CSEPULSE

Department of

Computer Science & Engineering

Nalla Narasimha Reddy
Group of Institutions

NNRG
Integrated Campus

NALLA NARASIMHA REDDY
Education Society's Group of Institutions–Integrated Campus
Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M),
Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana.
(UGC AUTONOMOUS INSTITUTION)

Accredited by
A+ NAAC
NBA NATIONAL ACCREDITATION | CSE ECE

List of Contents

Editorial Board

Name	Designation	Role	Department
Mr. K. Sairam	Asst. Professor	Chief Editor	CSE
Mrs. P. Santhi Priya	Assoc. Professor	Editor	CSE
Mrs. S. Radhika	Asst. Professor	Editor	CSE
Mr. S. Naveen	Student	Coordinator	III-CSE
Ms. Vaishnavi	Student	Coordinator	III-IT
Mr. G. Sai Sathvik	Student	Coordinator	II-CSE
Mr. D. Omkara Krishna	Student	Coordinator	II-CSE (AIML)
Ms. P. Harshavardhini	Student	Coordinator	II-CSE (DS)
Ms. T. Harshitha	Student	Coordinator	II-IT

VISION & MISSION OF THE INSTITUTE

VISION

To be a premier institution ensuring globally competent and ethically strong professionals.

MISSION

1. To provide higher education by refining the traditional methods of teaching to make globally competent professionals.

2. To impart quality education by providing the state of the art infrastructure and innovative research facilities.

3. To practice and promote high standards of professional ethics, transparency, and accountability.

VISION & MISSION OF THE DEPARTMENT

VISION

To be a center of excellence for creative and innovative Computer Science and Engineering graduates with strong programming skills, research, and industry-ready for building value-based society.

MISSION

1. Imparting the quality technical education through an effective teaching – learning process for producing global competent IT professionals with moral values.

2. Providing the state of the art infrastructure and ICT for Continuous innovative learning and research.

3. Undertake collaboration & Internship with industry to produce industry-ready graduates.

ABOUT THE DEPARTMENT

The department of Computer Science and Engineering was established in the year 2009. The growth of the Department of Computer Science & Engineering is taking strides in strength and in facilities every year. The blooming department is headed by Dr. K. Rameshwaraiah.

The Department is known for its reputed faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently to provide them with a Bachelor's Degree in Computer Science. The students of the department actively participate in co-curricular and extra-curricular activities. Tech Samuuhah is an informal association of students and faculty of CSE. It conducts various technical events to benefit students in academic and technical skills.

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all the times. Department has 6 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The Department is known for its eminent faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently.

The main motto of the Department is to bridge the gap between industry and institution and produce industry required tailor-made engineers.

SALIENT FEATURES:

Intake

The growth of the Department is taking strides in strengths and facilities every year.

- ➢ The Department offers a four-year course of Bachelors Degree B.Tech in Computer Science and Engineering with an intake of 180 seats.
- ➢ The Department offers a four-year course of Bachelors Degree B. Tech. in CSE (Data Science) as an aligned course with an intake of 60 seats was established in the year 2021.
- ➢ The Department offers a four-year course for Bachelors Degree B. Tech. in CSE (Artificial Intelligence & Machine Learning) as an aligned course with an intake of 60 seats was established in the year 2021.

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

Accreditations

> ➢ The department is accredited by the National Board of Accreditation (NBA) in the years 2018 & 2021.

Infrastructure

Department tailors industry required computer professionals to bridge the technological gap between Academia and Industry. It instigates the latest innovations in the new era of the world of computer science and the faculty enthusiastically involves in imparting programming roots of various technologies. Computer science and engineering comprise a total of nine computer labs with more than 400 high-end systems with software recommended by JNTUH and AICTE. UG & PG students are enforced to practice all the lab sessions in a LINUX environment.

Faculty

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all times. The department contains more than 40 faculty members including Professors, Associate Professors, and Assistant Professors. In addition to teaching faculty, we have non-faculty and system administrators. Department has 9 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The teaching staff members are dedicated and determined to learn new Technologies, update their subject knowledge, and to give their best all the time. The department enforced association with professional societies like IEEE, CSI, ISTE, etc.

The department of CSE is having an academic alliance with ORACLE Academy, VM Ware, and DELL EMC.

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

GUEST LECTURES

1. A guest lecture on "Skill for Industry" was conducted on 19-11-2022 for III & IV - CSE students through Honeywell Technology Solutions by ICT Academy with the IIC- NNRG. Mr. Prashanth Gaddam - Sr. Advanced Project Manager & Mr. Arpit Shrivastava – Sr. Project Manager, from Honeywell Technology Solutions, and Ms. Vipasha Jain – Sr. Quality Analyst at Cognizant the resource persons for the session.

Mr. Prashanth from Honeywell Technology
Solutions addressing the students

2. A guest lecture on "Motivational Session – Successful Entrepreneur / Successful Start-up Founder" was conducted on 30-11-2022 for IV CSE students with the IIC – NNRG. Mr. Srinivas Aluri, Director, Modulus Composites Pvt. Ltd. & Founder, Smart Machines and Structure, Hyderabad, is the resource person for the session.

Mr. A. Srinivas addressing the students

INDUSTRIAL INTERNSHIPS

S. No	Roll Number	Name of the Student	Name of the Organization
1	197Z1A0505	E. AKASH KISHORE	P2E PRO
2	197Z1A0562	S. JAYANTH SRIVASTAV	DRDL
3	197Z1A0568	KETAN BHAILIKAR	DRDL
4	197Z1A0596	N. RANADHEER	VERZEO

STUDENT ACHIEVEMENTS

Student Placements

S. No	Roll No	Name of The Student	Name of the Employer
1	197Z1A0511	A CHARAN	ARI
2	197Z1A0513	ARYASOMAYAJULA KAMESH	TCS
3	197Z1A0519	B. AJAY SAMPATH	ARI
4	197Z1A0520	B. ANUSHA SREE	TCS
5	197Z1A0533	C. NANDU VARDHAN REDDY	TCS
6	197Z1A0545	D. VAISHNAVI	ARI
7	197Z1A0547	E. SUDHA	TCS
8	197Z1A0548	E. NAVEEN KUMAR	ARI
9	197Z1A0552	G. SAI SAMPATH REDDY	ARI
10	197Z1A0559	J. SEVIKA	ARI
11	197Z1A0568	KETAN BHAILIKAR	UNISTRING TECH SOLUTIONS
12	197Z1A05A4	P. KARTHEEK	JMAN GROUP
13	197Z1A05A5	P. REETHIKA	ARI
14	197Z1A05A7	P. PAVITHRA	ARI
15	197Z1A05B3	R. DIVYA VARMA	ARI
16	197Z1A05C2	G. SHARATH CHANDRA REDDY	TCS
17	197Z1A05C3	S. VAISHNAVI	ARI
18	197Z1A05C6	S. DEEKSHITH KUMAR	ARI
19	197Z1A05E0	N. C. SUDHANSU SRI SAI	ARI
20	207Z5A0506	K. RAMACHANDRA REDDY	TCS

Competitive Examinations

S. No	Roll Number	Name of the Student	Name of the Examination
1	197Z1A0506	A MANIDEEP	GRE
2	197Z1A0509	A PREETHI	GRE
3	197Z1A0514	A SRINIVAS	GRE

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

4	197Z1A0516	B. PRANAV	GRE
5	197Z1A0533	CH. NANDU VARDHAN	GRE
6	197Z1A0534	CH. VAMSHI KRISHNA	GRE
7	197Z1A0536	D. SANJANA	GRE
8	197Z1A0548	E NAVEEN KUMAR	GRE
9	197Z1A0552	G. SAI SAMPATH REDDY	GRE
10	197Z1A0559	J. SEVIKA	IELTS
11	197Z1A0576	M. P. CHANIKYA	GRE
12	197Z1A0580	M. SAI RISHITHA	GRE
13	197Z1A0582	M. RAMYA SRIYA	GRE
14	197Z1A0585	MANSHIKA CHAKRAVARTHY	GRE
15	197Z1A05A9	P. SAI DIVYA	GRE & IELTS
16	197Z1A05B6	R. SIDHARTHA	IELTS
17	197Z1A05B8	S. MYTHILI	GRE
18	197Z1A05B9	S. PAVANI	GRE
19	197Z1A05C2	G. SHARATH CHANDRA	IELTS
20	197Z1A05C6	S. KEEKSHITH KUMAR	GRE
21	197Z1A05C7	S. R. NIRANJAN REDDY	IELTS
22	197Z1A05C8	S. SHWETHA	GRE
23	197Z1A05D2	T. RAJASREE	GRE & IELTS
24	197Z1A05D3	T. TEJA SAI SREEDHAR	GRE & IELTS
25	197Z1A05D7	V. SAI SHIVA	GRE & IELTS
26	197Z1A05E2	D. LAXMI PRASANNA	GRE
27	197Z1A05E3	K. RITHIKA	CSRE

ACADEMIC TOPPERS (2021-22)

III – Year - II – Semester (CSE)

S. No	Roll Number	Name of the Student	CGPA
1	197Z1A0598	NALABOLU MADHURI	8.89
2	197Z1A0580	MALLAPU SAI RISHITHA	8.67
3	197Z1A0582	MAMILLA RAMYA SRIYA	8.56
4	197Z1A0584	MANNE ANUSHA	8.56
5	207Z5A0503	G THARUN SRINIVAS	8.56

II – Year - II – Semester (CSE)

S. No	Roll Number	Name of the Student	CGPA
1	207Z1A0510	B D S V PRAKASH	9.00
2	207Z1A0577	KAVADI SADANA	8.89
3	207Z1A05H1	TUMMIDI JYOTHIRMAI	8.89
4	207Z1A0582	KONDAKINDHI SIRI	8.78
5	207Z1A05G2	SUKANYA YERRABATI	8.67

II – Year - II – Semester (IT)

S. No	Roll Number	Name of the Student	CGPA
1	207Z1A1202	A PURNA CHANDRIKA	8.56
2	207Z1A1211	GUJJARI SHIVANI	8.44
3	207Z1A1236	P ANNAPURNA REDDY	8.44
4	207Z1A1205	CHINMAYEE E	8.33
5	207Z1A1223	K NEHARSREE REDDY	8.33

FACULTY ACHIEVEMENTS

Patents

- ➢ Mrs. S. Radhika," Feature Selection Using Multi-Objective Clustering Based Gray Wolf Optimization for Big Data Analytics", Application no. 202241062492, Published date: 11/11/2022.

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

➢ Mrs. M. Sonia & Mr. K. SaiRam," Secure the Internet of Vehicles Communication Using Block Chain Technology", Application no. 202241052630, Published date: 23/09/2022.

➢ Mrs. P. Santhi Priya," Maintenance of Data Integrity and Security in Cloud Using IoT Based Audio Watermarking Approach", Application no. 202231032850, Published date: 08/07/2022.

Journals / Conferences

➢ Dr. K. Srinivasa Babu Kasturi, "An Improved Energy Efficient Solution for Routing in IoT", published an Article in the Journal of Pharmaceutical Negative Results, Volume 13, Special Issue 6, October 2022, DOI: 10.47750/pnr.2022.13.506.221.

➢ Dr. K. Rameshwaraiah, Dr. S. Sree Hari Raju and Mr. K. Ashok Kumar "High-Performance Computing Framework for Virtual Memory Using CNN", Advanced Technologies and Societal Change – CHSN 2020 (Springer), ISSN (e) : 2191-6861 ISBN (eBook): 978-981-19-4044-6.

➢ Dr. K. Srinivasa Babu, Ms. K. Jaya Sri, and Ms. Cholleti Jyothi," Sensor-Based Radio Frequency Identification Technique for the Effective Design Process of Diverse Applications Using WSN", Advanced Technologies and Societal Change – CHSN 2020 (Springer), ISSN (e) : 2191-6861 ISBN (eBook): 978-981-19-4044-6.

Workshops / FDP's Attended

➢ Mrs. . V. Rani Sailaja, has attended Online Short-Term Course on "Python Programming for Intelligence" conducted by the Department of Computer Science Engineering NIT Warangal in association with CCE, NIT Warangal from 28-11-2022 to 02-12-2022

➢ Mrs. V. Rani Sailaja, has attended Online Short-Term Course on "Artificial Intelligence Machine Learning and Deep Learning" conducted by the Department of Computer Science Engineering NIT Warangal in association with CCE, NIT Warangal from 28-11-2022 to 02-12-2022.

➢ Mrs. A. Prashanthi, has attended Online Short-Term Course on "Artificial Intelligence Machine Learning and Deep Learning" conducted by the Department of Computer Science Engineering NIT Warangal in association with CCE, NIT Warangal from 28-11-2022 to 02-12-2022.

Book Publication

➢ Dr. Srinivasa Babu Kasturi, Dr. S. Sree Hari Raju and Mr. Naveen Adusumilli, published book on "Introduction to Data Science", in South Asian Academic Publication with ISBN: 978-93-92153-46-4.

NPTEL Certifications

➢ Dr. S. Sree Hari Raju, NPTEL certification on "Cloud Computing", organized by IIT Kharagpur, July-October 2022.

➢ Dr. K. Srinivasa Babu, NPTEL certification on "Cloud Computing", organized by IIT Kharagpur, July-October 2022.

➢ Mr. T. Madhu, NPTEL certification on "Cloud Computing", organized by IIT Kharagpur, July-October 2022.

➢ Mr. A. Naveen, NPTEL certification on "Cloud Computing", organized by IIT Kharagpur, July-October 2022.

➢ Mrs. N. Shravani, NPTEL certification on "Cloud Computing", organized by IIT Kharagpur, July-October 2022.

➢ Dr S Sree Hari Raju, NPTEL certification on "Public Speaking", organized by IIT Kharagpur, July-October 2022.

➢ Mrs. N. Samatha, NPTEL certification on "Discrete Mathematics", organized by IIT Madras, July-October 2022.

➢ Mrs. P. Santhi Priya, NPTEL certification on "Theory of Computation", organized by IIT Kharagpur, July-September 2022.

➢ Mr. P. Shiva Shankar, NPTEL certification on "Theory of Computation", organized by IIT Madras, July-September 2022.

➢ Mr. G. Venu Gopal, NPTEL certification on "Introduction to Operating Systems", organized by IIT Kharagpur, July-September 2022.

➢ Mr. M. Nagaraju, NPTEL certification on "Data Base Management Systems", organized by IIT Kharagpur, August-October 2022.

➢ Mr. P. Shiva Shankar, NPTEL certification on "Data Base Management Systems", organized by IIT Kharagpur, August-October 2022.

TRAINING AND PLACEMENT ACTIVITIES

Certification Program

A Certification Program on "AWS Certified Cloud Practitioner (CLF-C01)" was conducted from 19-09-2022 to 01-10-2022 exclusively for Girls a total of 110 students of IV – CSE under "Center of Excellence for Women Empowerment", the program was conducted for 100 hours which are Sponsored by Honeywell and implemented by ICT Academy. Mr. Mandar Bhalekar and Mr. Siddiq Pasha – AWS Trainer CloudThat & AWS Certified are the resource persons for the certification program.

Industry Training

A training program was conducted on "JAVA Full Stack Training – Phase I" from 05-12-2022 to 24-12-2022, through EAIESB Software Solutions Pvt Ltd for IV – CSE students.

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING　　　**CSEPULSE - 2022-23**

S. No	Roll Number	Name of the Student	Year	Name of the Event (Online)	Duration (20 Hrs)
1	197Z1A0509	A PREETHI	IV	AWS Academy Cloud Foundation	Certified
2	197Z1A0515	B SRUJANA	IV	AWS Academy Cloud Foundation	Certified
3	197Z1A0517	B DIVYA	IV	AWS Academy Cloud Foundation	Certified
4	197Z1A0520	B ANUSHA SREE	IV	AWS Academy Cloud Foundation	Certified
5	197Z1A0521	B GEETA SREE	IV	AWS Academy Cloud Foundation	Certified
6	197Z1A0522	BHOOMIKA M	IV	AWS Academy Cloud Foundation	Certified
7	197Z1A0528	B CHANDINI	IV	AWS Academy Cloud Foundation	Certified
8	197Z1A0532	C RAMYA	IV	AWS Academy Cloud Foundation	Certified
9	197Z1A0536	D SANJANA	IV	AWS Academy Cloud Foundation	Certified
10	197Z1A0537	D SINDHUJA	IV	AWS Academy Cloud Foundation	Certified
11	197Z1A0540	D ANKITHA	IV	AWS Academy Cloud Foundation	Certified
12	197Z1A0544	D NAVYA	IV	AWS Academy Cloud Foundation	Certified
13	197Z1A0545	D VAISHNAVI	IV	AWS Academy Cloud Foundation	Certified
14	197Z1A0546	D SUPRAJA	IV	AWS Academy Cloud Foundation	Certified
15	197Z1A0547	E SUDHA	IV	AWS Academy Cloud Foundation	Certified
16	197Z1A0551	G SHIVANI	IV	AWS Academy Cloud Foundation	Certified
17	197Z1A0553	G HARIPRIYA	IV	AWS Academy Cloud Foundation	Certified
18	197Z1A0554	G CHANDANA	IV	AWS Academy Cloud Foundation	Certified
19	197Z1A0556	G SUPRIYA	IV	AWS Academy Cloud Foundation	Certified
20	197Z1A0557	G JAHNAVI	IV	AWS Academy Cloud Foundation	Certified
21	197Z1A0559	J SEVIKA	IV	AWS Academy Cloud Foundation	Certified
22	197Z1A0566	J DIVYA	IV	AWS Academy Cloud Foundation	Certified
23	197Z1A0569	K MANASA	IV	AWS Academy Cloud Foundation	Certified
24	197Z1A0571	K JAYASREE	IV	AWS Academy Cloud Foundation	Certified
25	197Z1A0572	K SHISHIRA REDDY	IV	AWS Academy Cloud Foundation	Certified
26	197Z1A0575	M KRITHIKA	IV	AWS Academy Cloud Foundation	Certified
27	197Z1A0577	M SREEJA	IV	AWS Academy Cloud Foundation	Curtified
28	197Z1A0582	M RAMYA SRIYA	IV	AWS Academy Cloud Foundation	Certified
29	197Z1A0584	M ANUSHA	IV	AWS Academy Cloud Foundation	Certified
30	197Z1A0585	M CHAKRAVARTHY	IV	AWS Academy Cloud Foundation	Certified
31	197Z1A0594	M KASHAM MALINI	IV	AWS Academy Cloud Foundation	Certified
32	197Z1A0595	M RICHIE SHEETAL	IV	AWS Academy Cloud Foundation	Certified
33	197Z1A0597	N AKANKSHA	IV	AWS Academy Cloud Foundation	Certified
34	197Z1A0598	N MADHURI	IV	AWS Academy Cloud Foundation	Certified
35	197Z1A05A1	N DEEPIKA	IV	AWS Academy Cloud Foundation	Certified
36	197Z1A05A5	P REETHIKA	IV	AWS Academy Cloud Foundation	Certified
37	197Z1A05A7	P PAVITHRA	IV	AWS Academy Cloud Foundation	Certified
38	197Z1A05A8	P BHUVANASIRI	IV	AWS Academy Cloud Foundation	Certified
39	197Z1A05A9	P SAIDIVYA	IV	AWS Academy Cloud Foundation	Certified
40	197Z1A05B0	P POOJITHA	IV	AWS Academy Cloud Foundation	Certified
41	197Z1A05B3	R DIVYA VARMA	IV	AWS Academy Cloud Foundation	Certified
42	197Z1A05B4	RAHIL SHAIK	IV	AWS Academy Cloud Foundation	Certified
43	197Z1A05B8	S MYTHILI	IV	AWS Academy Cloud Foundation	Certified
44	197Z1A05B9	S PAVANI	IV	AWS Academy Cloud Foundation	Durtified
45	197Z1A05C3	S VAISHNAVI	IV	AWS Academy Cloud Foundation	Certified

Nalla Narasimha Reddy Education Society's Group of Institutions – Integrated Campus

46	197Z1A05C4	S JANAKI	IV	AWS Academy Cloud Foundation	Certified
47	197Z1A05C8	S SHWETHA	IV	AWS Academy Cloud Foundation	Certified
48	197Z1A05D0	S SRUTHI	IV	AWS Academy Cloud Foundation	Certified
49	197Z1A05D2	T RAJASREE	IV	AWS Academy Cloud Foundation	Certified
50	197Z1A05D4	TULA SAHITHYA	IV	AWS Academy Cloud Foundation	Certified
51	197Z1A05D6	V SAI PRATHYUSHA	IV	AWS Academy Cloud Foundation	Certified
52	197Z1A05E1	FARHA PARVEEN	IV	AWS Academy Cloud Foundation	Certified
53	197Z1A05E2	D LAXMI PRASANNA	IV	AWS Academy Cloud Foundation	Certified
54	197Z1A05E3	K RITHIKA	IV	AWS Academy Cloud Foundation	Certified
55	197Z1A05E5	V GOUTHAMI	IV	AWS Academy Cloud Foundation	Certified

aws academy

mamilla21 ramyasriya

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
10/01/2022

Digital badge
https://www.credly.com/go/DX8mjlc6

aws academy

Gujjari Supriya

Certificate of Completion for
AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed
20 hours

Issued on
10/02/2022
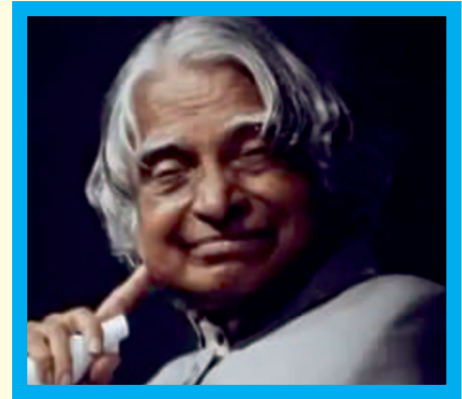
Digital badge
https://www.credly.com/go/M4e3XqLq

CO AND EXTRA CURRICULAR ACTIVITIES

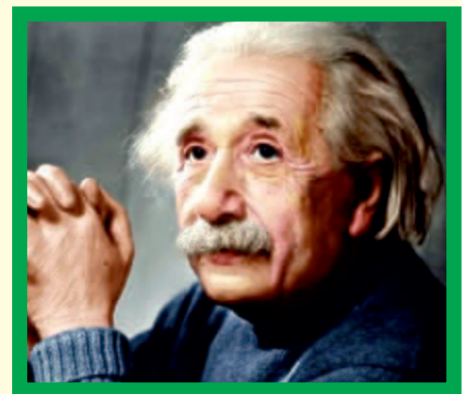| S. No	Roll Number	Name of the Student	Year	Name of the Event	Name of Host Institution	Prize details	Date(s)
1	207Z1A05G2	SUKANYA. Y	III	UG Summit Fest JNTUH	JNTUH	Participated	24-12-22
2	207Z1A05G1	S. JYOTHIR MANI	III	Technical Fest	BVRIT Hyderabad	Participated	12-10-22
3	207Z1A05F9	S. AKANKSHA	III	Technical Fest	BVRIT Hyderabad	Participated	12-10-22
4	207Z1A05H5	VENKATA SAI TEJASWINI	III	Technical Fest	BVRIT Hyderabad	Participated	12-10-22
5	207Z1A05G2	SUKANYA. Y	III	Dance Competition	JNTUH	Participated	24-09-22

"Punctuality is not about being on time, It's basically about respecting your own commitments."

- APJ Abdul Kalam

"Education is not the learning of facts, but the training of the mind to think."

- Albert Einstein

"Arise! Awake! and stop not Until the goal is reached."

- Swami Vivekananda

Nalla Narasimha Reddy
Group of Institutions

NNRG
Integrated Campus

NALLA NARASIMHA REDDY

Education Society's Group of Institutions–Integrated Campus

Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M),
Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana.
(UGC AUTONOMOUS INSTITUTION)

NNRG

NALLA NARASIMHA REDDY
GROUP OF INSTITUTIONS

SCIENCES

SCHOOL OF
ENGINEERING