

SCIENCE ACADEMIES' EDUCATION PROGRAMME

JOINT SCIENCE EDUCATION PANEL

SEP/LW/March/2016

06 January 2015

Dr Ramprasad A.T.
Sr. Asst. Professor
Dept. of Engineering Physics
Alva's Inst. of Engineering and Technology
Shobhavana Campus, Mijar 574 225
Moodbidri, DK

Sub: Lecture Workshop on "Nano-Science and Nano-technology" at Alva's Institute of Engineering and Technology (11 - 12 March 2016).

Dear Dr Ramprasad,

This has reference to your letter forwarding a proposal and budget for organizing a two-day Lecture Workshop in your College. The Joint Science Education Panel of the three Academies will be happy to sponsor and support the Lecture Workshop. We note that Professor G.U. Kulkarni (Centre for Nano and Soft Matter Sciences, Bangalore) will be the Workshop Convener and that you will be the Workshop Co-ordinator.

(a) Your budget of Rs1,56,000/-for 125 participants (**inclusive of travel expenses, Boarding and lodging** for Resource Persons) has been approved by the Science Education Panel. As per correct calculation, the amount for travel expenses for outstation resource persons is Rs. 35,000/-.

(b) Please note that only the names of Convener and Coordinator of the Workshop should be included in brochure/invitation etc. **Names of members of the management, organizing committees, patrons etc should be strictly avoided.**

(c) Please ensure that the expenditure on individual items does not exceed the sanctioned budget. If the actual expenditure exceeds the sanctioned budget, the host institution should take care of the difference.

(d) Lecture Workshops are sponsored and supported by the three National Science Academies - IASc, INSA and NASI. The names of INDIAN ACADEMY OF SCIENCES (BANGALORE), INDIAN NATIONAL SCIENCE ACADEMY (NEW DELHI) and THE NATIONAL ACADEMY OF SCIENCES, INDIA (ALLAHABAD) should therefore be mentioned in all publicity material such as programme sheet, invitation cards, etc.

(e) It may be noted that **no formal certificates should be issued to participants**. A letter of attendance signed by Coordinator may be issued to those who need it.

(f) The Workshop should be called Science Academies' Lecture Workshop on



Indian Academy
of Sciences,
Bangalore



Indian National
Science Academy,
New Delhi



The National Academy
of Sciences, India
Allahabad

Indian Academy of Sciences

Sebastian, KL
(Chairman)
Ramraj, R
Samanta, A
Arunan, E
Murthy, MRN
Saidapur, SK
Chattopadhyay,
Dhruvajyoti
Lakshmanan, M
Raghunathan, VA
Dhar, Deepak
Mandal, Nibir
Vinayachandran, PN
Sankaran, P
Rangarajan, G

Indian National Science Academy

Dogra, SK
Muralidhar, K
Gupta, Alok K
Passi, IBS

The National Academy of Sciences, India

Dimri, Vijay Prasad
Gupta, Santosh Kumar
Khurana, Paramjit
Misra, Gadadhar

Contact Address

Mahabaleswara, TD
Coordinator
Refresher Courses &
Lecture Workshops
Indian Academy of
Sciences
P.B. No. 8005
C.V. Raman Avenue
Sadashivanagar P.O.
Bangalore 560 080
India

Telephone:

91-80-2266 1210
91-80-2266 1222

Fax:

91-80-2361 6094

Email:

sep@ias.ac.in

“Nano-Science and Nano-technology”.

(g) You should send us three copies of the printed programme cards once it is printed.

(h) We can advance money by electronic transfer on a specific request from you. We will need the following bank details:

1. Account No;
2. Name of the Account Holder;
3. Name of the Bank;
4. Name of the Branch;
5. IFS code for non-SBI accounts.

(i) The audited expenditure statement/utilization certificate duly signed by competent authority (CA or Financial Controller) to be sent along with the report, once the Course is over. This is required for the Audit compliance.

You can go ahead with organizing the Workshop in consultation with Professor G.U. Kulkarni and keep in touch with us about the progress.

With regards,

Yours sincerely,



T. D. Mahabaleswara
Coordinator (Lecture Workshop/Refresher Course)
Science Education Panel

Day 1 (Friday 11 March, 2016)

08.30 am - 09.10 am: Registration & Break Fast
09.10 am - 09.30 am: Welcome
09.30 am - 10.30 am: Invited Talk 1
10.30 am - 11.00 am: Tea
11.00 am - 12.00 pm: Invited Talk 2
12.00 pm - 01.00 pm: Invited Talk 3
01.00 pm - 02.00 pm: Lunch
02.00 pm - 03.00 pm: Invited Talk 4
03.00 pm - 04.00 pm: Invited Talk 5
04.00 pm - 04.30 pm: Tea
04.30 pm - 05.30 pm: Invited Talk 6

Day 2 (Saturday 12 March, 2016)

09.30 am - 10.30 am: Invited Talk 7
10.30 am - 11.00 am: Tea
11.00 am - 12.00 pm: Invited Talk 8
12.00 pm - 01.00 pm: Invited Talk 9
01.00 pm - 02.00 pm: Lunch
02.00 pm - 03.00 pm: Invited Talk 10
03.00 pm - 03.30 pm: Tea
03.30 pm - 04.30 pm: Discussion/test
04.30 pm - 05.00 pm: Conclusion

Convener:

Prof. G. U. Kulkarni

Director, Centre for Nano and Soft Matter Sciences
P.B.No.1329, Prof. U.R.Rao Road, Jalahalli,
Bengaluru 560 013

Email: guk@cnsmc.res.in

Currently on Lien from:

Chemistry and Physics of Materials Unit
and DST Unit on Nanoscience Associate Faculty
member, ICMS, JNCASR, Bengaluru, 560 064

Coordinator:

Dr. Ramaprasad A T

Sr. Assistant Professor,
Department of Physics, AIET,
Shobhavana Campus, Mijar-574225,

Important dates:

Last date for sending registration form: 02 March, 2016
Notification of selected participant: 05 March, 2016
Date of workshop: 11-12 March, 2016

Registration Details:

Participants are requested to send the filled registration
form to the Coordinator.

Free registration and No Spot registration

Contact persons:

Dr. Ramaprasad A.T : 9449200658; ramaprasadat@gmail.com

Dr. Santhosha Acharya : 9964867815

Mr. Rajesh Kumar : 9448005747

For more details visit: www.aiet.org.in

Science Academies' Lecture Workshop on "Nano-Science and Nano-Technology" March 11-12, 2016



Sponsored
by

Indian Academy of Sciences, Bengaluru
Indian National Science Academy, Delhi
The National Academy of Sciences, Allahabad
Centre for Nano and Soft Matter Sciences, Bengaluru



Organised
by

Department of Engineering Physics,
Alva's Institute of Engineering and Technology,
A Unit of Alva's Education Foundation (R),
Shobhavana Campus, Mijar-574225, Moodbidri,
Mangaluru, Karnataka, India.

Venue: Seminar Hall, MBA Block



About the Foundation

Alva's Education Foundation (AEF) is a premier body founded in 1995, to realize the dream of Dr. M. Mohan Alva, to empowering the youth so as to build a just and equitable society. The Foundation has established 20 educational institutions in the field of general education and professional studies. Over 20,000 students from all over India and abroad give the Alva's Educational Institutions an ambiance that is respectful of diversity and achievement.

About the Institution

Alva's Institute of Engineering and Technology (AIET) is a premier Engineering Institute of AEF, recognized by All India Council for Technical Education (AICTE), New Delhi & affiliated to Visvesvaraya Technological University (VTU), Belgaum, Karnataka. The institution is having impressive infrastructure with state-of-the-art facilities to ensure that students learn in a modern convenience environment that stimulate the thinking and builds confidence to meet the future challenges.

About the Department

The department of engineering physics forms the supporting group to various engineering disciplines. The staff members of the department are committed to innovation in teaching, excellence in basic and applied research, and enhancement of the quality of student's life. The department is fully equipped with state-of-the-art laboratory. The department is recognized with Research Centre by VTU to offer full/part time PhD degree. Further, faculty members are actively involved in execute R & D activity.

About the Workshop

"What I want to talk about is the problem of manipulating and controlling things on a small scale." This sentence was part of the famous talk "There is plenty of room at the bottom" of great Physicist Richard Feynman, gave in 1959. Although, it took several decades to be able to follow the paths he envisioned, we can say that in short time we have gone quite far in bringing his dreams to reality. Materials research has made huge progress in understanding the very small, and in manipulating it to accomplish big things. It is a powerful tool that has enabled new applications that are changing the way we communicate, build energy systems or tackle health problems, in summary, the way we live.

Recently, nano-science and nano-technology is introduced in the University Curriculum of Undergraduate and Graduate Levels. Hence, this two days workshop intended for the benefit of students and teachers at the undergraduate, graduate and research levels. In this workshop basics and recent developments in the field of nano-science and nanotechnology will be discussed, including application aspects. The Workshop is so designed as to have useful relevance to the materials covered in the graduate and under-graduate programmes and also cover some topics at research level.

Topics to be covered in the Workshop

- Basics of Nanoscience
- Quantum confinement effects, quantum devices
- Carbon nanostructures
- Nanostructured materials
- Nanomaterial characterization
- Nano-Lithography and devices
- Computational methods for Nanomaterials
- Nanoscale device modeling
- Organic Nanoelectronics
- Nanostructures for energy generation and storage

List of Speakers

1. **Prof. G. U. Kulkarni,**
Director, CeNS, Bengaluru
2. **Prof. Timothy S. Fisher,**
Univ. Purdue, USA
3. **Prof. M. Eswaramoorthy**
CPMU, JNCASR, Bengaluru
4. **Prof. Govindaraju T**
NCU, JNCASR, Bengaluru
5. **Prof. Praveen C. Ramamurthy,**
Mat.Eng., IISc, Bengaluru
6. **Prof. Manjunatha Pattabhi**
Mat.Sci., Univ. Mangalore, Mangaluru

Statement of expenditure

Lecture Workshop on "Nano-Science and Nano-Technology" dates 11th and 12th March 2016

Total participants approved by IAS: 125 No. actually participated 130 (Students: 89; Teachers: 30; Resource Persons: 07; Supporting Staff: 04)

Sl. No.	Budget head / amount sanctioned (Rs)	Particulars (name of payee/item)	Amount spent
1.	Publicity: Rs 6,000/- Banner, circular, registration forms, programme cards invitation cards, letter of attendance, etc	a. M/s Balmatta institute of printing technology for Invitation printing b. M/s Shubha Xerox center for Poster printing c. M/s Subha Xerox for letter of attendance, feedback form, registration forms, circular etc d. M/s Shubha Xerox Center for Programme cards e. M/s Madhuban colourz for Banner printing f. Moodbidri Press club for workshop Press note release Total	2,600.00 936.00 640.00 800.00 907.00 100.00 5,983.00
2.	Registration & stationery: Rs 10,000/- (Pad, pen, pencil, Photostat copies etc)	a. M/s School Book Company for KIT (File, Pad & Pen) b. M/s Janet Mary Transport for parcel of kit from Mangalore to AIET c. M/s Book House for cover and paper sheets d. M/s Book House for Marker pen Total	7,575.00 90.00 510.00 80.00 8,255.00
3.	Food: Rs 50,000/- Breakfast, lunch, tea/coffee biscuits	a. M/s Jain Caterers for Breakfast, lunch, tea/coffee biscuits b. M/s AIET cafeteria for Mineral water Total	49,600.00 40.00 49,640.00
4.	a. Honorarium for resource persons (at Rs. 2000/- per lecture) b. Honorarium for convener/co-ordinator (Rs 2500/ Rs 2000) c. Honorarium for supporting staff (500 each)	a. Dr. Timothy S Fisher (one lecture) b. Dr. Eswaramurthy (Two lectures) c. Dr. Govindaraju T (Two lectures) d. Dr. Praveen C Ramamurthy (one lecture) e. Dr. U Balchandran (One lecture) f. Dr. Manjunatha Pattabhi (One lecture) a. Dr. G.U. Kulkarni (Convener) b. Dr. Ramaprasad A.T (Co-ordinator) a. Mr. Jayaram Shetty b. Mrs. Amrutha O c. Mrs. Jyothi John d. Mrs. Noorja N Total	2,000.00 4,000.00 4,000.00 2,000.00 2,000.00 2,000.00 2,500.00 2,000.00 500.00 500.00 500.00 500.00 22,500.00

5.	a. Boarding/lodging of resource persons	a. M/s Hotel Pancharatna International for lodging of Dr. G.U. Kulkarni, Dr. Timothy S. Fisher, Dr. Eswarmurthy, Dr. Govindaraju	7,253.00
	b. Local transport	b. M/s Hotel Ballal Tourist for Morning breakfast of Dr. Praveen C Ramamurthy and Dr. U. Balachandran	147.00
		a. Ashrith Travels for local transportation	5,700.00
		b. S.S Multi Services for Mangalore Airport vehicle parking fees	60.00
		c. S.S Multi Services for Mangalore Airport vehicle parking fees	60.00
		Total	13,220.00
6.	Travel expenses for resource persons	a. Dr. G.U. Kulkarni	6,485.00
		b. Dr. Timothy S. Fisher	7,119.00
		c. Dr. Eswarmurthy	6,485.00
		d. Dr. Govindaraju	6,485.00
		e. Dr. Praveen C Ramamurthy	9,755.00
		f. Dr. U Balachandran	600.00
		g. Dr. Manjunatha Pattabhi	600.00
		Total	37,529.00
7.	Miscellaneous Photographs, postage, batteries etc.	a. Suma digital studio & video for Photographs	500.00
		b. King fancy & Plastik center for plastic carry bag and Duracell batteries	120.00
		c. Postage on 25/02/2016	950.00
		d. Postage on 01/03/2016	500.00
		Total	2,070.00
		Total:	1,39,197.00

One lakh Thirty Eight Thousand Nine Hundred Thirty Seven Only

Notes:

- a. Dinner and breakfast charges and also to and fro taxi charges from respective institution to Bengaluru airport for Dr. G.U. Kulkarni, Dr. Timothy S. Fisher, Dr. Eswarmurthy and Dr. Govindaraju is not charged for academics and is covered by CeNS, Bengaluru.
- b. Boarding/lodging charges for Dr. Praveen C Ramamurthy, Dr. Manjunatha Pattabhi and Dr. U. Balachandran is not charged for academics and is covered by Alva's Institute of Engineering and Technology, Moodbidri.



Coordinator



Chartered Accountant

Head of the institution

PRINCIPAL

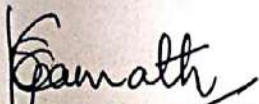
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225.

UTILISATION CERTIFICATE

Certified that Grant-in-aid of Rs. 1,56,000 (Rupees one lakh fifty six thousand only) Sanctioned by the Joint Science Education Panel of the three science Academies', vide their letter No. SEP/LW/March/2016 Dated 06/01/16 and paid Rs. 1, 17,000 (One lakh seventeen thousand only) on date 05/02/16 for first installment towards contribution by the Academy has been fully utilized and there is a balance of Rs -22,197 (Rupees minus twenty two thousand one hundred ninety seven only) of the said grant in respect of the Science Academies' Lecture Workshop on "Nano-Science and Nano-Technology".

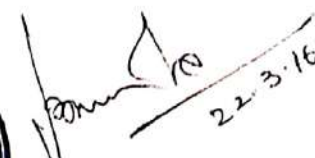

Coordinator





Finance Officer

ALVA'S EDUCATION FOUNDATION (R)
MOODBIDRI - 574 227, D.K.




Accountant

22-3-16


Head of the institution

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Science Academies' Lecture Workshop on "Nano-Science and Nanotechnology"

Department of Physics, Alva's Institute of Engineering and Technology

Mijar-574225, Moodbidri, Mangalore

Brief Report on two days Science Academies' Lecture Workshop on "Nano-Science and Nano-Technology" held on 11-12 March 2016

The department of engineering physics, Alva's Institute of Engineering and Technology organized two day Science academies' lecture workshop on Nano-Science and Nano-Technology on March 11-12, 2016. After the announcement of the workshop, we received total 176 registrations and hence using different criteria participant list was short listed to 125. Finally 130 participants participated which includes 89 students, 30 teachers, 07 resource persons and 04 supporting staff. Participants from 19 various departments or colleges have participated, details are as follows.

Physics, Alva's Institute of Eng & Tech, Moodbidri
PG Physics, Alvas College, Moodbidri
PG Chemistry, Alvas College, Moodbidri
BE, Alva's Institute of Eng & Tech, Moodbidri
Materials Science Department, Mangalore University
Electronics department, Mangalore University
PG Physics, National Institute of Technology, Suratkal
PG Physics, SDM, Ujire
PG Physics, St. Aloysius, Mangalore
PG Chemistry, St. Aloysius, Mangalore
B.Sc, St. Aloysius, Mangalore
Physics, Manipal Institute of Technology, Manipal
Physics, NMAMIT, Nitte
Physics, PA College, Mangalore
Physics, SDIT, KENJAR
Physics, SDMIT, UJIRE
Physics, SJEC, Mangalore
Physics, SIT, Mangalore
Physics, KVG, Sullai

Inaugural Session

The workshop was formally inaugurated by the convener of the workshop, **Prof. Giridhar U Kulkarni**, Director, Center for Nano and soft Matter Sciences, Bengaluru. **Prof. Timothy**

Fisher, Purdue University, USA was the chief guest of the function. **Mr. Vivek Alva**, Trustee, Alva's Education Foundation, Moodbidri presided over the function. **Prof. Peter Fernandez**, Principal, Alva's Institute of Engineering and Technology, Moodbidri was present in the function. **Dr. Santhosha Acharya**, HOD, Department of Physics welcomed the gathering. **Dr. Ramaprasad A. T.**, co-coordinator of the workshop briefed about the lecture workshop and **Mr. Rajesh Kumar P**, Assistant professor, Dept. of Physics proposed vote of thanks.

Lecture sessions

Lecture workshop contained altogether ten invited talks. Including convener of the workshop seven resource persons handled the sessions. **Prof. G.U. Kulkarni**, Director, Centre for Nano and Soft Matter Sciences, Bengaluru had given two talks; one on "Nanoscience & Technology: Concepts and materials" and another on "Nobler than the Noblest: non-FCC Au crystallites". **Prof. Timothy S. Fisher**, School of Mechanical Engineering & Birck Nanotechnology Center, Purdue University, USA, talked on "Thermal and Energy Nano materials for Fast Processes". **Prof. Praveen C Ramamurthy**, Materials Engineering, Indian Institute of Science, Bengaluru discussed about "Organic Nano electronics: issues and challenges". **Prof. M. Eswaramoorthy**, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, handled two sessions and he talked on "Drug delivery through carbon and silica based nanostructures" and another on "Nanoporous materials". **Prof. Govindaraju T**, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, also handled two sessions and he talked on "Template DNA Technology" and another on "Bioinspired Nanoarchitectonics ". **Prof. U. Balachandran**, Argonne Distinguished Fellow; Materials Scientist; Section Leader, Ceramics Section, Energy Systems Division, Argonne National Laboratory, USA, handled a session on "Nano Technology to overcome materials challenges for sustainable energy systems". **Prof. Manjunatha Pattabhi**, Department of Materials Science, Mangalore University, talked on "Antimicrobial Applications of Silver Nanoparticles".

Discussion and Conclusion

A discussion cum feedback giving session was arranged on the second day of the Lecture Workshop. These sessions reflected that the ten lecture sessions were informative as well as interactive. The Resource persons addressed the participants and motivated them to undertake research in the field of Nano-Science and Nano Technology. The formal vote of thanks on behalf of the Department of Physics of Alva's Institute of Engineering and Technology was proposed by coordinator of the workshop Dr. Ramaprasad A.T.

Inaugural Function

March 11, 2016 (Friday)

Time: 9.10am - 9.40 am

9.10 am – 9.12 am : Prayer

Students

9.12 am – 9.15 am : Welcome

Dr. Santhosha Acharya, Head, Department of Engineering Physics

9.15 am – 9.18 am : About the Workshop

Dr. Ramaprasad A.T, Coordinator, Lecture workshop

9.18 am – 9.25 am : Inauguration and Inaugural address

Prof. Giridhar U Kulakarni, (Convener, Lecture workshop), Director,

Center for Nano and soft matter Sciences, Bengaluru

9.25 am – 9.30 am : Chief Guest address

Prof. Timothy Fisher, Purdue University, USA

9.30 am – 9.35 am : Presidential Address

Dr. M Mohan Alva, AEF, Moodbidri

9.35 am – 9.38 am : Vote of Thanks

Mr. Rajesh Kumar, Asst. Prof., Dept. of Eng. Physics

Master of ceremony: Mrs. Amrutha O, Asst, Prof., Dept. of PG Physics, Alva's college



Science Academies' Lecture Workshop on "Nano-Science and Nanotechnology"

Department of Physics, Alva's Institute of Engineering and Technology

Mijar-574225, Moodbidri, Mangalore

Programme Schedule

Date - 11 March 2016

08:30 - 09:10	Registration	
09:10 - 09:40	Welcome	
09:40 - 10:40	Prof. Giridhar U. Kulkarni Director, Centre for Nano and Soft Matter Sciences, Bengaluru	Invited talk 1: Nanoscience & Technology: Concepts and materials
10:40 - 11:00	Tea Break	

Timings	Speaker	Talk Title
<i>Session I</i>		<i>Chair: Dr. Balachandran</i>
11:00 – 12:00	Prof. Timothy S. Fisher School of Mechanical Engineering & Birck Nanotechnology Center Purdue University, USA	Invited talk 2: Thermal and Energy Nano materials for Fast Processes.
12:00 – 13:00	Prof. Praveen C Ramamurthy Materials Engineering, Indian Institute of Science, Bengaluru	Invited talk 3: Organic Nano electronics: issues and challenges
13:00 – 14:00	Lunch	
<i>Session II</i>		<i>Chair: Prof. Manjunatha Pattabhi</i>
14:00 – 15:00	Prof. M. Eswaramoorthy Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Invited talk 4: Drug delivery through carbon and silica based nanostructures
15:00 – 16:00	Prof. Govindaraju T New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Invited talk 5: Template DNA Technology
16:00 - 16:30	<i>Tea Break</i>	
16:30 –17:30	Dr. U. Balachandran Argonne Distinguished Fellow; Materials Scientist; Section Leader, Ceramics Section, Energy Systems Division, Argonne National Laboratory, USA	Invited talk 6: Nano Technology to overcome materials challenges for sustainable energy systems.

Date - 12 March 2016

Timings	Speaker	Talk Title
Session III		<i>Chair: Prof. Timothy S. Fisher</i>
09:30 - 10:30	Prof. G. U. Kulkarni Director, Centre for Nano and Soft Matter Sciences, Bengaluru	Invited talk 7: Nobler than the Noblest: non-FCC Au crystallites
10:30 - 11:00	Tea Break	
11:00 - 12:00	Prof. M. Eswaramoorthy Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Invited talk 8: Nanoporous materials
12:00 - 13:00	Prof. Govindaraju T New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Invited talk 9: Bioinspired Nanoarchitectonics
13:00 - 14:00	Lunch	
Session IV		<i>Chair: Prof. G.U Kulkarni</i>
14:00 - 15:00	Prof. Manjunatha Pattabhi Department of Materials Science, Mangalore University	Invited talk 10: Antimicrobial Applications of Silver Nanoparticles
15:00 - 15:30	Tea Break	
15:30 - 16:30		Discussion/ test
16:30 -17:00	Conclusion	

List of Participants

Student Participants

Sl. No.	NAME	M/F	College	Department	Course
1	Sandhya	Female	Alva's College	PG Physics	MSc
2	Gagan	Male	Alva's College	PG Physics	MSc
3	Nagalatha	Female	Alva's College	PG Physics	MSc
4	Niranjan	Male	Alva's College	PG Physics	MSc
5	Shilpa	Female	Alva's College	PG Physics	MSc
6	Kshama	Female	Alva's College	PG Physics	MSc
7	Niveditha	Female	Alva's College	PG Physics	MSc
8	Shankarnag	Male	Alva's College	PG Physics	MSc
9	Prashanth	Male	Alva's College	PG Physics	MSc
10	Sandesh	Male	Alva's College	PG Physics	MSc
11	Krishnendu	Female	Alva's College	PG Physics	MSc
12	Shanthi	Female	Alva's College	PG Physics	MSc
13	Kavana	Female	Alva's College	PG Physics	MSc
14	Akshatha	Female	Alva's College	PG Physics	MSc
15	Deekshitha	Female	Alva's College	PG Physics	MSc
16	Reshma	Female	Alva's College	PG Physics	MSc
17	Anusha	Female	Alva's College	PG Physics	MSc
18	Shwetha	Female	Alva's College	PG Physics	MSc
19	Manjushree	Female	Alva's College	PG Physics	MSc
20	Vinni	Female	Alva's College	PG Physics	MSc
21	Navya	Female	Alva's College	PG Physics	MSc
22	Praveen	Male	Alva's College	PG Physics	MSc
23	Ramya	Female	Alva's College	PG Physics	MSc
24	AKSHAY BHAT	Male	Alva's College	PG Physics	MSc
25	AMRITHA	Female	Alva's College	PG Physics	MSc
26	APARNA MALLYA M	Female	Alva's College	PG Physics	MSc
27	CHIDANANDA	Male	Alva's College	PG Physics	MSc
28	DEEKSHA PRABHU	Female	Alva's College	PG Physics	MSc
29	GRACIAN RAYAN CORREA	Male	Alva's College	PG Physics	MSc
30	JITHESH J K	Male	Alva's College	PG Physics	MSc
31	KAVYASHREE V	Female	Alva's College	PG Physics	MSc
32	MAITRI RAVINDRA HEGDE	Female	Alva's College	PG Physics	MSc
33	MANGESH BHAT	Male	Alva's College	PG Physics	MSc
34	NAMRATHA JAIN	Female	Alva's College	PG Physics	MSc
35	POOJA	Female	Alva's College	PG Physics	MSc
36	PRETTY MOHAN U	Female	Alva's College	PG Physics	MSc
37	SADHVITHA	Female	Alva's College	PG Physics	MSc
38	SAHANA	Female	Alva's College	PG Physics	MSc

39	SAMANVITHA K V	Female	Alva's College	PG Physics	MSc
40	SHRUTHI	Female	Alva's College	PG Physics	MSc
41	SHWETHA	Female	Alva's College	PG Physics	MSc
42	SOWMYA ACHARY	Female	Alva's College	PG Physics	MSc
43	SOWMYASHREE B	Female	Alva's College	PG Physics	MSc
44	SUNILKUMAR N	Male	Alva's College	PG Physics	MSc
45	SWATHI H	Female	Alva's College	PG Physics	MSc
46	VIJAYASHRI S K	Female	Alva's College	PG Physics	MSc
47	VISHNU PRASAD	Male	Alva's College	PG Physics	MSc
48	ALOK S NATH	Male	Mangalore University	MAT.SCI	Msc
49	CHANDAN E.V	Male	Mangalore University	MAT.SCI	Msc
50	DIVYA B	Female	Mangalore University	MAT.SCI	Msc
51	GOUTAM P	Male	Mangalore University	MAT.SCI	Msc
52	KENNETH LOBO	Male	Mangalore University	MAT.SCI	Msc
53	KIRTHESH KUMAR	Male	Mangalore University	MAT.SCI	Msc
54	MADHURA B	Female	Mangalore University	MAT.SCI	Msc
55	SANATH SHETTY K	Male	Mangalore University	MAT.SCI	Msc
56	SHARATH SHETTY.K	Male	Mangalore University	MAT.SCI	Msc
57	SUPRIYA Y	Female	Mangalore University	MAT.SCI	Msc
58	ANIKA ANDREA	Female	Mangalore University	MAT.SCI	Msc
59	DEEPIKA NAYAK M	Female	Mangalore University	MAT.SCI	Msc
60	KOUSHIK J	Male	Mangalore University	MAT.SCI	Msc
61	MADHURA V	Female	Mangalore University	MAT.SCI	Msc
62	PRATHVI G SHETTY	Female	Mangalore University	MAT.SCI	Msc
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80	Chethana A	Female	ST.ALOYSIUS	Chemistry	M.Sc

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82	Sangeetha M	Female	AIET	CIVIL	BE
83	Rajkumari	Female	AIET	CIVIL	BE
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85	Mr. S S Omprakash	Male	Mangalore University	Electronics	PhD
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87	PRASHANTH K S RAO	Male	SDIT, KENJAR	Physics	PhD
88	Kartik Y R	Male	SDM, Ujire	Physics	M.Sc
89	Sachin S	Male	ST.ALOYSIUS	Physics	M.Sc

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9	Mr. Ragavendra Bairy	Male	ASST.PROFESSOR	NMAMIT, Nitte
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16	Mr. Naveen Kumar	Male	ASST.PROFESSOR	PG Physics, Alva's College
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26	Dr. Chetan Rao	Male	ASST.PROFESSOR	SDM,UJIRE
27	Dr. Suryanarayana	Male	PROFESSOR	SIT, Mangalore
28	Dr. Manujesh B J	Male	ASST.PROFESSOR	KVG, Sullai
29	Mr. Kiran C.H	Male	ASST.PROFESSOR	AIET,MIJAR
30	Prof. Edwin	Male	Professor	AIET, MIJAR



Inauguration by Prof. G.U Kulkarni



Inaugural Address by Convener Prof. G.U Kulkarni



Chief Guest address by Prof. Timothy Fisher



About the lecture workshop by Coordinator Dr. Ramaprasad A.T



Interaction of participant with resource person Prof. G.U Kulkarni



Prof. Timothy S Fisher during his lecture



Prof. Praveen C Ramamurthy interacting with participants



Prof. Govindaraju delivering his lecture



Prof. U. Balchandran during his talk.



Prof. Eswaramoorthy interacting with participants



Group Photo of participants with resource persons