PHYSICS DEPARTMENT

Year of Establishment: 1937
Faculty of the Department:

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Qualification</th>
<th>Year of Joining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R. Das</td>
<td>Associate Professor (Head of Department)</td>
<td>M.Sc. PhD</td>
<td>1986</td>
</tr>
<tr>
<td>Dr. V.R. Rao</td>
<td>Associate Professor</td>
<td>M.Sc. PhD</td>
<td>1991</td>
</tr>
<tr>
<td>M. Lyndem</td>
<td>Associate Professor</td>
<td>M.Sc.</td>
<td>1997</td>
</tr>
<tr>
<td>Dr. L. Kurbah</td>
<td>Assistant Professor</td>
<td>M.Sc. PhD</td>
<td>2001</td>
</tr>
<tr>
<td>B.L. Giri</td>
<td>Assistant Professor</td>
<td>M.Sc. NET</td>
<td>2006</td>
</tr>
</tbody>
</table>

WORKSHOP / SEMINARS / POPULAR TALKS / WORKSHOPS / SYMPOSIA / INVITED LECTURES / GUEST LECTURES / ETC.

1. The Deptt. of Physics organised the National Workshop on “Computer Interfacing on Physics Experiments” in St. Edmund’s College, Shillong, in collaboration with the Inter University Accelerator Centre (IUAC), New Delhi, on the 11th to 13th May 2009.

2. The Department of Physics organized a Invited Guest Lecture on the topic “Recent trends in Microwave terahertz frequency and Meta materials”, in the College Auditorium by a distinguished Physicist Prof. Subal Kar, Head of the Deptt., Institute of Radio Physics and Electronics (IRPE), University of Calcutta, on the 13th of May, 2010.

3. The Deptt of Physics organized an Invited Guest Lecture in the College on the 9th June, 2010 by Maj. Pravin Kumar Jha, Indian Army, for B. Sc II yr and III yr students of St. Edmund’s College. On the topic “Job prospects in the armed forces after graduation”

4. The Deptt of Physics organized an Invited Guest Lecture entitled “The Bonsai of Materials and its wonders” by Prof. Amar Jyoti Choudhury, Pro. Vice Chancellor of Tezpur University, in St. Edmund’s College Auditorium on 1st July, 2010. The Lecture was attended by the Degree students and the faculty members of the College. Vice Principal Prof. J. M. Sen was present in the programme. Few members of the NEHU faculty were also attended the lecture.

5. The Deptt of Physics organized an Invited Guest Lecture entitled “Thermodynamics and Social Disorder” by Mr. Govinda Bhattacharjee, IAS, Chief vigilant Officer, Ministry of Heavy industries, Govt. of India, in St. Edmund’s College Auditorium on 30th of
August, 2010. The Lecture was attended by the Degree students and the faculty members of the College. Faculty members of other institutions of Shillong were also present in the programme. An interaction with the members of the Physics Department was also arranged in Physics lab.

6. The **State-level workshop Experimental Demonstration of Basic Concepts of Physics** organized by the Department on the 9th July, 2011 and 16th July, 2011. The Workshop was purposely organized for the (10+2) students of different schools and Colleges of the State. The aim of the workshop is to help students remove misconceptions giving them hands on activities related to the fundamental concepts in Physics.

7. Guest lecture titled **“Jump Start your career- opportunities”** by Mr. Joydeep Roy Choudhury, Cofounder & Director of Techno-Media Software Solutions Pvt. Ltd. Bangalore. At the Physics lab attended by the Physics honors students and the physics staff on the 22nd Sept. 2011.

8. An invited Guest lecture entitled **“Experimental Techniques and Methodologies”** by Dr. S.S. Khatri, Deptt. of Physics, NEHU, Shillong, was organized by the department on the 17th and 30th of March, 2012.

9. An invited Guest lecture entitled **“Power line Communication and Applications”** by Dr. B. Tiru, Deptt. of Physics, Gauhati University, Guwahati, organized by the Deptt. of Physics, St.Edmund’s College on 24th May, 2012.

10. Guest Lecture entitled **“Prospects and Challenges of Nuclear Power and Related Cycle”** by Padmashri Dr. C. Ganguly, International Atomic Energy Agency, Vienna, Austria, organized by the Deptt. of Physics, St.Edmund’s College, on the 16th of Nov. 2012.

11. Guest Lecture entitled **“Enthusiasm and trends in modern day Physics”** by Dr. Bikram Phukan, Deptt of Physics. St. Stephen College. New Delhi, organized by the Deptt. of Physics, St.Edmund’s College, on the 24th of June 2013.

12. Guest Lecture entitled **“Polymath: the last man who knew everything.( Thomas Young, 1773-1829)”** by Prof Y.S.T. Rao Former Head Department of Physics NEHU. Shillong, Meghalaya, organized by the Deptt. of Physics, St.Edmund’s College, on the 28th of June 2013.


Projects undertaken by the Department:

1) List of past faculty/staff of the Department:-

<table>
<thead>
<tr>
<th>NAME</th>
<th>YEAR OF JOINING</th>
<th>YEAR OF LEAVING</th>
<th>PRESENT POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. N. Ganguli</td>
<td>1/1/1942</td>
<td>1/9/1972</td>
<td>Expired</td>
</tr>
<tr>
<td>Tapeswar singh</td>
<td>14/7/1961</td>
<td>1/4/1964</td>
<td>-------</td>
</tr>
<tr>
<td>Smt. Eva Bhuyan</td>
<td>17/7/1961</td>
<td>1/4/1964</td>
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<tr>
<td>Prof. B. M. Goswami</td>
<td>2/5/1962</td>
<td>31/1/2001</td>
<td>Retired</td>
</tr>
<tr>
<td>Nirmal Joshi Dev</td>
<td>29/8/1962</td>
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</tr>
<tr>
<td>Kamenlendu Dutta Choudhury</td>
<td>16/3/1963</td>
<td>------</td>
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</tr>
<tr>
<td>Kamini Kumar Nath</td>
<td>1/4/1963</td>
<td>30/6/1964</td>
<td>-------</td>
</tr>
<tr>
<td>Sudip Kumar Raha</td>
<td>16/7/1963</td>
<td>31/3/1965</td>
<td>----------------</td>
</tr>
<tr>
<td>Smt. Dolcy .M. Kharbuli</td>
<td>10/12/1963</td>
<td>31/12/2003</td>
<td>----------------</td>
</tr>
<tr>
<td>Asit Baran Chakravarty</td>
<td>1/10/1966</td>
<td>31/1/1998</td>
<td>Expired</td>
</tr>
<tr>
<td>D.R. Bhattacharjee</td>
<td>1/6/1967</td>
<td>30/9/2004</td>
<td>Retired</td>
</tr>
<tr>
<td>Prof K.P. Bhattacharjee</td>
<td>1/6/1967</td>
<td>30/9/2004</td>
<td>Expired</td>
</tr>
<tr>
<td>Prof W. Pasah</td>
<td>1/7/1974</td>
<td>1986</td>
<td>Retired</td>
</tr>
<tr>
<td>Bro. B.S. Davis</td>
<td>1/7/1978</td>
<td>------</td>
<td>----------------</td>
</tr>
<tr>
<td>Prof.Ramendhu Bhattacherjee</td>
<td>1/10/1986</td>
<td>31/10/1998</td>
<td>ProV.C. Assam University Silchar, Assam</td>
</tr>
<tr>
<td>Dr.Sukhdev .S.Khatri</td>
<td>1/4/1996</td>
<td>15/12/2007</td>
<td>Associate Professor Deptt of Physics NEHU. Shillong</td>
</tr>
<tr>
<td>Dr.Ratna Deep Roy</td>
<td>24/5/2005</td>
<td>2/3/2009</td>
<td>Associate Professor Deptt of Physics Amity University Jaipur</td>
</tr>
<tr>
<td>Mr. Amalendu Das</td>
<td>01/06/2006</td>
<td>2009</td>
<td>Assistant Professor Deptt of Physics Sikkim Manipal University. Sikkim</td>
</tr>
<tr>
<td>Mr. Nabendu Deb</td>
<td>7/2009</td>
<td>9/2010</td>
<td>Regional Institute of Science and Technology Baridua. Meghalaya</td>
</tr>
<tr>
<td>Ms.Doreen.Anabel War</td>
<td>1/4/2009</td>
<td>28/2/2011</td>
<td>Assistant Professor Deptt of Physics St. Mary’s College Shillong</td>
</tr>
</tbody>
</table>
List of Alumni and their present positions:
1. Prof. Ayon Bhattacherjee – NIT Meghalaya
2. Dr. N.K. Choudhury – Scientist ‘F’ DRDO, New Delhi

There are many more prominent academicians, scientists, high ranking government officials, etc., dead and alive whose names are not included as the list will become endless.

List of achievements of the Department

1. B. Sc III (Hons) Results

Result of the B.Sc. Physics Honours Final Year Examination 2009:

- Number of students appeared: 12
- Number of students passed: 12
- Departmental pass Percentage: 100%
- University pass percentage: 90.86%
- College pass percentage: 96.58%
- Number of first division: 11
- Number of second division: 1
- Number of position in the University: 3
  - 4th position: SAGNICK CHAKRABORTY
  - 6th position: SANDEEP KUMAR DEB
  - 10th position: SOCHIPEM KASAR

Result of the B.Sc. Physics Honours Final Year Examination 2010:

- No. of Students Appeared: 10
- No. of Students Passed: 08
- No. of Position in the University: 04
  - 1st Position: Alestin Mawrie: 80.50%
  - 2nd position: Ivanskhem Sawkmie: 78.75%
  - 5th position: Larilordor Langstieh: 70.13%
  - 7th position: Shailes Swer: 69.75%
- No. of 1st class: 08
- No. of 2nd class: Nil
- No. of Simple Passed: Nil
- Departmental Pass Percentage: 80%

No. of Students Appeared : 11
No. of Students Passed : 11
No. of Position in the University : 05
1st Position: Deven Sunar : 82.25%
4th position: Korbarlin Mawlieh : 74.38%
5th position: Sanjit Chakraborty : 73.38%
6th position: Fairlin Khongshun : 71.25%
7th position: Niangmuankim : 69.63%
No. of 1st class : 07
No. of 2nd class : 04
University Pass Percentage : 95.56%
College Pass Percentage : 97.12%
Departmental Pass Percentage : 100%


No. of Students Appeared : 20
No. of Students Passed : 20
No. of Position in the University : 04
3rd Position: Suman Deb : 75.88%
5th position: Aunggat Shah : 73.13%
9th position: L.G. Neihsial : 68.25%
10th position: Idawandafa J. Chullai : 66.75%
No. of 1st class : 09
No. of 2nd class : 11
University Pass Percentage : 94.56%
College Pass Percentage : 94.92%
Departmental Pass Percentage : 100%


No. of Students Appeared : 14
No. of Students Passed : 14
No. of Position in the University : 03
1st Position: Joel Lalbiakkima : 79.88%
7th position: Waiphangmiki Syntem : 67.75%
10th position: Rapmelang Lyngdoh : 66.38%
No. of 1st class : 09
No. of 2nd class : 05
No. of Simple Passed : Nil
University Pass Percentage : 91.86%
2. **Award of Star College Scheme:-** The year 2009 was yet another important landmark year for the department as it was one of the six departments selected in the college under Star College Scheme of The Department of Biotechnology, Ministry of Science and Technology, Government of India. Under this scheme all the selected received a grant for 12 lakhs each

**Any other relevant information:-** The Physics Department of St.Edmund’s college Shillong has a good infrastructure with a well equipped laboratory for under graduate courses. The department can boast of having quite a number of apparatus of very old path breaking experiments like the study of cathode rays, etc.