



Muffakham Jah College of Engineering and Technology – Institution's Innovation Council



Muffakham Jah College of Engineering & Technology

National Science Day Celebrations-2025

Guest Lecture on

**Material Sensing
Using Raman Spectroscopy**

By Chief Guest

Dr. SRIRAM GOPAL NARAHARISETTY

Department of physics, University of Hyderabad

Organized by

**Department of Basic Sciences & Humanities
MJ CET**



Venue
Seminar Hall, Block-4 ,MJ CET
Date & Timings
28th February, 2025
11:00 am to 12:30 pm

Session Details: 28th Feb, 2025

Title of the session: National Science Day-2025 (Material Sensing Using Raman Spectroscopy)

Date: 28-02-2025

Duration: One day

Activity Category: Celebration

Theme: Science: A Source of Endless Possibilities

Expert/Speaker Details:

Name: Dr. Sriram Gopal Naraharisetty

Designation: Associate Professor

Organization: University of Hyderabad

Brief about Expert/Speaker:

Outcome of the activity:

- ✓ Motivating students towards inculcating a scientific temperament and promoting critical thinking;
- ✓ increased awareness about the importance of science in daily life;
- ✓ a renewed focus on scientific advancements and innovation and
- ✓ a broader understanding of the role science plays in addressing societal challenges.

Key Highlights:

Delivering his keynote lecture, Dr. Sriram Gopal Naraharisetty provided an in-depth exploration of Raman Spectroscopy, its applications, and its role in material sensing. He elaborated on how this technique helps in identifying molecular compositions and structures, making it an invaluable tool in various scientific and industrial fields, including pharmaceuticals, nanotechnology, and forensic science.

The session attracted an enthusiastic audience comprising Deans, Heads of Departments (HoDs), faculty members, and a large number of students. Attendees actively engaged with the speaker, posing insightful questions about the practical implications of Raman Spectroscopy in modern research and technological advancements.

The event successfully fostered a spirit of scientific inquiry, aligning with the objective of National Science Day—to encourage and celebrate scientific achievements and innovation.

The speech focused on:

- ✓ The journey of C.V. Raman towards discovering the phenomenon of the scattering of light, later known as the 'Raman effect';
- ✓ Current research possibility of material sensing using Raman Spectroscopy;
- ✓ Relevance of science in the fundamental understanding of how nanoparticles interact with biological systems at the nanoscale and thus widening the scope of prognosis of diseases and possible drug invention.
- ✓ Prize distribution towards the Quiz and poster-making competitions on themes of Science and Innovations.

Participant details:

Total no. of Student participation:102

Total no. of Staff (Teaching/Non-teaching) participation: 24

Three to four Photographs/Screenshots that show the participation of students and Staffs(Teaching/Non-teaching)

Attendance details

SNO	Name	Semester
1	HAIQUA FALAK	III
2	VAJEEHA SADAF	III
3	RIDA ANWAR	III
4	ISHRATH FARHEEN	III
5	TASHFEEN FATIMA	III
6	RIDA MARIUM	III
7	AAFIA SALEEM	III
7	HAJERA KHANAM	III
8	UMME VARQA	III
9	ZOHA AZMATH	III
10	FOUZIA FATIMA	III
11	SYEDA BUSHRA FATIMA	III
12	MOHAMMED IBRAHIM ALI	III
13	SHAIKH NUMAIR	III
14	MOHAMMED SHOYEAB ALI	III
15	SYED FARDEEN	III
16	SYED ALAMDAAR AGHA	III
17	SYED ANAS	III
18	MOHAMMED ABDUL RAFFAY	III
19	ABDUR RAHMAN	III
20	MOHAMMED RAYYAN UDDIN	III
21	SHAHED KHAN	III
23	ABDUL JUNAID SAMI	III
24	MOHAMMED ANASULLAH SHAREEF	III
25	MOHAMMED MIR MOHI AHMED	III
26	REHAN KHAN	III
27	ISMAIL ALI KHAN	III
28	SYED FAIZAN AHMED	III
29	ABDUL AZIZ KHAN	III
30	MOHAMMED ANAS AHMED	III
31	MOHAMMED AHMED HAJI	III
32	GULAM AHMEED TARIQ	III
33	SYED MUSA MUMAIZ PEER	III
34	MOHAMMED ABDUL KHALIQ IRFAN	III
35	MOHAMMED ABDUL RAFEY GAFFARI	III
36	MOHAMMED NIZAMUDDIN	III
37	SHAIK MOHAMMED ABDUL RAHMAN	III
38	MOHAMMED ISA ANSARI	III
39	MIR HAMID ALI	III
40	MOHAMMED AFROZ ALI	III
41	MOHD TAUHEED ALI	III
42	MOHD FAISAL ALI	III
43	SHAIK THOUKEER	III
44	BILAL MASOOD	III
45	MOHAMMED AFNAAN TASEER'	III

46	MOHAMMED IMRAN	III
47	SYED MUSA MUMAIZ PEER	III
48	MOHAMMED ABDUL KHALIQ IRFAN	III
49	MOHAMMED ABDUL RAFEY GAFFARI	III
50	SYEDAANEEASULTANA	II
51	UMMEHABIBA	II
52	ZOHANAZMEEN	II
53	HUNAINASARFARAZ	II
54	SANIYAFATIMA	II
55	ALVINASAMAR	II
56	SHAIKSANIAZAHUR	II
57	HANIYAFATIMA	II
58	DURAINMAZHAR	II
59	DIYANAATEEFA	II
60	SYED ARHAANUDDIN	II
61	REHANKHAN	II
62	MOHAMMEDALIALAVI	II
63	AAYANSAYED	II
64	MOHAMMEDMUZAMMIL	II
65	MOHAMMEDUZAIR	II
67	SYEDABRAR	II
68	MHAMMEDMUBBASHIRALI	II
69	SYEDABDULRASHID	II
70	MOHAMMEDQASIMALI	II
71	MOHAMMEDMUDASSIR	II
72	MOHAMMEDOMER	II
73	MOHAMMED ABDULLAH QUADRI	II
74	ABDULLAHKHAN	II
75	MOHDSAMEERAHMED	II
76	ABDULRAZZAQ	II
77	SYEDABDULRAHMAN	II
78	SYEDSABOORAHMED QUADRI	II
79	MUJTABAHYDER	II
80	MOHAMMEDHAMADKHAN	II
81	ABDULRAHMANPARVEZ	II
82	MOHAMMEDRIZWANUDDIN	II
83	OZAIRKHAN	II
84	FAIZHASEEBKHAN	II
85	MOHAMMEDARIFSAFWAN	II
86	SYEDOBAIDALI	II
87	MOHAMMEDAMMARUDDIN	II
88	MOHAMMEDJUNAIDKHAN	II
89	SYEDMURTUZA AHMED	II
90	MOHAMMED ANAS HAMMAD SADIQ	II
91	MOHAMMED MUNEEBUDDIN AKIF	II
92	MOHAMMEDABDULHASEEB	II

93	SYEDASHFAQURRAHMAN	II
94	MOHAMMEDREHAANUDDIN	II
95	SHAIK KHALEEL UL REHMAN ROSHAN	II
96	SYEDALIMAHMOODADEEN	II
97	SYEDUSAIDMINHAJ	II
98	MOHAMMEDINAMULHAQ	II
99	MUJTABAUZAIRMOHAMMED	II
100	MOHAMMEDANZARSIDDIQUI	II
101	SYED ZAKI ULLAH HUSSAINI MAKKI	II
102	SYEDANWARULHUDA	II

Teaching Faculty:

SNo	Name	Department
1	Dr. (Mrs.) Gouri R. Patil	Associate Professor, IT
2	Dr. (Mrs.) Sayeda Fouzia Sayeedunnisa	Associate Professor, IT
3	Mrs. Sayyada Hajera Begum	Asst Professor, IT
4	Mr. Mohd. Abdul Rasheed	Asst Professor, IT
5	Dr. (Mrs.) K. Hemalatha	Associate Professor, MED
6	Dr. (Mrs.) G. Sailaja	Associate Professor, MED
7	Ms. N.B.V. Lakshmi Kumari	Professor, Maths
8	Dr. Md. Abdul Rawoof Sayeed	Associate Prof, Maths
9	Mr. M.A. Haleem Rizwan	Asst Prof, Maths
10	Dr. Syed Amanullah Hussaini	Asst Prof, Maths
11	Ms. V. Vimala	Asst Prof, Maths
12	Dr. (Mrs.) K. Usha Prameela	Asst Prof, Maths
13	Dr. Shaik Kareem Ahmmad	Assoc iate Prof, Physics
14	Mr. Syed Ilyas Mohiuddin	Asst Prof, Physics
15	Dr. Md. Raheem Ahmed	Asst Prof, Physics
16	Dr. (Mrs.) Nazima Siddiqui	Asst Prof, Physics
17	Prof. Uma N Dulhare	Professor, CS AI
18	Dr. (Mrs.) V. Shanti	Associate Prof, Chemistry
19	Dr. (Mrs.). Aneesa Firdose	Associate Prof, Chemistry
20	Mrs. Amina Sarwar	Asst Prof, Chemistry
21	Mrs. Syeda Arshiya Banu	Asst Prof, Chemistry
22	Dr. (Mrs.) Gita Swarupa Pamidimalla	Asst Prof,

		Chemistry
23	Dr. MD Asrar Ahmed	Assistant Professor, CSAI
24	Prof. Syed Shabbir Ahmed	Professor, CSED





Prof. MS Rawat,
Principal, MJCET
President, MJCET-IIC