ANNUAL REPORT

B.P. PODDAR INSTITUTE OF
MANAGEMENT & TECHNOLOGY

SPIE STUDENT CHAPTER

(September 2011-September 2012)

Created By: Gyananjay Kumar
“If you have strong team work with full enthusiasm and zeal, success gets repeated year by year”. Like the first year, the second year of SPIE Student Chapter in our college premises witnessed a number of highly successful educational and entertaining events. Let’s have a short look on all these events organized during the time period of Sept.2011 to Sept.2012.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the Event</th>
<th>Date</th>
<th>Place</th>
<th>Event Manager</th>
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<tbody>
<tr>
<td>1.</td>
<td>NATIONAL CONFERENCE ON EMERGING AREAS OF PHOTONICS &amp; ELECTRONICS (EAPE-2011)</td>
<td>15th &amp; 16th Sept, 2011</td>
<td>Kolkata</td>
<td>Kabita Paul and Kunal Mandal</td>
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<td>2.</td>
<td>Organization of a technical quiz competition and a Science Model competition called ‘ABHIGYAN’</td>
<td>23/02/2012</td>
<td>Kolkata</td>
<td>Kunal Mandal and Kabita Paul</td>
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<td>3.</td>
<td>2nd Anniversary celebration of BPPIMT SPIE Student Chapter</td>
<td>18/08/2012</td>
<td>Kolkata</td>
<td>Arghya Ganguly and Gyananjay Kumar</td>
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<td>4.</td>
<td>An industrial visit to Mejia Thermal Power Plant</td>
<td>10/09/2012</td>
<td>Kolkata</td>
<td>Nazimul Islam Gazi and Binobaditya Sahoo</td>
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A National Conference on Emerging Areas of Photonics and Electronics (EAPE) was organised by SPIE Student Chapter of BPPIMT on 15th & 16th September, 2011. This conference aims to provide a platform to the young scientists and engineers to share their ideas with industry professionals and other academicians globally. This was the first national conference organised by SPIE Student Chapter at BPPIMT. Eminent persons from USA, topmost National universities & telecom industries delivered lecture on Optical Communication & Network, Laser Electronics & Telecommunication system etc.
Topics Covered

- Free space and Guided Optical communication
- Photonic Devices and Optoelectronic Integrated Circuits
- Adaptive Optics and Astronomical Instruments
- Lasers and Laser Systems
- Biomedical Optics and Electronics
- Electronic & Optical Materials
- Optical & Electronic System Design
- Wireless & Optical Networks
- Microwave & Mobile Communication
- Nano-Technology
The conference started with lightning of diya by Dr. Arun Kr. Majumdar (senior scientist, Ridgecrest USA), Prof. (Dr.) Sutapa Mukherjee (Principal, BPPIMT), Prof. (Dr.) S. C. Chakravartty, Prof. (Dr.) V. P. N. Nampoorí (Invited Speaker, Cochin University), Prof. (Dr.) B.N. Chatterji (Dean, BPPIMT), Prof. (Dr.) Bhaskar Som (Senior Professor BPPIMT) & Ms. Kabita Paul (Chapter President). The convener of the conference was Prof. (Dr.) Shila Ghosh. Many National and International papers were submitted & best 17 papers were selected for presentation.
Invited Speakers

- Dr. Arun Kumar Majumdar (Senior scientist, Ridgecrest, California U.S.A.)
- Prof. (Dr.) V.P.N. Naampoori (Professor, Cochin University of Science & Technology)
- Mr. Somnath Maity (General Manager, BSNL-Kolkata)
- Prof. (Dr.) Alok Kumar Das (Professor, Jadavpur University)
- Prof. (Dr.) Ajay Ghosh (Professor, Calcutta University)
2. Organization of a technical quiz competition and a Science Model competition called ‘ABHIGYAN’

AT B.P. POODAR INSTITUTE OF MANAGEMENT AND TECHNOLOGY

A tech-quiz competition and a science model competition were organized in the last week of February, 2012. In the prelims round of tech-quiz, held on 23rd of this month, almost 55 teams participated, out of which four teams were selected for the finals. On 25th, final of the tech-quiz and the science model competition were organized in the seminar hall of our college. The Quiz Master, Mr. Uddipan Mukherjee (the then faculty of the Physics department of our college and currently working as an I.F.S. officer) divided the whole quiz session in four rounds including an interesting audio-visual round. After two hours of thrilling performances by all four finalists, two teams were selected for the winner and the runner positions respectively. Meanwhile in the Science Model competition, two of the SPIE members from our college jointly captured the first prize for their brilliant innovative work on photo-sensing. Audience including faculty as well as students enjoyed the entire program a lot giving a virtual certification of success of this program.
Our president Kabita Paul addressing the audience at the start of the program.

Our Principal Mam awarding the winners of Tech-Quiz.

Audience in the Seminar Hall enjoying the Quiz.
3.2\textsuperscript{nd} Anniversary celebration of BPPIMT SPIE Student Chapter

On 18\textsuperscript{th} August, the 2\textsuperscript{nd} anniversary of SPIE, BPPIMT was celebrated in our student chapter office. All the SPIE members were present in the event. Our Student chapter advisor Prof.(Dr.) Shila Ghosh cut the celebration cake & delivered a small speech. All SPIE members enjoyed the whole celebration & joyous moment was flashing in the SPIE student chapter room.
SPIE members having fun with cake and cold drinks

SPIE TEAM in photogenic mood

New faces of the student chapter
4. An industrial visit to Mejia Thermal Power Plant

Date: 10th September, 2013
Place: Mejia (Bankura, West Bengal) Event
Co-ordinator: Prof. (Dr.) Sheila Ghosh
Total no. of SPIE members present: 50

This was the 2nd industrial visit organized by the SPIE Student Chapter, BPPIMT since its birth in 2010. Once again special thanks goes to Prof. (Dr.) Shila Ghosh for taking an authorized permission from the concerned authority for this industrial visit. The visiting team consisted of 50 students and 5 faculty members. As decided, the entire visited team reached our college campus at 5 a.m. and from there, we started our journey and reached Mejia (located at Durloypur, Bankura, 35 km from Durgapur city in West Bengal) by 11:30 a.m.

After reaching the site, firstly each and every member enrolled his/her name in the visitors’ list. Then we were taken to the working site of the power plant and were introduced with the various machines and their functioning. We were just amazed to know that MTPS was the largest thermal power plant, in terms of generating capacity in the state of West Bengal as well as among other DVC power plants having an installed capacity of 2340 MW. The biggest attraction was the control room, highly equipped with latest unique software. Unfortunately, we could not capture the Power plant in our cameras and mobile cells as it was not allowed there, however the educational and entertaining session there made a strong imprint in our heart and memories. Meanwhile, we should not forget to thank the Mejia authority for their full support and cooperation in this industrial tour. Finally, we returned back by 9:00 p.m. at the college campus from where dispersed to our homes.
An outside view of MTPS

Members travelling in bus during the tour

Faculty members who accompanied and guided us during the tour

SPIE members with a senior engineer at MTPS
Hope, even in the next year of SPIE, BPPIMT, we will enjoy some great educational events mixed with the spices of fun and entertainment.............

Special thanks to:   Mr. Nazimul Islam Gazi
                        Mr.Chandradeep Saha
                        Mr.Binobaditya Sahoo
                        Mr.Ved Vikas Sharma
                        Mr.Arghya Ganguly
SPIE OFFICER TRAVEL GRANT FOR ATTENDING OPTICS+PHOTONICS 12

In the year 2012 two SPIE officer of our student chapter attended OPTICS+PHOTONICS’12 in San Diego, USA.

Two SPIE officer shared their experience of attending the International Conference

1. NAZIMUL ISLAM GAZI (President)

It was a great experience for me to attend such type of huge International Conference. From the preparation of making US Visa the experience started there were many process, realtime facts for the travel. One of my best friend & Vice Secretary of our student chapter Chandradip Saha was with me from start to end. We both share our travel experience & expenses. SPIE arranged our accommodation for six days. On 11th August, 2012 we participated in Student Leadership Program there Dr. Sherry Nooravi took our personality test (MBTI test) in between we have a royal lunch at Hotel Marriot & there was many interesting events & we interacted with many students from different countries/cultures.

From 12th August to 16th August, 2012 the OPTICS+PHOTONICS’12 conference was held in the Convention Centre of San Diego. It was a great experience to represent our college student Chapter in front of all. There were many student chapters, companies in the conference. Every thing was well arranged & organised. There were many professors from different countries. We interacted with many students discussed about our studies, careers, culture etc. It was very great experience to talk with Tasha Chicovsky, Benjamin Lockwod, Allison Jones & other SPIE student affairs officers. There was also a lunch at Hotel Marriot with professors & students. Attending the conference is my lifetime evergreen experience & those days are unforgettable.

2. Chandradip Saha (Vice Secretary)

The whole experience of attending the conference was amazing. Starting from the day I got my visa! I was nervous momentarily and it was pure joy when the Officer said Visa granted. After that I was eagerly waiting for the day to arrive, the day of the journey. It was a hectic journey and also long. But there was tiredness filled with kindled happiness of visiting a country like US and also attending the conference. The first day was a student chapter interaction program and it was conducted by Dr. Sherry Noorvi. We had personality tests and how to bring about a change to your student chapter and how to hold different events. It was so nice to mingle with different cultures, different people.
A few great moments at San Diego, USA
# DETAILS OF EXPENDITURE OF BPPIMT SPIE STUDENT CHAPTER (2011-2012)

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<thead>
<tr>
<th>DATE</th>
<th>PURPOSE</th>
<th>AMOUNT</th>
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<tr>
<td>15th &amp; 16th September, 2011</td>
<td>NATIONAL LEVEL CONFERENCE (Emerging areas in Photonics &amp; Electronics EAPE 2011)</td>
<td>245$</td>
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<td>08th August, 2012</td>
<td>SPIE officer see-off</td>
<td>10$</td>
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<td>18th August, 2012</td>
<td>SPIE STUDENT CHAPTER 2nd Anniversary Celebration</td>
<td>20$</td>
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<td>08th September, 2012</td>
<td>Industrial Tour to Mejia Thermal Power(Bankura)</td>
<td>340$</td>
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<tr>
<td>NA</td>
<td>Refreshment in Meeting purpose</td>
<td>20$</td>
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<tr>
<td><strong>TOTAL=</strong></td>
<td></td>
<td><strong>900$</strong></td>
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