

Aurora's Degree & PG College

(ACCREDITED BY NAAC WITH 'B++' GRADE)

Chikkadpally, Hyderabad 500020



EVENT / ACTIVITY DETAILED REPORT

NAME OF THE EVENT / ACTIVITY	Two-day National FDP program
TYPE OR TITLE OF EVENT / ACTIVITY	FDP on Recent Advances in Material Sciences
FACULTY INCHARGE	Sunanda G Aslam Shareef
DEPARTMENT/CELL/COMMITTEE/CLUB	Physics
DATE	12-08-2021 & 13-08-2021
VENUE	Aurora Degree & PG College
TARGET AUDIENCE	Faculty and Research scholars

1.PROGRAM SCHEDULE

Date	Session	Speaker	Topic
12-08-2021	1	Dr. Sai Santosh Kumar Raavi Associate Professor Ultrafast Photophysics and Photonics laboratory Department of Physics, IIT Hyderabad.	Optics and Spectroscopy of Energy Conversion Materials"
12-08-2021	2	Dr. K. Munirathnam Associate Professor, Department of Physics, School of Applied Sciences REVA University Bangalore	Nano phosphors for Optoelectronic Applications"
13-08-2021	1	Dr G Manoj Kumar Physicist Advanced Center for Research in High	Laser Spectroscopy for the identification of Plastic type: A New

		Energy Materials University of Hyderabad	Paradigm in Waste Management"
13-08-2021	2	Dr. CP Vardhani Associate Professor, Department of Physics, Osmania University, Hyderabad.	Development of photonic devices and components"

2.LIST OF FACULTY COORDINATORS:

1. Name: Sunanda G

Assistant Professor,
Department of Physics

2. Name: Aslam Shareef

Assistant Professor,
Department of Physics

3. LIST OF THE PARTICIPANTS AND THEIR FEEDBACK

Time stamp	Email	Full Name	Designation	Organization	City	Feedback
8/12/2021 14:21:37	shareef.shareefaslam@gmail.com	Aslam Shareef	Assistant Professor	Aurora's Degree and PG College	Hyderabad	Excellent
8/12/2021 14:55:59	saisravan16@gmail.com	R SRAVAN KUMAR	Assoc. Prof	Aurora's Degree and PG College	Hyderabad	Excellent sessions.
8/12/2021 14:57:00	bukkaudaysree@adc.edu.in	B.Udaya sree	Assistant Professor	Aurora's Degree and PG College	Hyderabad	Useful
8/12/2021 14:58:23	archanap@adc.edu.in	Archana P	Sr Asst professor	Aurora degree and Pg college	Hyderabad	No
8/12/2021 14:58:53	govindsunandasagar@gmail.com	govind sunanda	Assistant professor	Aurora Degree College	hyderabad	Good
8/12/2021 15:07:44	prkbpc@gmail.com	Dr. Putta Rajesh Kumar	Professor	Bhaskar Pharmacy College	Hyderabad	very good
8/12/2021 15:13:36	jonnalasu@yahoo.co.in	JONNALA SUBBA REDDY	ASSOCIATE PROFESSOR	LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM	VIJAYAWADA	GOOD
8/12/2021 15:14:00	lakatesh@gmail.com	R. Venkatesh	Assistant Professor	PSNA College of Engineering and	Dindigul	Nice

				Technology, Dindigul		
8/12/2021 15:14:24	ganjisandhya83@gmail.com	Sandhya ganji	Research scholar	Chaitanya deemed to be university	Hanumakonda	Nothing
8/12/2021 15:14:30	sridharbcp@gmail.com	Dr. S. Sridhar	Assistant Professor	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Chennai	Nil
8/12/2021 15:14:33	sakuntalap71@yahoo.com	P. Sakuntala	Asst. Professor	RBVRR Women's College	Hyderabad	no
8/12/2021 15:14:34	shirinvemuri@gmail.com	shireen tagore	asst. professor	rbvrrwc,hyderabad	hyderabad	tu ..please do share the recording
8/12/2021 15:14:59	atturperiyasamy@gmail.com	K.PERIYASAMY	ASSISTANT PROFESSOR	VAIGAI ARTS AND SCIENCE WOMEN'S COLLEGE, MUTHAMPATTY, VALAPPADY, SALEM DISTRICT	SALEM	GOOD ATTEMPT
8/12/2021 15:15:10	nareshkkm@gmail.com	Dr. Naresh Uppara	Assistant professor	BIT Insitute of Technology, Hindupur	Ananthapur	Nice session.
8/12/2021 15:15:17	pandurangaraokankanala@gmail.com	Pandurangarao Kankanala	Assistant Professor	Andhra Loyola Institute of Engineering and Technology	Vijayawada	good
8/12/2021 15:15:58	srilathasridhar28@gmail.com	Srilatha Samala	Faculty	DPS, Nadergul	Hyderabad	Wonderful, the speakers have shared was very advance
8/12/2021 15:16:16	pilli.s.krishnsveni@gmail.com	P.S.KRISHNAVENI.	Assistant Professor.	Kasturba Gandhi Degree and Pg college for women.	Secunderabad.	No
8/12/2021 15:16:44	johnson.life@gmail.com	P JOHNSON BABU	ASSISTANT PROFESSOR	JAGRUTI DEGREE & P.G. COLLEGE	HYDERABAD	Informative
8/12/2021 15:17:34	sastry75@gmail.com	k sitarama sastry	Assistant professor	Loyola academy alwal Telangana	hyderabad	please share materials
8/12/2021 15:17:49	drvjpriyailango@gmail.com	Dr.V.J.Priyadhars hini	Assistant Professor	MAILAM ENGINEERING COLLEGE	Villupuram	Thank you
8/12/2021 15:17:54	cvinoth@veltech.edu.in	Vinoth C	Assistant Professor	Veltech University	Chennai	Overall good sessions, both morning and afternoon. Speaker's explained the things very well.
8/12/2021 15:18:30	subuarchume2001@gmail.com	SUBRAMANIYAN C	Associate professor	V.R.S. College of Engineering and Technology	Villupuram	Nil

8/12/2021 15:18:40	sathishkkc@gmail.com	Mr. K. SATHISHKUMAR	Assistant Professor	Kandaswami Kandar's College, Velur	Namakkal	Very excellent presentation
8/12/2021 15:18:40	rajeshkumarphysics@veltech.edu.in	Dr. U. Rajesh Kumar	Associate professor	Veltech Rangarajan Dr sagunthala R and D institute of science and technology	Avadi	None
8/12/2021 15:18:49	radhikarani79@gmail.com	Dr Radhika Rani	Professor	Aurora Degree and PG college	Hyderabad	Good webinar
8/12/2021 15:19:07	anithaa54@gmail.com	Anitha Bairoju	Asst professor	TKR Engineering college	Hyderabad	Audio problem that it..
8/12/2021 15:21:05	Drvkamalakar@veltech.edu.in	Dr V Kamalakar	Assistant professor	Veltech Rangarajan Dr Sagunthala R&D Institute of Science and technology	Chennai	Good
8/12/2021 15:22:03	drsmaninaidu@veltech.edu.in	Dr. S.Mani Naidu	Professor	VelTech Rangarajan Dr Sagunthala R and D Institute of Science and Technology Avadi Chennai Tamil Nadu	Avadi	No
8/12/2021 15:22:24	ch.nagender@gmail.com	Chilukuri Nagender	Research Scholar	Chaitanya (Deemed to be University)	Warangal	Goid
8/12/2021 15:23:31	drpradeepreddy@veltech.edu.in	Pradeep Reddy Vanga	Assistant Professor	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Chennai	Good Presentation
8/12/2021 15:25:02	prameelap@veltech.edu.in	Prameela Potlakayala	Assistant professor	Vel Tech University	Avadi	Good
8/12/2021 15:26:00	sowjanya@stmaryscollege.in	D.Sowjanya	Faculty	St.Mary's college	Hyderabad	Nil
8/12/2021 15:27:51	vereddigiaruna@gmail.com	Dr.V.Aruna	Associate professor	Bapatla Engineering College	Bapatla	Very useful and informative sessions.
8/12/2021 15:28:16	vijayalakshmi162@gmail.com	Dr.P.Vijaya Lakshmi	Assistant Professor	Gudlavalleru Engineering College	Gudlavalleru	Informative Sessions
8/12/2021 15:28:16	ubaithullabaig@gmail.com	Mr. A. Ubaithulla Baig	Assistant Professor	C. Abdul Hakeem College of Engineering and Technology	Melvisharam	Nil
8/12/2021 15:30:43	sarala.rubi@yahoo.com	C. SARALA RUBI	Assistant Professor	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Chennai	Nil
8/12/2021 15:31:32	sp59@gmail.com	SHYAMAPADA PATRA	Research Scholar	IIT Bhubaneswar	Jatni	The webinar was full of excellent

						knowledge which is very helpful for the research scholars.
8/12/2021 15:34:35	chaitanya.yazali@gmail.com	Chaitanya Yazali	Assistant Professor	Bapatla Engineering College	Bapatla	Nothing
8/12/2021 15:36:31	kalaiphy03@gmail.com	Kalaiyarsan K	PGT	Sri vds Jain hr sec school	Tiruvannamalai	Nil
8/12/2021 15:39:45	himanshigupta89@gmail.com	Himanshi -	Research Scholar	Sushant University	Gurugram	Informative sessions
8/12/2021 15:50:45	suresh.domala@gmail.com	Dr.D.Suresh	. Professor	Chaitanya deemed to be university	Warangal	No
8/12/2021 15:56:06	ppc.msc@gmail.com	P POORNACHANDER	Assistant professor	Aurora's Degree and PG College	Hyderabad	No
8/12/2021 16:02:38	mahi.arsh@gmail.com	A MAHENDER RAO	Assistant professor	Kamala institute of technology and science	Huzurabad	No
8/12/2021 16:04:42	Jsumathi@tkrcet.com	J SUMATHI	Asistant Professor	TKRCET	Hyderabad	Informative
8/12/2021 16:05:32	a.j.desiya@gmail.com	S.ASOKAN	Assistant Professor	Manakula Vinayagar Institute of Technology - Puducherry	Puducherry	Nil
8/12/2021 16:14:57	sradhika12974@gmail.com	S.RADHIKA	Associate Professor	BJR Government Degree College, Narayanaguda	Hyderabad	Informative session
8/12/2021 16:33:02	bsraon@gmail.com	Srinivasa Rap Bommaraju	Professor	Sri sivani college of Engineering Srikakulam	Srikakulam	No Comments
8/12/2021 16:43:50	cgpartha@gmail.com	PARTHASARADHI REDDY C	Assistant Professor	Vel Tech Deemed to be University	CHENNAI	Presentation is informative
8/12/2021 21:46:55	akshayskmr1993@gmail.com	Akshay S	Assistant Professor	Maharani Lakshmi Ammanni College for Women Autonomous	Bangalore	Very useful and informative session
8/12/2021 22:08:36	nagaveni.sangiseti@gmail.com	DR. NAGAVENI SANGISETTI	Associate Professor	Malla Reddy Institute of Technology & Science	Hyderabad	Satisfied
8/12/2021 22:51:22	grandhe.radhika@gmail.com	GRANDHE.RADHIKA	Assistant Professor	MALLA REDDY COLLEGE OF ENGINEERING	Hyderabad	No
8/13/2021 10:21:06	sharonpriyankaa@adc.edu.in	A. Sharon Priyanka	Assistant Professor	Aurora's Degree and PG College	Hyderabad	It was a good and informative session.
8/13/2021 10:21:20	vineethap@adc.edu.in	P. VINEETHA	ASSISTANT	AURORA'S DEGREE AND PG COLLEGE	HYDERABAD	THANK YOU FOR THE INFORMATI

			PROFESSOR			VE SESSION
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BRIEF ABOUT THE EVENT:

Department of Physics organized a Two-Day Faculty Development Program.

The highlights of the event:

Day 1:

Session 1:

Dr. Sai Santosh Kumar Raavi was the speaker, his lecture started with introduction to Material Science and its Advances. He explained about Optics and spectroscopy of energy conservation materials like Organic photovoltaic, Exitonic solar cell and Polymer cells. The lecture was concluded by giving scope for research in the field of Optics and Material Science.

Session 2:

The speaker Dr. Muni Ratnam in session II explained about various concepts related to "Nano phosphors for Optoelectronic Applications". Like types of luminescence its design and applications. The lecture was concluded by explaining Down conversion and up conversion techniques.

Day 2:

Session 1:

Dr. G. Manoj Kumar in session 1 started with very basic concepts of light, spectrum and explained Laser spectroscopy for identification in plastic types Which are hazardous to world. He concluded his lecture by giving new paradigm in waste management

Session 2:


Speaker Dr. C P Vardhani in session 2 The lecture started with explanation of photonics its properties and applications then she explained the design and development of photonic integrated devices. She concluded her lecture by explaining the challenges faced in the various phases of its development process.

There were 54 participants, faculty from various streams and research scholars participated in the FDP on Recent Advances in Material Science. The feedback from the participants was highly positive. Most of the participants expressed that the program was very beneficial for their research work.

PHOTOGRAPHS:

National Level Faculty development Program
 Aurora's Degree & PG College, Chikkadapally, Hyderabad

NANOPHOSPHORS FOR OPTOELECTRONIC APPLICATIONS

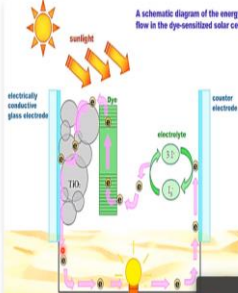


Dr.K Murirathnam M.Sc.,B.Ed, M.Phil,Ph.D
 Associate Professor
 Department of Physics
 School of applied sciences
 REVA University, Bangalore

Date:12/08/21, Time: 2 to 3 PM

Microsoft Teams

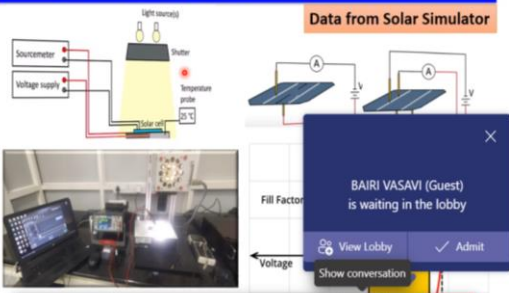
Dye-Sensitized Solar Cells



Sai Santosh Kumar Raavi
 Raavi Lab, Department of Physics, IIT Hyderabad

Fundamental Electrical Characterization

Data from Solar Simulator



BAIRI VASAVI (Guest) is waiting in the lobby

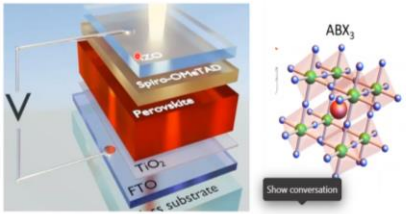
Aslam Shareef
 Sai Santosh Kumar Raavi
 SANVA G (Guest)

PLANT GROWTH LEDS



Ming & Ben

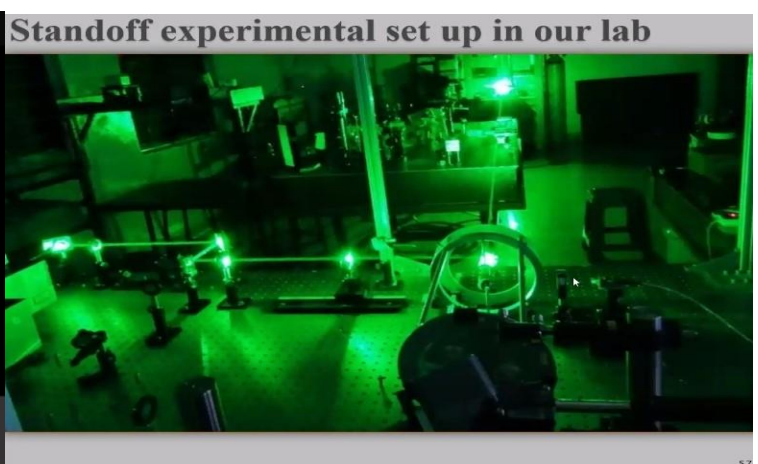
Perovskite Solar Cells



<https://phys.org/news/2018-04-perovskite-solar-cells-efficient.html>

Raavi Lab, Department of Physics, IIT Hyderabad

SK RR AP SP SG



Poster:

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Internal Quality Assurance Cell (IQAC)

**National Level
FACULTY DEVELOPMENT PROGRAMME
on
"RECENT ADVANCES IN MATERIAL SCIENCES"**

On 12th & 13th August 2021
Organized by Department of Physics
Target Audience
Faculty from Sciences Stream & Research Scholars

Day - 1: 12-08-2021
Session - I : 11:00 am to 12:00 Noon

Resource Person:
Dr. Sai Santosh Kumar Raavi
Associate Professor,
Ultrafast Photophysics and
Photonics Laboratory,
Department of Physics, IIT Hyderabad

Topic: "Optics & Spectroscopy of Energy Conversion Materials"

Session - II : 02:00 pm to 03:00 pm

Resource Person:
Dr. K. Munirathnam
Associate Professor,
School of Applied Sciences (Physics)
REVA University

Topic: "Nanophosphors for Optoelectronics Applications"

Day - 2: 13-08-2021
Session - I : 11:00 am to 12:00 Noon

Resource Person:
Dr. G. Manoj Kumar
Physicist,
Advanced Center for Research in
High Energy Materials,
University of Hyderabad

Topic: "Laser Spectroscopy for the Identification of Plastic Type: A New Paradigm in Waste Management"

Session - II : 02:00 pm to 03:00 pm

Resource Person:
Dr. C. P. Vardhani
Associate Professor,
Department of Physics,
University College of Science,
Osmania University, Hyderabad

Topic: "Development of Photonic Devices and Components"

Registration Link
<https://forms.gle/GuVwUFVC31CZAbUy7>

Convenor
Aruna C
Associate Professor & Head,
Department of Physics,
Cell: 9100000514

Coordinators:
Sunanda G
Assistant Professor,
Department of Physics
Cell: 9100000512
Aslam Shareef
Assistant Professor,
Department of Physics
Cell: 9100000511

Online Platform: Microsoft Teams
NO Registration Fee
E-Certificates will be provided

Aurora's Degree & PG College,
Chikadobally, Hyderabad - 500 020, Tel: 040 2766 2668, URL: www.adc.edu.in

Guest Profile:

1. Dr. Sai Santosh Kumar Raavi

Associate Professor

Ultrafast Photophysics

and Photonics laboratory

Department of Physics,

IIT Hyderabad.

2. Dr. K. Munirathnam

Associate Professor,
Department of Physics,
School of Applied Sciences
REVA University Bangalore

3. Dr G Manoj Kumar

Physicist
Advanced Center for Research in High Energy Materials
University of Hyderabad

4. Dr. Vardhani

Associate Professor,
Department of Physics,
Osmania University,
Hyderabad.



Aurora's Degree and PG College

(ACCREDITED BY NAAC WITH 'B++' GRADE)

Chikkadpally, Hyderabad 500020

Department Of Physics

EVENT PROPOSAL

for

Two Day Faculty Development Program

Event Name: TWO DAY Faculty Development Program

Event Title: FDP On "Recent Advances in Material Science "

Department: Department of Physics

Faculty coordinators: Sunanda G, Aslam Shareef

Date& Venue: 12-08-2021 &13-08-2021 Aurora's Degree and PG College

Target audience: Faculty from Sciences stream & Research Scholars

Platform: Online-MS teams

Level: National

Registration Fee: No registration Fee

Objective: 1. To Focus on research and development and Technological advancements in the field of Material Sciences.

2. To Provide in-depth knowledge of advanced materials, their fundamental characteristics, synthesis, characterization and applications in the advancement of science and technology in different domains.

Session 1:

Time: 11.00am to 12.00pm

Topic: "Optics and Spectroscopy of energy conversion Materials"

Speaker: Dr. Sai Santosh Kumar Raavi

Associate Professor

Ultrafast Photo physics
and Photonics laboratory

Department of Physics,
IIT Hyderabad.

Session 2:

Time: 2:00pm to 3:00pm

Topic: "Nano phosphors for Optoelectronic Applications"

Speaker: Dr. K. Munirathnam

Associate Professor,

Department of Physics

School of Applied Sciences

REVA University Bangalore

Day 2:

Session 1:

Time: 11.00am to 12.00pm

Topic: "Laser Spectroscopy for the identification of Plastic type: A New Paradigm in Waste Management"

Speaker: Dr G Manoj Kumar

Physicist

Advanced Center for Research in High Energy Materials

University of Hyderabad

Session 2:

Time: 2:00pm to 3:00pm

Topic: "Development of photonic devices and components"

Speaker: Dr. Vardhani

Associate Professor,

Department of Physics,

Osmania University,

Hyderabad.

Event/Activity Notice



aims at developing character and moulding personality

Contribute your rendering of the National Anthem of India at: <https://rashtragaan.in>

FDP Program on "**Recent Advances in Material**



A

urora's Degree College has carved a niche for itself over a period of two decades. Our relentless effort in imparting quality education through participatory teaching methodologies and pedagogical tools helped in chiseling personality of students.

Aurora is not just an educational institution, it is a commitment, a commitment towards building a new generation of smart and capable individuals ? the custodians of the future.

One among the top fifty colleges in our country, Aurora's Degree College has wide reputation for its quality of

Aurora's Degree & PG College
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**National Level Faculty Development Programme
on "Recent Advances in Material Sciences"**

Certificate of Appreciation

This is to certify that

Dr. K Munirathnam

**Associate Professor,
School of Applied Sciences (Physics),
REVA University, Bangalore**

has been a **Speaker** and delivered a talk entitled
"Nanophosphors for Optoelectronics Applications" in the
**National Level Faculty Development Programme on
"Recent Advances in Material Science"**

organized by Aurora's Degree & PG College, Hyderabad
on 12th & 13th August 2021.


Aslam Shareef
Convener


Sunanda G
Coordinator


Dr. Viswanadham Bulusu
Patron

Aurora's Degree & PG College
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**National Level Faculty Development Programme
on "Recent Advances in Material Sciences"**

Certificate of Appreciation

This is to certify that

Dr G Manoj Kumar

**Physicist, Advanced Center for Research in High Energy Materials,
University of Hyderabad, Hyderabad**

has been a **Speaker** and delivered a talk entitled

**"Laser Spectroscopy for the Identification of Plastic Type: A New
Paradigm in Waste Management"** in the

**National Level Faculty Development Programme on
"Recent Advances in Material Science"**

organized by Aurora's Degree & PG College, Hyderabad
on 12th & 13th August 2021.


Aslam Shareef
Convener


Sunanda G
Coordinator


Dr. Viswanadham Bulusu
Patron

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**National Level Faculty Development Programme
on "Recent Advances in Material Sciences"**

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Dr. C. P. Vardhani

**Associate Professor,
Department of Physics, University College of Science,
Osmania University, Hyderabad**

has been a **Speaker** and delivered a talk entitled
"Development of Photonic Devices and Components" in the
**National Level Faculty Development Programme on
"Recent Advances in Material Science"**

organized by Aurora's Degree & PG College, Hyderabad
on 12th & 13th August 2021.


Aslam Shareef
Convener


Sunanda G
Coordinator


Dr. Viswanadham Bulusu
Patron

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**National Level Faculty Development Programme
on "Recent Advances in Material Sciences"**

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This is to certify that

Dr. Sai Santosh Kumar Raavi

Associate Professor,

**Ultrafast Photophysics and Photonics Laboratory,
Department of Physics, IIT, Hyderabad**

has been a **Speaker** and delivered a talk entitled
"Optics & Spectroscopy of Energy Conversion Materials" in the
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on 12th & 13th August 2021.


Aslam Shareef
Convener


Sunanda G
Coordinator


Dr. Viswanadham Bulusu
Patron