

Nimra College of Engineering & Technology

(UGC AUTONOMOUS)



(Estd. By: Nimra Educational Society (A Muslim Minority Society))
Accredited by NAAC, Approved under UGC 2(f) and ISO Certified 9001:2015
Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada, and Permitted by Govt. of A.P
Nimra Nagar, Ibrahimpatnam, Vijayawada-521456, N.T.R District, A.P, India.
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Date: 01-03-2026

IIC Activity-8 Report, 2025-26

Academic Year	2025-26
Name of the institution	Nimra College of Engineering and Technology (UGC Autonomous)
IIC Institution ID	IC202219428
Theme	IIC
Quarter	Q-2
Activity Type	IIC Calendar
Activity Level	Level-2
Thrust Area	Validation and Concept Development
Mandatory/Elective	Mandatory
Activity Name	Celebration of National Science Day (NSD)
Activity Title	“Quantum Computing in the Current Era”
Program Theme	"Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat (Developed India)",
Date	28-02-2026
Time	10: 00 am to 04:00 pm
Duration in hours	6 hours
Mode of Conduct	Offline
Program Driven by	IIC and Department of Freshman Engineering
Department Involved	CSE,ECE, Freshman Engineering, MBA and MCA
Collaborated agency	LBRCE, Mylavaram, NTR, AP
Resource Persons	Dr.S.Yusub, Prof. in physics, dept. of freshman, LBRCE
Program Coordinator	Dr.Venkateswara Rao A, HOD, Department of BS&H Mr.B.Vijaya Kumar, Faculty in Physics, Department of BS&H Mrs.G.Preeti Jyotsna, HOD, Department of BS&H
Venue/Place	College Seminar Hall
Number of student Participants	78
Number of Faculty Participants	9
Number of external Participants	01
Activity Objectives	To think beyond the confines of textbooks and to apply their knowledge in solving real-world problems.
Key Outcomes	The after session commenced with a seminar competition among the technical students through PPT and Video Presentation, it was conducted by the event convener Mr.Vijaya Kumar, physics faculty. All registered students participated actively and presented their PPT on “Quantum Computing in current Era”. The chief gust Dr.Akbar Khan, Principal and BS&H, CSE department’s HODs acted as judges. Based on the judge’s remarks the prizes and certificated were awarded to the winner (I.II.III).

Description

The Nimra College of Engineering and Technology (NCET) celebrated the National Science Day (NSD) on 28-02-2026. The day focused on a special awareness guest lecture on "Quantum Computing in the Current Era" to foster "Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat (Developed India)".

The event was inaugurated with prayer at 10:30 am and graced by the chief guest Dr.Akbar Khan, Principal and Guest speaker Dr.S.Yusub. The chief guest **Dr. Akbar Khan** addressed the gathering with an inspiring message. He emphasized the crucial role of engineers in shaping the modern world, highlighting how their innovations and problem-solving skills contribute to societal growth and national development. He emphasized that the quantum computing is a revolutionary technology utilizing quantum mechanics-specifically superposition and entanglement-to perform computations far beyond the capabilities of classical computers. It covers the shift from binary bits to qubits, key applications in cryptography and drug discovery, and challenges like noise and error correction

The guest speaker **Dr.S.Yususb** highlighted the life, achievements, and contributions of Sir Dr.C.V.Raman. In his insightful talk, he shed light on the challenges and opportunities awaiting engineers in today's rapidly changing world, urging students to think beyond the confines of textbooks and to apply their knowledge in solving real-world problems. His inspiring words left a lasting impression on the audience.

He highlighted that quantum computing is poised to solve problems intractable for classical systems with significant research directed toward overcoming current hardware limitations, moving beyond Moore's Law. Though major technical, physical, and engineering challenges remain, the rapid advancement in hardware and algorithms suggests a significant impact on future technology

Seminar Overview:

Introduction to Quantum Computing: Unlike classical computers using binary bits (or), quantum computers use quantum bits (qubits). Qubits can exist in multiple states simultaneously, a phenomenon known as superposition, enabling them to process vast amounts of data at once.

Key Principles/ Fundamental Concepts:

Qubits: Unlike bits, quantum bits (qubits) can represent 0, 1, or both simultaneously

Superposition: Qubits exist in a state of 0, 1, or both simultaneously.

Entanglement: Qubits become interconnected, where the state of one instantly influences another, regardless of distance, boosting computing power.

Quantum Interference: Used to manipulate qubit states to cancel incorrect answers and amplify correct ones.

Cryptography: Breaking conventional encryption methods (e.g., RSA).

Optimization: Solving complex, multi-variable problems, such as logistics, which are difficult for classical systems.

Algorithms & Applications

Drug Discovery/Simulation: Modeling molecular structures at an atomic level.

The celebrations concluded on a memorable note, leaving the students inspired and motivated. The event served as a reminder that engineers are the architects of progress, carrying the responsibility of innovation and societal transformation. Finally, the event ended with refreshments by 3:30 pm with a heartfelt vote of thanks to each one in making this event very successfully in a befitting manner.

ACTIVITY PHOTOGRAPHS



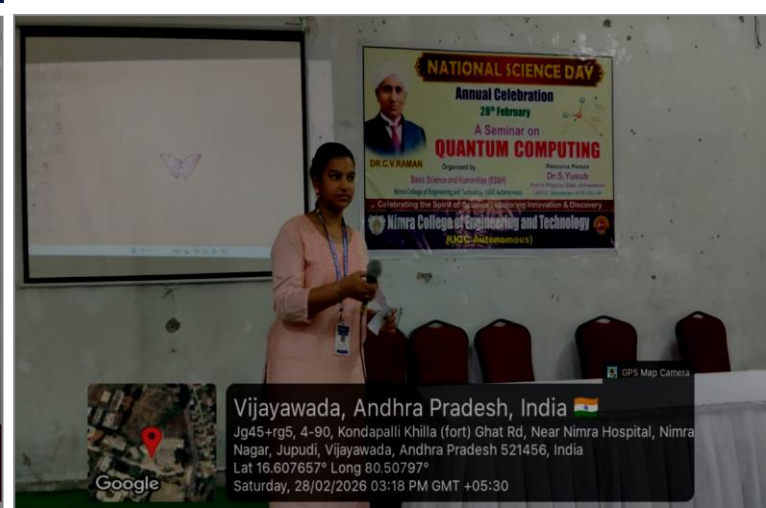
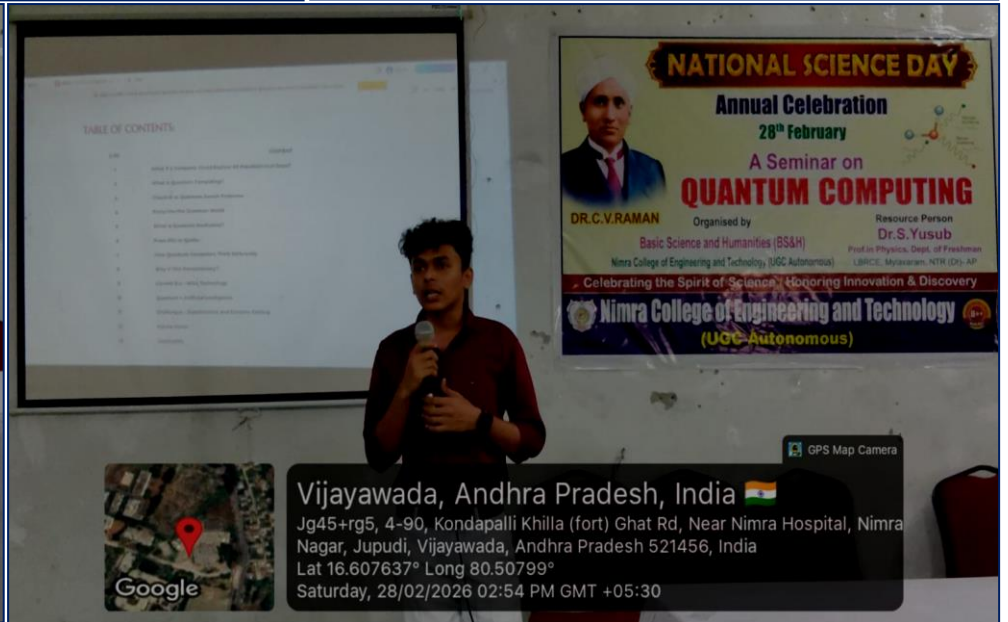
NATIONAL SCIENCE DAY
Annual Celebration
28th February
A Seminar on
QUANTUM COMPUTING

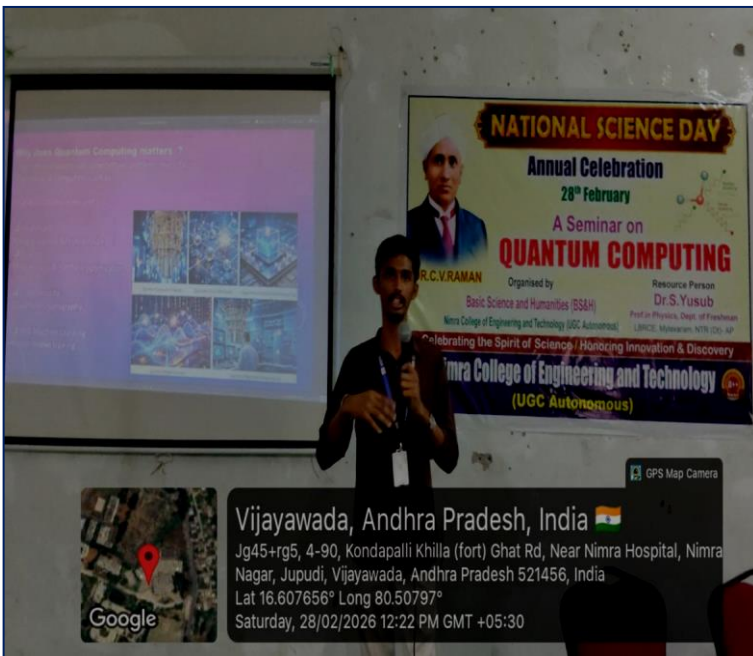
Organised by **DR. C.V. RAMAN** Resource Person **Dr.S.Yusub**
Basic Science and Humanities (BS&H) Prof.in Physics, Dept. of Freshman
Nimra College of Engineering and Technology (UGC Autonomous) LBRCE, Mylavaram, NTR. (Dt)- AP

Celebrating the Spirit of Science / Honoring Innovation & Discovery

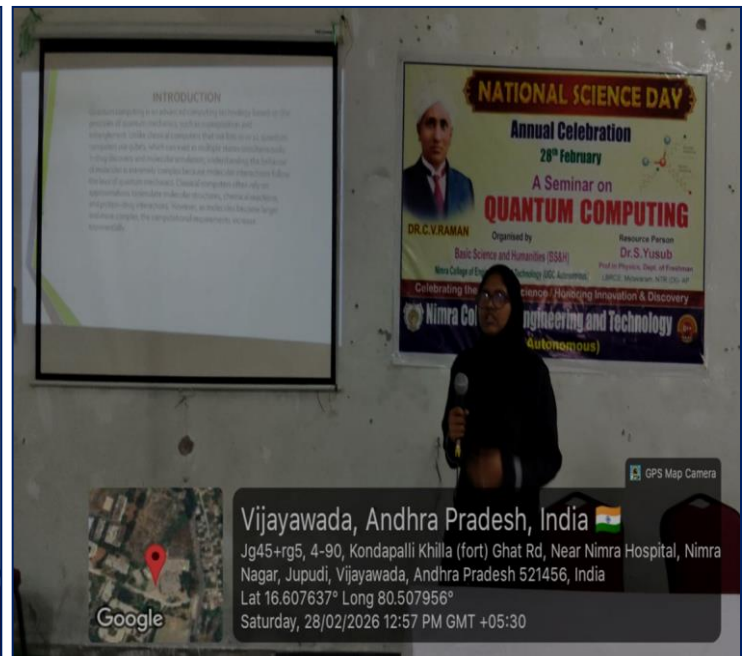
Nimra College of Engineering and Technology (UGC Autonomous)







Vijayawada, Andhra Pradesh, India
 Jg45+rg5, 4-90, Kondapalli Khilla (fort) Ghat Rd, Near Nimra Hospital, Nimra Nagar, Jupudi, Vijayawada, Andhra Pradesh 521456, India
 Lat 16.607656° Long 80.50797°
 Saturday, 28/02/2026 12:22 PM GMT +05:30



Vijayawada, Andhra Pradesh, India
 Jg45+rg5, 4-90, Kondapalli Khilla (fort) Ghat Rd, Near Nimra Hospital, Nimra Nagar, Jupudi, Vijayawada, Andhra Pradesh 521456, India
 Lat 16.607637° Long 80.507956°
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POCO M7 5G | EVENT NSD-2026

28/02/2026

Shareef

IIC COORDINATOR

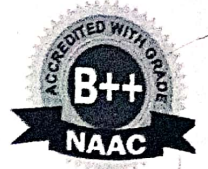
Abdulaziz

Principal
 Nimra College of Engineering & Tech
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 JUPUDI, VIJAYAWADA-521 456

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Ref: NCET (A)-23/NSD/February-2026

Dates: 28-02-2026

National Science Day (NSD)-2026 List of Participants/Attendees

S.N	Name of the Student	Branch	Year	Roll No.	Sign
1.	B. Veda Sree	CSE (AIML)	I st	25231A4205	
2.	P. Satya bhargavi	CSE	2 nd	25231A0507	
3.	Sk. Saruja Arshija	CSE	III rd	23231A0572	
4.	K. Aharani	C.S.E	1 st	25231A0501	
5.	N. V. Divya	C.S.E	2 nd	25231A0503	
6.	V. Spandana	A.I.M.L	2 nd	25231A0201	
7.	Sk. Shabana	C.S.E	2 nd	25231A0519	
8.	P. Damenna	C.S.E	2 nd	25231A0502	
9.	Sk. Afreeen	AIML	I st	25231A4209	
10.	Sk. Salma	AIML	I st	25231A4708	
11.	P. Shamsi Devi	AIML	I st	25231A4703	
12.	P. Shamsi Laxmi	AIML	I st	25231A4707	
13.	G. Hema Naga Sharshikha	CSE	III rd	23231A0522	
14.	M. Sucharitha	CSE	III rd	23231A0580	
15.	Shaili Nasreen	ECE	III rd	24231A0402	
16.	Sk. Ashna Bai	ECE	II nd	25235A0408	
17.	Md. Rehan Khan	ECE	III rd	24231A0403	
18.	M. Vinay	ECE	II nd	25235A0407	
19.	T. Durgadevi	ECE	II nd	25235A0401	
20.	R. Jagadeesh Naidu	ECE	II nd	25235A0404	
21.	V. Sima	ECE	II nd	25235A0403	

SN	Name of the Participant	Year	Branch	Roll No.	Signature
	Abdul. Khadar	3 rd	CSE	23231A0566	Khadar
	K. Julius	3 rd	CSE	23231A0530	Julius
	Abdul. Sabbar	3 rd	CSE	23231A0503	Sabbar
	Rafi. Khan	3 rd	CSE	23231A05012	Rafi
	Pathan. Asmath	3 rd	CSE	23231A0553	P. Asmath
	Md. Waseem	3 rd	CSE	23231A0500	Waseem
	Sk. irfan	3 rd	CSE	23231A05693	Irfan
	Sk. Azzu	3 rd	CSE	23231A0561	Azzu
	B. Pranjith	3 rd	CSE	23231A0501	Pranjith
	G. Raghv	3 rd	CSE	23231A0525	Raghv
	Noor	3 rd	CSE	23231A0560	Noor
	Pren	3 rd	CSE	23231A0582	Pren
	N. Lakshmi Kalu	3 rd	CSE	23231A0509	Lakshmi Kalu
	P. JAGADEESH NAIDU	2 nd	ECE	4235A0404	Jagadeesh
	T. Durga Rao	2 nd	ECE	4235A0401	Durga Rao
	M. Vinay	2 nd	ECE	4235A0407	Vinay
	SK. Sohel	1 st	CSE	25231A0213	Sohel
	SK. Sammer	1 st	CSE	25231A0515	Sammer
	SK. Rashan	1 st	CSE	25231A0212	Rashan
	Md. Shedsully	1 st	CSE	25231A0513	Md. Shedsully
	Shah Mohammed Ali	1 st	CSE	25231A0510	Shah Mohammed Ali
	Haider ali	3 rd	CSE (AIM)	23231A0208	Haider ali
	SK. vanithe	3 rd	CSE	23231A0576	SK. vanithe
	Pathan. Ameen Zhan	3 rd	CSE	23231A0552	Pathan. Ameen Zhan
	SK. Khadar Masthan	3 rd	CSE (AIM)	23231A0222	SK. Khadar Masthan
	Sk. Nagorvalli	1 st	CSE (AIM)	25231A0222	Sk. Nagorvalli
	B. Sowmya	3 rd	CSE	23231A0513	B. Sowmya
	K. Jayanith	3 rd	CSE	23231A0533	K. Jayanith
	Syed. Ameen Ali	3 rd	CSE	24235A0501	Syed. Ameen Ali
	A. Srikanth	3 rd	CSE	23231A0508	A. Srikanth

S.N	Name of the Student	Branch	Year	Roll No.	Sign
1.	K. Charan Sai Kumar	DS	1st	25231A4401	KCS
2.	Syed Yameen Hussain	CSE AIML	1 st	25231A4226	SY
3	MD YOUSUF TAJ	CSE AIML	1st	25231A4214	MD
4	SK Mastam Samud	CSE AIML	1st	25231A4216	SK
5.	SK. Ashraf	CSE	1st	25231A0514	SK
6.	K. Jaya Krishna Chand	CSE	1st	25231A0512	K. Jaya
7.	M. Narasimha	CSE	1st	25231A0517	M. Narasimha
8	M. Kasi	CSE	1st	25231A0506	M. Kasi
9.	Y. Ramu	CSE	1st	25231A0518	Y. Ramu
10	Sri. Mansoor Basha	AIML	1st	25231A4223	Sri. Mansoor
11	N. Senthosh	CSE	1st	25231A0508	N. Senthosh
12.	SK. Irfan	AIML	1 st	25231A4217	SK. Irfan
13.	B. Himasai	CSE	1st	25231A0509	B. Himasai
14.	V. Praeekumar	CSE	1st	25231A0516	V. Praeekumar
15.	S. Prasad	CSE	3rd	23231A0559	S. Prasad
16	T. Sarika	CSE	3rd	23231A0578	T. Sarika
17	M. Sucharita	CSE	3rd	23231A0580	M. Sucharita
18	SK. Shalini	CSE	3rd	23231A0573	SK. Shalini
19	A. Renuka	CSE	3rd	23231A0505	A. Renuka
20	G. Yoga Sri	CSE	3rd	23231A0521	G. Yoga Sri
21	SK. Meharaj	CSE	III rd	23231A0571	SK. Meharaj
22.	SK. Mahibube	CSE	III rd	23231A0568	SK. Mahibube
23	SK. Karishma	CSE	III rd	23231A0565	SK. Karishma

Convener

1. Dr. A. Venkateswara Rao
2. B. Vijaya Kumar B. Vijaya Kumar
3. Mrs. Preeti Jyotsna

H.O.D.
NIMRA COLLEGE OF ENGINEERING & TECH.
IBRAHIMPATNA, JUPUDI, VIJAYAWADA.

Principal

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