



COMPUTER ENGINEERING DEPARTMENT

A. V. PAREKH TECHNICAL INSTITUTE, RAJKOT

Approved by AICTE & Affiliated to Gujarat Technological University
Department Of Technical Education (Government of Gujarat)

Opp. HemuGadhvi Hall, DrYagnik Road, RAJKOT
Ph.: 0281-2480175 Website:www.avpt.cteguj.in Email:avpti-rajkot-dte@gujarat.gov.in



AVPT/COMP/SEMINAR/ 2025/023

January 31, 2025

Circular

A Seminar on '*Revisiting the Core: Advanced Concepts in Computer Number Systems*' is organized on 01/02/2025 in Seminar Hall at 11:15 am by Ms. Shivangi Malli, Lecturer, Computer Engineering Department, AVPTI- Rajkot. Therefore, it is to inform all 2nd semester students of computer engineering department to remain present during the seminar on above mentioned topic.

First year students are instructed to be present without fail for this seminar.

Date and Time: 01/02/2025 at 11:15 am

Venue : Seminar Hall


HOD, Computer engineering Department,
AVPTI, Rajkot

Copy Dispatched :

- 1) For the Computer engineering department office order file.
- 2) To the Computer engineering relevant staff for necessary action
- 4) For the Computer engineering department Notice Board.

--- • ---NBA Accredited Courses --- • ---

- -- Computer Engineering -- • -- Electrical Engineering -- •
- -- Bio-Medical Engineering -- • -- Computer Aided Costume Design & Dress Making -- •





COMPUTER ENGINEERING DEPARTMENT

A. V. PAREKH TECHNICAL INSTITUTE, RAJKOT

Approved by AICTE & Affiliated to Gujarat Technological University

Department Of Technical Education (Government of Gujarat)

Opp. Hemu Gadhvi Hall, Dr Yagnik Road, RAJKOT

Ph.: 0281-2480175 Website: www.avptctegu.in Email: avpt-rajkot-dte@gujarat.gov.in



સર્વાંગીન રાખો

Date: 01-02-2025

EVENT REPORT

DATE & TIME:	01-02-2025 at 11:15am
EVENT TYPE:	Seminar – Curricular Activity
EVENT TITLE:	<i>Revisiting the Core: Advanced Concepts in Computer Number Systems</i>
EVENT VENUE:	Seminar Hall, Computer Engineering Department
EVENT CO-ORDINATOR:	S. B. MALLI (Lecturer CE)

NO. OF PARTICIPANTS :	2 nd Semester 124 Students
-----------------------	---------------------------------------

EVENT OUTCOMES	<ul style="list-style-type: none">Understanding of Advanced Number Systems: Participants would gain an in-depth understanding of number systems beyond the basic binary, decimal, and hexadecimal systems. This may include topics like floating-point representation, octal, and other specialized systems used in computing.Applications of Number Systems in Computing: The session could explore how these number systems are applied in areas like memory addressing, data storage, and digital signal processing, enhancing practical knowledge of their real-world significance.Conversion Techniques: Learners would refine their skills in converting between various number systems (binary, hexadecimal, decimal, etc.) with a focus on more complex or real-world examples.Representation of Real Numbers: Detailed exploration of how computers represent real numbers, covering topics like floating-point arithmetic, mantissa, exponent, and normalization, along with the limitations and implications of this representation in terms of precision and rounding errors.Binary Arithmetic: Delving into the intricacies of binary arithmetic operations (addition, subtraction, multiplication, and division) in the context of digital circuits and algorithm design.Critical Thinking and Conceptualization: Encouraging learners to think critically about how number systems influence both hardware (like processors) and software (such as compilers and interpreters), including an exploration of how these systems have evolved over time.
	In essence, the session would aim to provide participants with a stronger conceptual foundation in advanced number systems, as well as practical skills for applying this knowledge to real-world computing tasks.

EVENT HIGHLIGHTS




SIGNATURE
HEAD OF THE DEPARTMENT

A.V.PAREKH TECHNICAL INSTITUTE-RAJKOT
Computer Engineering Department

Date: 1/1/25

STUDENT ATTENDANCE

Semester: 2nd

Sr. No.	Enrolment No.	Signature
1	246020307224	M.R.V
2	246020307201	Tushar
3	246020307193	Rashid
4	246020307175	AB
5	246020307173	Dharmik R.
6	246020307188	SPB
7	246020307234	J.P. Vaidya
8	246020307183	STJ
9	246020307161	S.
10	246020307087	Abhi.
11	246020307103	K.J.H.
12	246020307101	KKD
13	246020307163	Shivam
14	246020307029	SP.
15	246020307035	Vinit.
16	246020307123	VRM.
17	246020307151	Dixit.
18	246020307131	Amit.
19	246020307048	Dyash
20	246020307061	Say...
21	246020307074	Deekam
22	246020307121	Niraj
23	246020307069	S.K.Gohel
24	246020307050	D.A.B
25	246020307128	Yash.
26	246020307123	h2.
27	246020307092	Praj
28	246020307116	Arogya
29	246020307085	किरण नायंदा
30	246020307038	Chaitanya
	246020307081	Jain
	246020307081	Ran
	246020307037	
	246020307190	@

Sr. No.	Enrolment No.	Signature
31	246020307071	C.D.M.
32	246020307774	SI
33	246020307100	K.
34	246020307090	DP.
35	246020307219	Ram
36	246020307229	Amit
37	246020307171	A.R.R.
38	246020307189	B.B.Surjan
39	246020307214	Jivadha
40	246020307118	P.R.mukund
41	246020307247	S-AP
42	246020307085	SP
43	246020307015	Affers
44	246020307203	Aarys
45	246020307215	Het
46	246020307220	Prithvi
47	246020307197	Jay
48	246020307216	meet...
49	246020307187	BB
50	246020307007	Yash
51	246020307143	Dhoni Pank
52	246020307127	KKM
53	246020307109	JV
54	246020307080	BB
55	246020307215	SSYH
56	246020307206	Dev m.Tank
57	246020307159	Kavishankar
58	246020307043	D.A.N.
59	246020307006	Abhi
60	246020307074	Mohit.
	246020307057	Fauzia
	246020307160	ehintan
	246020307132	aj
	24602030725	SI

61	246020307208	Manisha
62	246020307209	Jyoti
63	246020307207	Sharmila
64	246020307097	Tsharmila
65	246020307082	Krishna
66	246020307726	Bhavna
67	246020307228	Reena
68	246020307169	Leena
69	246020307178	Uttama
70	246020307210	Divya Dhami
71	246020307003	Himika
72	246020307000	Jhansi
73	246020307194	J.D. Shethiya
74	246020307164	Pushti
75	246020307202	Hetal Patel
76	246020307219	Riya
77	246020307138	Sara
78	246020307144	SP
79	246020307141	Abhi
80	246020307089	Mona
81	246020307191	SGH
82	246020307036	Sheetal
83	246020307049	Aditi
84	246020307075	Rutu
85	246020307002	Siddhika
86	246020307211	Jyoti
87	246020307231	Qutub
88	246020307140	Megha
89	246020307134	Divya Dhami
90	246020307122	Priyamshi
91	246020307009	Bhavna
92	246020307062	K
93	246020307068	Krishna
94	246020307034	Khushbu
95	246020307005	Meni
96	246020307106	SWB

97	246020307091	D
98	246020307265	PREKHA
99	246020307218	Neetu
100	246020307172	Bhumi
101	246020307232	Hema
102	246020307058	Pulak
103	246020307072	Jyoti
104	246020307056	Par
105	246020307059	Janayda
106	246020307047	B.
107	246020307052	Jishika
108	246020307205	Shreemad
109	246020307028	Par
110	246020307178	Rathod
111	246020307158	Tanvir
112	246020307166	Jyoti
113	246020307179	Riya
114	246020307203	Shalini
115	246020307230	Par
116	246020307065	Shagariya
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		