NITT SPIE STUDENT CHAPTER

ANNUAL REPORT
JAN.2014-DEC.2014

Department of Physics
National Institute of Technology
Tiruchirappalli-620 015

Email: nittstudentchapter@gmail.com
Outline of the report

• **Chapter leaders and advisor** - 2014
• **List of current chapter members**
• **Monthly membership meet (MMM) - February 2014**
• **Junior Science flair** - 2014
• **Students outreach program - school visit to Kollimalai, India**
• **Monthly membership meet (MMM) - November 2014**
## Office bearers 2014

<table>
<thead>
<tr>
<th>Staff advisor</th>
<th>Prof. D. Sastikumar</th>
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<tr>
<td>President</td>
<td>Mr. M. Muneeswaran</td>
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<td>Vice President</td>
<td>Mr. R. Amiruddin</td>
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<td>Treasurer</td>
<td>Mr. R. Dhanabal</td>
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<td>Secretary</td>
<td>Mr. R. Muthuganesan</td>
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<td>Join Secretary</td>
<td>Ms. Uvanjelin Nithya</td>
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<td>Name</td>
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<td>Saheer Cheemadan</td>
<td>Seena</td>
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<td>Rini Cheriyar</td>
<td>Muneeswaran</td>
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<td>Angamuthuraj</td>
<td>Sivanantham</td>
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<td>Chithambararaj</td>
<td>Nallusamy</td>
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<td>Josephine D</td>
<td>Naseeb Nisar</td>
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<td>Kalyanavalli Devarajan</td>
<td>Seethal Pappachan</td>
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<td>Vinoth Elangovan</td>
<td>Shama Pearlin</td>
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<td>Rajani Gangadharan</td>
<td>Rajesh Ponraj</td>
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<td>Paul Selvi Gnana Sekar</td>
<td>Sruthy Poulose</td>
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<td>Saipriya Gopalakrishnan</td>
<td>Abinava Prasad</td>
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<td>Antilen Jacob</td>
<td>Prakash Karipoth</td>
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<td>Ahamed Khasim Kallungal</td>
<td>Dhanabal Rengasamy</td>
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<td>Aruna S</td>
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Total number of NITT-SPIE student members list - 47 members
Date: 6th February 2014.

• Ms. Bhagya Mathi (SPIE-member) delivered a talk on
  
  **Topic: Introduction to Nanotechnology and its Applications**

• Mr. C. Kanagaraj (SPIE member) delivered a talk on
  
  **Topic: About the SPIE student chapter activities**
Event name: Juniors Science Fair-2014
Date : 28th February 2014.
Place : Department of Physics, NITT
The objective of the Juniors science fair-2014 is to explore scientific awareness among young students from nearby high schools located around the rural areas of NITT. Around 75 students from nearby high schools participated in various events related to science and optics. The events list includes the following:

- Quiz preliminary round
- Scientific drawing competition
- Students exhibition – scientific model demonstration performed by students
- Quiz programs (for shortlisted school teams)
- Theme parade – An onstage drama/play performed by students with topic related to scientific and social awareness

(The events also includes, NITT-SPIE optics demonstration performed by SPIE chapter members. Food and high tea was served during the events.)
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

INAUGURATION

Inauguration dais for the event

Prof. S. Sundararajan,
Director-NITT

Prof. A. Chandrabose
(Physics-HOD, NITT)

Mr. M. Muneswaran
(President-SPIE)

Prof. D. Sastikumar
(Staff advisor-SPIE)

Students and teachers from near by schools
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

SCIENTIFIC- QUIZ COMPETITION

Quiz -preliminary and competition coordinated by Ms. S. Bhuvaneshwari
(NITT-SPIE member)

Students actively participating in the Quiz- event
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

SCHOOL STUDENTS SCIENTIFIC EXHIBITION

Students exhibition demonstration chaired by our NITT chief guest: Dr. M. C. Santhosh Kumar and Dr. J. Hemalatha

Students actively participating in the science exhibition demo events
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

SCHOOL STUDENTS EXHIBITION

Students actively participating in the science exhibition demo events
Students actively participating in the science exhibition demo events
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

SCIENTIFIC DRAWING COMPETITION

Students actively participating in the scientific drawing competitions
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

SCIENTIFIC THEME PARADE – AN ONSTAGE DRAMA/PLAY PERFORMED BY STUDENTS WITH TOPIC RELATED TO SCIENTIFIC AND SOCIAL AWARENESS

TOPIC: Importance of planting Tree’s

TOPIC: Effect of addiction to drug’s and alcohol

TOPIC: Effect of global warming on Earth

TOPIC: Food contamination Hazards
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014.

PRIZE DISTRIBUTION TO WINNERS OF VARIOUS EVENTS

Prizes were distributed by SPIE-staff advisor and chief guest of the events.
JUNIORS SCIENCE FAIR-2014
Date: 28th February 2014

FEEDBACK SESSION & VALIDICATION

Feedback received from the students about Junior Science Fair-2014

Vote of thanks delivered by Mr. R. Amiruddin (SPIE-Vice President)
Event name: Student’s outreach program
Date: 20 – 22nd March 2014
Place: Govt. school in a remote area of Kollimalai (Tamil Nadu, India)
• Chapter members along with the staff advisor visited a Government school in the interior of Kollimalai on 21st March 2014. The objective of the school educational visit is to create scientific awareness among the students located around rural areas and make them to understand the basic concepts of optics and science. Nearly, 80 students participated in the activity.

• SPIE chapter members demonstrated experiments and optics related concepts to the school students.

• SPIE chapter members also conducted various scientific competition such as scientific quiz, scientific drawing competition and essay writing. Students actively participated in competitions and won prizes.
Student’s Outreach Educational Program – Kollimalai
21ST MARCH 2014

NITT- SPIE members marching towards the school located at Kollimalai, India

NITT- SPIE staff advisor and chapter members during the welcome address

Participants
Student’s Outreach Educational Program – Kollimalai
21ST MARCH 2014

Quiz –preliminary round and competition coordinated by
Ms. S. Bhuvaneshwari (NITT-SPIE member)

Participants engaged in the Scientific Quiz preliminary round
Demonstration by NITT-SPIE members
Demonstration by NITT-SPIE members

NITT-SPIE members demonstrating the optics related models to school students
NITT-SPIE members demonstrating the optics related models to school students
Student’s Outreach Educational Program – Kollimalai
21ST MARCH 2014

Scientific drawing competition

School students actively participating in the event
Student’s Outreach Educational Program – Kollimalai
21st March 2014

Scientific Quiz competition

Quiz - finals

School students actively participating the puzzle’s round
Student’s Outreach Educational Program – Kollimalai
21ST MARCH 2014

Prize distribution and valediction of the program

NITT-SPIE memento presented to the school

Prize distribution to the winners of various events
Student’s Outreach Educational Program – Kollimalai
21st March 2014

Group photo session with the school students
Date: 3rd November 2014.

• Mr. L.R. Shobin - SPIE-member who has awarded SPIE Optics + Photonics scholarship for the year 2014-15 delivered a talk on

**Topic: SPIE Scholarship — An introduction**

Mr. L.R. Shobin delivering a talk on SPIE Scholarship - an introduction

Mr.C. Kanagaraj (NITT-SPIE, Office bearer) presenting a memento to Mr.L.R. Shobin
# Office bearers 2015

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Financial grant status-2014

Amount received from SPIE - ~ 1932$

Expenditures occurred during 2014

- Monthly membership meet (MMM) -2014 - ~350$
- Junior Science flair - 2014 - ~900$
- Students outreach program- school visit to Kollimalai, India* -~680$

Total 1930 $

*Partial financial were supported by NITT-SPIE members
Future activities

- Monthly membership meet (MMM)
- Scientific visit
- Invited lectures
- Workshop on Women science congress in association with NITT OSA Student Chapter
- Workshop for school students in association with NITT OSA Student Chapter
- School visit will be arranged in rural areas to furnish the basic knowledge on optics.
Thank you