



S20

Report

Academic Year 2016-2017

Name of the Event: National Seminar on Recent Advancements in Photonics- NSAP 2017

Dates: 14-15 February 2017

Time: 9- 4.00 PM

Venue: Lisieux Hall, Vimala College

Organized by: Department of Physics, Vimala College (Autonomous) Thrissur

Collaboration (if any): KSCSTE co-sponsored National Seminar

No. of participants: 108

The Post-Graduate & Research Department of Physics organized a two-day KSCSTE co-sponsored National Seminar on 'Recent Advancements in Photonics' on 14-15 February 2017. The invited talks of the seminar were organized on topics related to Photonics. The dignitaries who gave invited lectures at NSAP 2017 include:

1. Dr. Santhosh Kumar M C, NIT Trichy- 'Growth of Metal Oxide Nano Structures and Fabrication of high speed ultra violet photodiodes
2. Dr. Jijo P Ulahannan, Government College, Kasargod- 'Breakthrough Technologies for the Future with Optics and Photonics'
3. Dr. Gishamol Mathew, Maharajas' College, Ernakulam – 'Nano Plasmonics, The emerging new chip- scale technology'
4. Dr. Manu Punnen John, Union Christian College, Aluva - 'Chaos in Lasers'
5. Prof. P Radakrishnan, Emeritus Professor, International School of Photonics, Cochin University of Science and Technology - 'Fiber Optic Sensors'

There were also Oral and Poster Research Paper presentation sessions on the relevant topics in the seminar



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Photos



Inauguration of NSAP 2017 by Dr. V Kumar, Scientist F, C-MET, Thrissur



Dr. SanthoshKumar & Dr. Jijo P Ulahannan at NSAP-2017

Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR



Oral and Poster Paper Presentations at NSAP-2017



Dr. Gishamol Mathew, Dr. Manu Punnen and Dr. Radhakrishnan at NSAP-2017

Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR



Dr. Litty Irimpan announcing the results of the paper presentations at NSAP 2017

Brochure

PROGRAMME SCHEDULE	
14 th February 2017, Tuesday	
9.00-9.30 am	Registration
9.30-10.30 am	Inaugural session: Inauguration and Inaugural Address Dr. V Kumar Scientist E, C-MET, Thiruvananthapuram
10.30-11.00 am	Tea break
11.00-12.00 pm	Invited Talk I Dr. Santhosh Kumar M C National Institute of Technology, Tiruv. Tirupathi. "Growth of metal oxide nanostructures and fabrication of high speed ultraviolet photodiodes"
12.00 - 1.00 pm	Oral Paper Presentations
1.00 - 2.00 pm	Lunch
2.00 - 3.00 pm	Invited Talk II Dr. Jijo P Uthayakumar Government College Kasargod "Breakthrough Technologies for the Future with Optics and Photonics"
3.00 - 4.00 pm	Poster Paper Presentation
15 th February 2017, Wednesday	
9.30-10.30 am	Invited Talk III Prof. V P N Nampoori Emeritus Professor, International School of Photonics, CSAT "Photonics to study the nature of TIME"
10.30-11.00 am	Tea break
11.00-12.00 pm	Invited Talk IV Dr. Gishanul Mathew Maharaja's College, Ernakulam "Nanophotonics : the emerging new chip scale technology"
12.00-1.00 pm	Invited Talk V Dr. Mann Punnem John Union Christian College, Aluva "Chaos in Lasers"
1.00 pm-2.00 pm	Lunch
2.00 pm-3.00 pm	Invited Talk VI Prof. P Radhakrishnan International School of Photonics, CSAT "Fiber-Optic Sensors"
3.00 pm-4.00 pm	Voluntary function

VIMALA COLLEGE
Vimala College Thrissur, is a first grade autonomous women's College under the CMC Management, affiliated to the University of Calicut. Ever since its inception in 1967, the College has been in the forefront of higher education in the State. In 2001, the College was NAAC accredited with Five Star and in 2008, it got re-accredited with the highest grade of A with a CGPA of 3.3. The College was recently re-accredited with a CGPA of 4.5 in 2014 and received CPE status in 2016. The College offers 14 Undergraduate and 10 Postgraduate courses, and is a Centre for Research in English, Commerce and Physics. The College has succeeded in coping with the changes and creating an ambience that fosters quality culture.
The Department of Physics became a research centre under the Calicut University in 2013. VPRC-Vimala Physics Research Centre is equipped with a DST sponsored FIST lab. The faculty members are actively involved in research in frontier areas of material science, photonics and theoretical physics.

NATIONAL SEMINAR
on
**Recent Advancements
in Photonics**
14 - 15 February 2017
NSAP 2017
Co-sponsored by

Kerala State Council for Science,
Technology and Environment (KSCSTE)

Organized by
Post graduate & Research Department of
Physics, Vimala college (Autonomous),
Thrissur-9, Kerala



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

<p>INVITATION</p> <p>The Post Graduate & Research Department of Physics, Vimala College Thrissur cordially invites you to attend and participate in the National Seminar on Recent Advancements in Photonics NSAP 2017 on 14th and 15th of February 2017. This two-day event will include invited lectures and paper presentations. The seminar will provide an excellent opportunity for both formal presentations and informal discussions on research advancements in recent photonic technologies to the participants.</p> <p>Dr. Sr. Marias V.L. Principal</p> <p>Dr. Mini Krishna K. Co-ordinator</p> <p>Dr. Malini K.A. Convenor & Head, Dept. of Physics</p>	<p>Topics of Interest</p> <ul style="list-style-type: none"> • Photonic materials • Nanomaterials • Photovoltaic materials • Nanoelectronics • Bio-nanomaterials • Composite materials • Photopolymers • Multi-functional materials • Thin Film optics • Magnetic materials • Integrated devices 	<p>ADVISORY COMMITTEE</p> <p>Prof. P.Radhakrishnan Emeritus Professor, IIT, CUSAT</p> <p>Prof. M.K. Jayaraj Professor of Physics, CURAT</p> <p>Dr. Sr. Ritty J Nodumpara Associate Professor of Physics Vimala College, Thrissur</p> <p>Dr. Malini K.A. Assistant Professor & Head Department of Physics Vimala College, Thrissur</p>
<p>ABOUT NSAP 2017</p> <p>NSAP 2017 is aimed at bringing together students and scientists on a single platform and to unfold before them the latest advances in photonic materials, technologies and their applications. The two-day national event is expected to disseminate knowledge catering to novel materials with specific and many-faceted applications in photonics and the recent trends in the processing, characterization and applications of these advanced materials. The scientific deliberations and industrial interactions also expect to incubate scientific culture and thinking among the research and student community. It may help to promote them more into research by identifying the significance and requirements of the society.</p> <p>Call for papers</p> <p>Original research papers are invited for oral/poster presentation. Interested participants can send a one-page abstract to vrcvimala@gmail.com or physics@vimalacollege.edu.in on or before 31st January 2017.</p>	<p>Registration</p> <p>Kindly download the registration form from college website and submit the filled up form through email to spreemol@gmail.com or physics@vimalacollege.edu.in</p> <p>Students: Rs. 75; Research scholars: Rs. 100; Faculty: Rs. 200.</p> <p>Abstract Deadlines</p> <p>Submission of Abstracts: 31st January 2017 Intimation of acceptance: 6th February 2017</p> <p>CORRESPONDENCE</p> <p>All correspondence should be addressed to: Dr. Mini Krishna K. Co-ordinator, NSAP 2017 Post Graduate & Research Department of Physics Vimala College, Thrissur 688 009 Ph: 9495381789 email: minikrishna@gmail.com</p>	<p>ORGANISING COMMITTEE</p> <p>Patrons: Dr. Sr. Marias V.L. (Principal) Dr. Sr. Ritty J Nodumpara (Vice Principal)</p> <p>Convenor: Dr. Malini K.A. (Asst. Prof., Dept. of Physics)</p> <p>Co-ordinator: Dr. Mini Krishna K. (Asst. Prof., Dept. of Physics)</p> <p>Members: Dr. Venu Gopalan E. Ms. Dhanya Johnan Ms. Anjali Jose Ms. Jyoti Jose Ms. Lateen Varghese Mr. Santhosh P. Jose Ms. Nair Malini Govindakutty</p>

Certificate





VIMALA COLLEGE (AUTONOMOUS), THRISSUR



Kerala State Council for Science, Technology and Environment

Binuja Thomas M. Tech
Senior Scientist

No. SSW/310/2016/KSCSTE

21.12.2016

Madam,

Sub:- KSCSTE – Scheme for promoting S&T Seminar/ Symposia/ Workshop – reg.

Ref: - i) Your proposal entitled 'National Seminar on Recent Advancements in Photonics', dt: 02.12.2016
ii) Minutes of the meeting of SSW Committee, held on 14.12.2016

This is to invite your attention to the reference cited above and inform that KSCSTE is pleased to co-sponsor the two day National Seminar by extending financial assistance of **Rs. 30,000/-** subject to fulfilling the norms of National Seminar.

1. Programme Brochure/ Invitation should be sent to KSCSTE well in advance.
2. The organizers should ensure that the conditions stipulated as per the KSCSTE guidelines are fulfilled.
3. As per the guidelines, at least 10% of the delegates and Resource persons shall be from outside the State in the case of National Programme. If this condition is not satisfied, the Programme will be treated as appropriately and the co-sponsorship amount shall be as per rules.
4. The financial assistance may be utilized exclusively to cover the expenditure on Course materials, Publication of proceedings, Honoraria and TA for Resource Persons. TA shall not exceed 25% of co-sponsorship from KSCSTE. Utilization of the grant for any other purpose other than the approved heads shall not be entertained.
5. The financial assistance from the Council shall be in the nature of co-sponsorship, and hence KSCSTE should be properly acknowledged as either 'jointly organized by KSCSTE' or 'Co-sponsored by KSCSTE' in all the brochures, banners, proceedings, etc. brought out in connection with the Seminar.
6. The Souvenirs/ Proceedings brought out in connection with the National Seminar should essentially include one page advertisement about KSCSTE and the matter for advertisement shall be made available on request.
7. Change of venue or dates of the programme, if any, shall be reported to the undersigned promptly.
8. This offer letter is valid for 6 months from this date. In case it fails to organize the programme within the stipulated time frame (within 6 months) this offer will be invalid and will automatically stands canceled.
9. The approved amount will be released on the submission of the following documents after the event.
 - a) Total income and Expenditure Statement of the programme.
 - b) Audited Utilization Certificate (UC) and Statement of Expenditure (SE) in the format enclosed herewith. In the case of affiliated Colleges and NGOs, the audited SE & UC signed by a registered Chartered Accountant, countersigned by the Head of the institution only will be accepted.
 - c) List of participants – details of both delegates and resource persons- duly certified by the Organizing Secretary/ Head of the Institution.
 - d) Brief report including photographs, press clippings etc. along with a note on specific recommendations of the programme and also the schedule of each session.
 - e) Souvenirs/Proceedings (including one page advertisement about KSCSTE) brought out in connection with the programme.
 - f) Programme Brochure/ Notice and related publicity materials with due acknowledgment to KSCSTE.
10. The above documents may be submitted **within two months** after the conduct of the Programme. Please quote the above File No. in all your subsequent correspondences in this regard.

Thanking you,

Yours sincerely,

Binuja Thomas

Dr. Malini K. A.
Assistant Professor,
Department of Physics, Vimala College, Thrissur

Sustha Bhavan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India
Tel : 0471 - 2548200-09, FVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248
Fax : 0471 - 2540085, 2534605 e-mail : kscste@gmail.com, www.kscste.kerala.gov.in

List of Participants

CONFIRMED PARTICIPANTS (Left Column)						
Sl. No.	Name & Designation	Official Address	Whether present or not	Phone Number & E-Mail Address	Other contacts	Signature
1	Dr. Ananthakrishnan, Jadhava, Institute of Technology, Kozhikode	Dept. of Physics, MIT, Thiruvananthapuram		9447000000	ananthakrishnan@mit.ac.in	[Signature]
2	Dr. Sijo P. Vithana	Government College, Kozhikode				[Signature]
3	Dr. Goharish, Puthur	Maharaja's College, Ennadu				[Signature]
4	Dr. Manu Thomas, John	Union Christian College, Aluva				[Signature]
5	Dr. A. Radhakrishnan	Research Prof., IIS, CUSAT				[Signature]
CONFIRMED PARTICIPANTS (Right Column)						
Sl. No.	Name & Designation	Official Address	Whether present or not	Phone Number & E-Mail Address	Other contacts	Signature
6	Dr. Jose Paul P.	Dept. of Physics, St. John's College, Kozhikode				[Signature]
7	Dr. James Mary John	Dept. of Physics, Government College, Kozhikode				[Signature]
8	Dr. Mathew P. P.	Dept. of Physics, Vimala College, Thrissur				[Signature]
9	Pharaph, John	Dept. of Physics, Vimala College, Thrissur				[Signature]
10	John Jose	Dept. of Physics, Vimala College, Thrissur				[Signature]

Assessment Period (2016 – 2021)



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

Sr. No.	Name & Designation	Official Address	Whether present or paper	Phone Number & E-Mail Address	Date	Signature
1	Dr. Arjun Mathan, Asst. Professor	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
2	Dr. Arun K. K., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
3	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
4	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
5	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
6	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]

Sr. No.	Name & Designation	Official Address	Whether present or paper	Phone Number & E-Mail Address	Date	Signature
1	Dr. Arjun Mathan, Asst. Professor	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
2	Dr. Arun K. K., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
3	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
4	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
5	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]
6	Dr. M. A. P. M., Asst. Prof., Dept. of Physics, Vimala College, Thrissur	Dept. of Physics, Vimala College, Thrissur	Yes	9447512345	Yes	[Signature]

Sr. No.	Name	Designation	Whether present or paper	Phone Number	E-Mail Address	Signature
1	Dr. Arjun Mathan	Asst. Prof.	Yes	9447512345	arjun.mathan@vimala.ac.in	[Signature]
2	Dr. Arun K. K.	Asst. Prof.	Yes	9447512345	arun.k.k@vimala.ac.in	[Signature]
3	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
4	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
5	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
6	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
7	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
8	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
9	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
10	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
11	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]
12	Dr. M. A. P. M.	Asst. Prof.	Yes	9447512345	m.a.p.m@vimala.ac.in	[Signature]



REGISTRATION FORM - WAF 2017						
CATEGORY: STUDENTS						
Sl. No.	Name	Association	Blindness present or not	Phone Number	E-Mail Address	Signature
13	DIPU DODIAS			94983567		<i>[Signature]</i>
13	DOWDY DODIAS P			9006888335		<i>[Signature]</i>
14	ARITA ARITY DODDY			9200550066		<i>[Signature]</i>
15	APARNA M			980154583		<i>[Signature]</i>
16	Shashank Shashank			9801054116		<i>[Signature]</i>
17	Shashank Shashank			9801054116		<i>[Signature]</i>
18	MANJUSHA BISE DIXI	VANASHI COLLEGE	NP	9219901964	shashankshashank@gmail.com	<i>[Signature]</i>
19	LANA STEPHAN	VANASHI COLLEGE	NP	9801545551	shashankshashank@gmail.com	<i>[Signature]</i>
20	Shashank Shashank	Vanashi College	NP	9940252255	shashankshashank@gmail.com	<i>[Signature]</i>
21	Prathina N	Vanashi College	NP	8000107001	shashankshashank@gmail.com	<i>[Signature]</i>
22	Anuska N	Vanashi College	NP	9801054116	shashankshashank@gmail.com	<i>[Signature]</i>

[illegible]

Sl. No.	Name	Description	Quantity received	Sl. No.	Name	Quantity
1	100000 000000 000000	100000 000000	100000 000000	1	100000 000000	100000 000000
2	100000 000000	100000 000000	100000 000000	2	100000 000000	100000 000000
3	100000 000000	100000 000000	100000 000000	3	100000 000000	100000 000000
4	100000 000000	100000 000000	100000 000000	4	100000 000000	100000 000000
5	100000 000000	100000 000000	100000 000000	5	100000 000000	100000 000000
6	100000 000000	100000 000000	100000 000000	6	100000 000000	100000 000000
7	100000 000000	100000 000000	100000 000000	7	100000 000000	100000 000000
8	100000 000000	100000 000000	100000 000000	8	100000 000000	100000 000000
9	100000 000000	100000 000000	100000 000000	9	100000 000000	100000 000000
10	100000 000000	100000 000000	100000 000000	10	100000 000000	100000 000000
11	100000 000000	100000 000000	100000 000000	11	100000 000000	100000 000000
12	100000 000000	100000 000000	100000 000000	12	100000 000000	100000 000000



VIMALA COLLEGE (AUTONOMOUS), THRISSUR

ASSESSMENT PERIOD (2016 - 2021)

Sl. No.	Name	Department	Head of Department	Phone Number	E-Mail Address	Signature
1	Dr. A. K. S.	Department of Physics	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
2	Dr. A. K. S.	Department of Chemistry	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
3	Dr. A. K. S.	Department of Mathematics	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
4	Dr. A. K. S.	Department of English	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
5	Dr. A. K. S.	Department of History	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
6	Dr. A. K. S.	Department of Political Science	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
7	Dr. A. K. S.	Department of Sociology	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
8	Dr. A. K. S.	Department of Economics	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
9	Dr. A. K. S.	Department of Education	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>
10	Dr. A. K. S.	Department of Fine Arts	Dr. A. K. S.	98471 11111	ak.s@vimalacollege.ac.in	<i>[Signature]</i>

Melvin

Head
Department of Physics
Vimala College(Autonomous)
Thrissur



[Signature]
PRINCIPAL IN-CHARGE
VIMALA COLLEGE
(AUTONOMOUS)
THRISSUR-680 009