Ramachandrappa Gari Bharath | 179Y1A04A9 | ECE | V SEM | R. Gari Bharath |
| 55. | Ranadhir Reddy U | 179Y1A04B0 | ECE | V SEM | R. Reddy |
| 56. | Rangareddigari Nithya Sree | 179Y1A04B1 | ECE | V SEM | R. Nithya |
| 57. | Rudraraju Charan Kumar Raju | 179Y1A04B3 | ECE | V SEM | R. Charan |
| 58. | Thovi Pavan Kumar | 179Y1A04D0 | ECE | V SEM | R. Pavan |
| 59. | Tiruveedhi Prashanthi Sharon | 179Y1A04D1 | ECE | V SEM | P. Sharon |
| 60. | Udatha Ganga Kiran | 179Y1A04D2 | ECE | V SEM | U. Kiran |
| 61. | Utti Bhavyasree | 179Y1A04D3 | ECE | V SEM | U. Bhavyasree |
| 62. | V Naga Raju | 179Y1A04D4 | ECE | V SEM | V. Naga Raju |
| 63. | Valluru Siddaiah | 179Y1A04D5 | ECE | V SEM | V. Siddaiah |
| 64. | Vampana Sai Harsha Vardhan | 179Y1A04D6 | ECE | V SEM | V. Harsha |
| 65. | Veludurthi Dastagiri | 179Y1A04D8 | ECE | V SEM | V. Dastagiri |
| 66. | Vours Bhavani | 179Y1A04D9 | ECE | V SEM | V. Bhavani |
| 67. | Adapala Vani Prasanna | 189Y5A0401 | ECE | V SEM | A. Vani |
| 68. | C Suresh | 189Y5A0402 | ECE | V SEM | C. Suresh |
| 69. | Golla Pruthvi Yadav | 189Y5A0403 | ECE | V SEM | G. Pruthvi |
| 70. | Kakarla Mahesh | 189Y5A0404 | ECE | V SEM | K. Mahesh |
| 71. | Kakarla Nagoor Basha | 189Y5A0405 | ECE | V SEM | K. Nagoor |
| 72. | Mallugalla Madhu | 189Y5A0406 | ECE | V SEM | M. Madhu |
| 73. | Marella Sasidhar Reddy | 189Y5A0407 | ECE | V SEM | M. Sasidhar |
| 74. | Musturu Raheem | 189Y5A0409 | ECE | V SEM | M. Raheem |
| 75. | Palem Venkateswari | 189Y5A0410 | ECE | V SEM | P. Venkateswari |

P. Krishna
Coordinators

G. H. H.
HoD
Professor & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
KADAPA - 516 003

Certification Course

Course name: NS3 PROGRAMMING

Course objectives:

1. Help to improve the technical rigor of network simulation practice
2. Build and maintain a simulation core align also with the needs of the research community

Course outcomes:

At the end of the course the student shall be able to

1. Simulate different topologies of NS3 networks.
2. Implement the physical and MAC layer protocols of NS3 networks.
3. Apply Running scripts for NS3 networks.
4. Implement the key abstraction of NS3.
5. Demonstrate the different topologies of WSNs.

UNIT-1

Introduction: about NS3, For NS2 Users, and contributing, Tutorial Origination.

UNIT-II

Resources: The web, Git, C make, Development Environment, Socket Programming

UNIT-III

Getting Started: Overview of NS3, Prerequisites, Downloading NS3 Using GIT, Building NS3, Testing NS3, Running Script NS3.

UNIT-IV

Conceptual Overview: Key Abstraction of NS3, A First ns3 script, NS3 source code.

UNIT-V

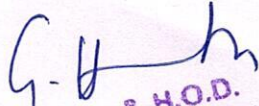
Building Topologies: Building a BUS Network Topologies, Models, Attributes and Reality, Building a Wireless network Topologies.

Text books:

1. C. Siva Ram Murthy and B. S. Manoj, "Wireless Networks Architectures and Protocols", Second Edition, Pearson Publication, 2015.
2. Holger Karl and Andreas Willig, "Protocol and Architecture for Wireless Sensor Networks", First Edition, John wiley publication, 2011.

WEB REFERENCES:

1. <https://ns2blogger.blogspot.com/p/ns>
2. <https://www.mathworks.com/matlabcentral/fileexchange/66574-leach>


Professor & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
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SCHEDULE

Department of ECE

Certification Course

On

“NS3 Programming” From 13/08/2019 to 30/08/2019

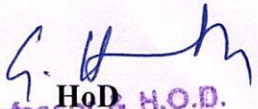
| Date | Timing | Resource person | Topic to be covered |
|------------|-------------|--------------------------|---|
| 13-08-2019 | 3 PM to 5PM | Dr.S.L.Prathap Reddy | Introduction: about NS3 |
| 13-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | Introduction: about NS3 |
| 14-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | For NS2 Users, and contribution,tutorials |
| 16-08-2019 | 3PM to 5PM | Sri.P.Krishna teja yadav | Resources: The web, Git |
| 16-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | C make, Development Environment |
| 17-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Development Environment |
| 19-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Socket Programming |
| 19-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Getting Started: Overview of NS3 |
| 20-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Prerequisites |
| 20-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Downloading NS3 Using GIT. |
| 21-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Building NS3 |
| 21-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Testing NS3 |
| 22-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Running Script NS3 |
| 22-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Conceptual Overview: |
| 23-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Key Abstraction of NS3 |
| 23-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | A First ns3 script |
| 24-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | NS3 source code |
| 24-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | Building Topologies |
| 26-08-2019 | 3PM to 5PM | Sri.P.Krishna teja yadav | Building a BUS Network Topologies |
| 26-08-2019 | 4PM to 5PM | Sri.P.Krishna teja yadav | Building a BUS Network Topologies |
| 27-08-2019 | 3PM to 5PM | Sri.P.Krishna teja yadav | Building a BUS Network Topologies |
| 27-08-2019 | 3PM to 5PM | Sri.P.Krishna teja yadav | Models, |
| 28-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Attributes and Reality |
| 28-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | Attributes and Reality |

| | | | |
|------------|------------|----------------------|-----------------------------|
| 29-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Wireless network Topologies |
| 29-08-2019 | 4PM to 5PM | Dr.S.L.Prathap Reddy | Wireless network Topologies |
| 30-08-2019 | 3PM to 4PM | Dr.S.L.Prathap Reddy | Wireless network Topologies |
| 30-08-2019 | 3PM to 5PM | Dr.S.L.Prathap Reddy | Valedictory |

Resource Person(s)

Coordinator(s)

P. Krishna


HoD
Professor & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
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DEPARTMENT OF ECE

Attendance sheet of Certification Course on “NS3 Programming”

From 13/08/2019 to 30/08/2019

| S. No. | Roll No. | Name | 13/08/2019 | 14/08/2019 | 16/08/2019 | 17/08/2019 | 19/08/2019 | 20/08/2019 | 21/08/2019 | 22/08/2019 | 23/08/2019 | 24/08/2019 | 26/08/2019 | 27/08/2019 | 28/08/2019 | 29/08/2019 | 30/08/2019 |
|--------|------------|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1. | 179Y1A0401 | Aduri Vishnu Vardhan Reddy | P | P | P | P | P | P | A | P | P | P | A | P | P | P | P |
| 2. | 179Y1A0402 | Ala Lakshmi Sai Gowri (W) | P | A | P | P | P | P | P | P | P | P | P | A | P | P | A |
| 3. | 179Y1A0403 | Ambati Gurusiva | P | P | P | P | A | P | A | P | P | P | P | A | P | P | P |
| 4. | 179Y1A0404 | Ambati Lakshumaiah | P | P | P | P | A | P | P | A | A | P | P | P | P | P | P |
| 5. | 179Y1A0405 | Andela Matam Vinay Kumar | P | P | A | P | P | A | P | P | P | P | P | P | P | P | P |
| 6. | 179Y1A0406 | Ankana Sunitha (W) | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 7. | 179Y1A0407 | Annareddy Venkata Meghana(W) | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 8. | 179Y1A0408 | Anuguru Vineela (W) | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 9. | 179Y1A0429 | Chavva Jaswitha (W) | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 10. | 179Y1A0431 | Chilla Venkateswara Reddy | P | A | P | P | P | A | A | P | P | P | A | P | P | P | P |

| | | | | | | | | | | | | | | | | | |
|-----|------------|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66. | 179Y1A04D9 | Vours Bhavani (W) | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P |
| 67. | 189Y5A0401 | Adapala Vani Prasanna (W) | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 68. | 189Y5A0402 | C Suresh | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 69. | 189Y5A0403 | Golla Pruthvi Yadav | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P |
| 70. | 189Y5A0404 | Kakarla Mahesh | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P |
| 71. | 189Y5A0405 | Kakarla Nagoor Basha | P | A | P | P | P | P | P | P | A | P | P | P | P | P | P |
| 72. | 189Y5A0406 | Mallugalla Madhu | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 73. | 189Y5A0407 | Marella Sasidhar Reddy | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P |
| 74. | 189Y5A0409 | Musturu Raheem | P | P | P | A | P | P | A | P | P | P | P | P | P | P | P |
| 75. | 189Y5A0410 | Palem Venkateswari (W) | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |

P. Krishn.
Coordinator(s)

G. H. H.
HOD
Professor & H.O.D.
Department of E.C.E.
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Department of Electronics & Communication Engineering
Certification course

on


NETWORK SIMULATOR

Coordinators

Dr.G.Nagarajan

Sri.P.Krishna Teja Yadav

Duration

13-08-2019 to 30-08-2019

Venue

DSP Lab

Resource Persons

Dr.S.L.Pratap Reddy

Sri.P.Krishna Teja Yadav

Dr. G. HEMALATHA
(Professor & Head)

Dr. V.S.A. Murthy
(Principal)

Prof. A. MOHAN
(Director)

Sri K. Srinanda Reddy
(Correspondent, Secretary, Treasurer)

Sri K. Mallesh Mohan Reddy
(Vice - Chairman)

Sri S. Sankar Reddy
(Chairman)



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ACTIVITY REPORT

Value added Course

On

“NS3 Programming”

From 13th Aug 2019 to 30th Aug 2019

| | | |
|-------------------------|---|---|
| Target Group | : | B.Tech Students |
| Details of Participants | : | 75 Students |
| Resource persons | : | Dr.S.L.Prathapa reddy, Asst.Prof, Dept. of ECE Sri.P.Krishna teja yadav, Asst.Prof, Dept. of ECE |
| Coordinators | : | Dr.G.Nagarajan, Prof, Dept. of ECE Sri.P.Krishna teja yadav, Asst.Prof, Dept. of ECE |
| Organizing Department | : | Department of Electronics and Communication Engineering |
| Venue | : | CRI lab |

Description:

Certification Course on “NS3 Programming” was organized by Dept. of ECE from 13/08/2019 to 30/08/2019. Dr .S.L.Prathapa reddy, Sri.P.Krishna teja yad av acted as Course instructors. Introduction about NS3, For NS2 Users, and contributing. Resources, The web, Git, C make, Development Environment, Socket Programming. Getting Started: Overview of NS3, Prerequisites, Downloading NS3 Using GIT, Building NS3, Testing NS3, Running Script NS3 was explained.

Photo

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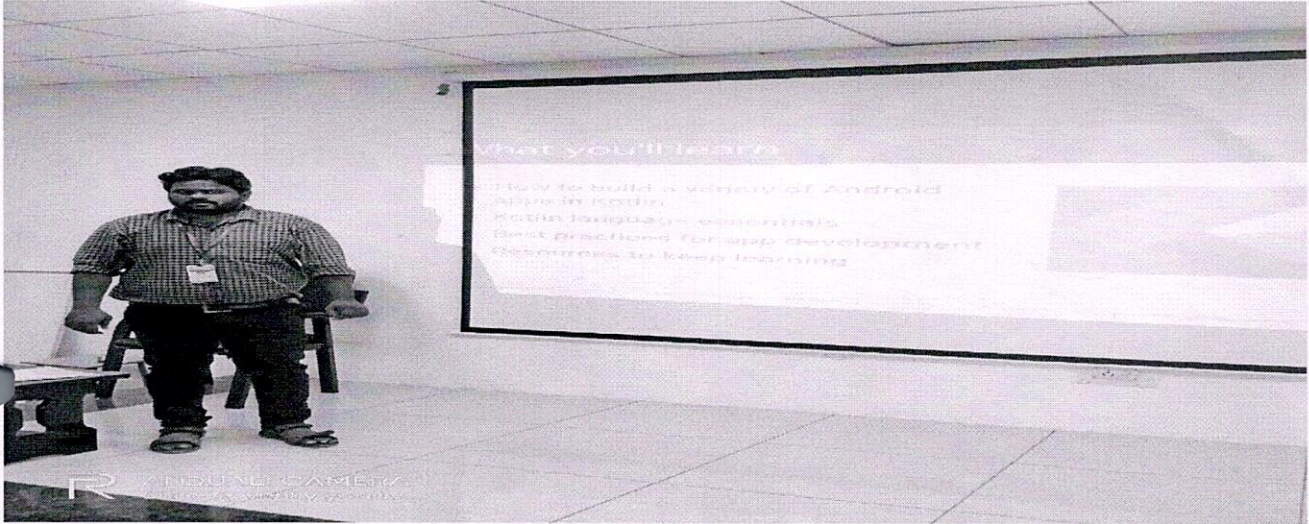


Fig :Resource person delivers the lecture.



Fig :Students listening to the lecture.

P. Divish .
Coordinators

G. H. M.
Prof. HoD & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
KADAPA - 516 003



KSRM COLLEGE OF ENGINEERING

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Kadapa, Andhra Pradesh, India- 516003.

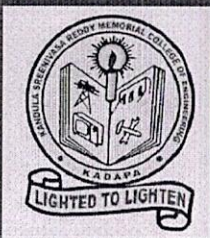
CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A. Vineela
bearing roll no 17941A0408 has Completed a Certification
Course on "NS3 Programming" organized by the department of **Electronics &
Communication Engineering** , KSRM College of Engineering from 13-08-2019
to 30-08-2019.

P. Krish.
Coordinator

G. H. H.
HoD, ECE

V. S. S. Murthy
Principal



KSRM COLLEGE OF ENGINEERING

UGC- AUTONOMOUS

Approved by AICTE, New Delhi, Affiliated to JNTUA, Ananthapuramu.
Kadapa, Andhra Pradesh, India- 516003.

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A. Gurusiva
bearing roll no 17941A0403 has Completed a Certification
Course on "NS3 Programming" organized by the department of **Electronics &
Communication Engineering** , KSRM College of Engineering from 13-08-2019
to 30-08-2019.

P. Krishn.
Coordinator

G. H. M.
HoD, ECE

V. S. S. Murthy
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Kadapa, Andhra Pradesh, India- 516003.

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A Lakshumaih
bearing roll no 17941A0404 has Completed a Certification
Course on "**NS3 Programming**" organized by the department of **Electronics &
Communication Engineering** , KSRM College of Engineering from 13-08-2019
to 30-08-2019.

P. Anish
Coordinator

G. H. H.
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V. S. S. Murthy
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K.S.R.M. COLLEGE OF ENGINEERING

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Kadapa, Andhra Pradesh, India- 516 003

FEEDBACK FORM

Certification Course on “NS3 Programming”, from 13-08-2019 to 30-08-2019

Organized

by

Department of Electronics & Communication Engineering

NAME:

Roll No:

| No | Feedback Item | Excellent | Very Good | Good | Average | Below Average |
|----|--|-----------|-----------|------|---------|---------------|
| 1 | Organization of certificate course and session planning by instructor. | | | | | |
| 2 | Clarity in content delivery. | | | | | |
| 3 | Content is relevant and useful | | | | | |
| 4 | Adequate opportunity to interact with trainer | | | | | |
| 5 | Judicious mix of concepts. Principles and practices. | | | | | |
| 6 | Assignments and tasks are interesting and challenging. | | | | | |
| 7 | Overall rating | | | | | |

Any suggestions for improvement.

Signature



K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India – 516 003

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An ISO 14001:2004 & 9001: 2015 Certified Institution

**Certification Course on
“NS3 Programming”
13/08/2019 to 30/08/2019**

Feedback responses

| S.No. | Roll No | Year & Semester | Branch | Is the course content met your expectation | Is the lecture sequence well planned | The contents of the course is explained with examples | Is the level of course high | Is the course exposed you to the new knowledge and practices | Is the lecturer clear and easy to understand | Rate the value of course in increasing your skills | Any issues |
|-------|------------|-----------------|--------|--|--------------------------------------|---|-----------------------------|--|--|--|------------|
| 1 | 179Y1A0401 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 3 | 5 | Nothing |
| 2 | 179Y1A0402 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 4 | very good |
| 3 | 179Y1A0403 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 4 | 179Y1A0404 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | very good |
| 5 | 179Y1A0405 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 5 | Nothing |
| 6 | 179Y1A0406 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 3 | Good |
| 7 | 179Y1A0407 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Good |
| 8 | 179Y1A0408 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Nothing |
| 9 | 179Y1A0429 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Nothing |

| | | | | | | | | | | | |
|----|------------|--------------|-----|-----|-----|----------------|-------|----------------|---|---|-----------|
| 10 | 179Y1A0431 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 3 | Very Good |
| 11 | 179Y1A0433 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 5 | Good |
| 12 | 179Y1A0435 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Good |
| 13 | 179Y1A0436 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 5 | Nothing |
| 14 | 179Y1A0452 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | very good |
| 15 | 179Y1A0454 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | Nothing |
| 16 | 179Y1A0455 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 5 | very good |
| 17 | 179Y1A0456 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |
| 18 | 179Y1A0458 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 4 | Nothing |
| 19 | 179Y1A0459 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 20 | 179Y1A0460 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 3 | 3 | Good |
| 21 | 179Y1A0461 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 22 | 179Y1A0463 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 23 | 179Y1A0464 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | Good |
| 24 | 179Y1A0467 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 4 | Good |
| 25 | 179Y1A0468 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | Good |
| 26 | 179Y1A0469 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 27 | 179Y1A0470 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |
| 28 | 179Y1A0471 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | No |
| 29 | 179Y1A0472 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 3 | No |
| 30 | 179Y1A0473 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | No |
| 31 | 179Y1A0475 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | nothing |
| 32 | 179Y1A0476 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | Nothing |

| | | | | | | | | | | | |
|----|------------|--------------|-----|-----|-----|----------------|-------|----------------|---|---|-----------|
| 33 | 179Y1A0477 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | No |
| 34 | 179Y1A0478 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 5 | Nothing |
| 35 | 179Y1A0480 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 36 | 179Y1A0481 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 3 | 5 | Nothing |
| 37 | 179Y1A0483 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 4 | very good |
| 38 | 179Y1A0484 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 39 | 179Y1A0485 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | very good |
| 40 | 179Y1A0486 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 5 | Nothing |
| 41 | 179Y1A0488 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 3 | Good |
| 42 | 179Y1A0489 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Good |
| 43 | 179Y1A0490 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Nothing |
| 44 | 179Y1A0492 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 45 | 179Y1A0493 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 3 | Very Good |
| 46 | 179Y1A0494 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 5 | Good |
| 47 | 179Y1A0496 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 4 | Good |
| 48 | 179Y1A0499 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 5 | Nothing |
| 49 | 179Y1A04A0 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | very good |
| 50 | 179Y1A04A3 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | Nothing |
| 51 | 179Y1A04A4 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 5 | very good |
| 52 | 179Y1A04A5 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |
| 53 | 179Y1A04A6 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 3 | 4 | Nothing |
| 54 | 179Y1A04A9 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 55 | 179Y1A04B0 | B.Tech Vsem | ECE | Yes | Yes | Strongly | Agree | Strongly agree | 3 | 3 | Good |

| | | | | | | | | | | | |
|----|------------|--------------|-----|-----|-----|----------------|-------|----------------|---|---|---------|
| | | | | | | agree | | | | | |
| 56 | 179Y1A04B1 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 5 | Good |
| 57 | 179Y1A04B3 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 58 | 179Y1A04D0 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | Good |
| 59 | 179Y1A04D1 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 4 | Good |
| 60 | 179Y1A04D2 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | Good |
| 61 | 179Y1A04D3 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 62 | 179Y1A04D4 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |
| 63 | 179Y1A04D5 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | No |
| 64 | 179Y1A04D6 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 3 | No |
| 65 | 179Y1A04D8 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | No |
| 66 | 179Y1A04D9 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | nothing |
| 67 | 189Y5A0401 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 4 | Good |
| 68 | 189Y5A0402 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | Good |
| 69 | 189Y5A0403 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 5 | Nothing |
| 70 | 189Y5A0404 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |
| 71 | 189Y5A0405 | B.Tech Vsem | ECE | Yes | Yes | agree | Agree | Strongly agree | 4 | 4 | No |
| 72 | 189Y5A0406 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 4 | 3 | No |
| 73 | 189Y5A0407 | B.Tech Vsem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | No |
| 74 | 189Y5A0409 | B.Tech V sem | ECE | Yes | Yes | Strongly agree | Agree | Strongly agree | 5 | 4 | nothing |
| 75 | 189Y5A0410 | B.Tech V sem | ECE | Yes | Yes | agree | Agree | Strongly agree | 5 | 3 | No |

P. Krishna
Coordinator

G. H. M.
HoD
Professor & H.O.D.
Department of E.C.E.
K.S.R.M. College of Engineering
KADAPA - 516 003