From the Desk of the Editor & Head of the Department:

Technology is a powerful tool for the development and welfare of the society and the engineers play a significant role in the process. Mechanical (Automobile) Engineering Department is equipped with up-to-date laboratories, smart classroom, experienced and qualified teaching staff to match with the recent trends in technical education. Our sincere effort is to induce all the qualities in our students that an engineer should posses and to develop professional attitude so that he or she can start a professional career and contribute a lot for the betterment of the society as well.

From the middle of the March, 2020, India is facing a tough time due to novel coronavirus COVID-19 pandemic. We are out of the class room for the last two and half months due to nationwide lockdown. But despite of all odds we are trying to reach out our students through various digital platforms and partially successful too. Our teachers are continuously communicating with the students, arranging online classes, sharing lecture notes, giving them assignments, poster and try to engage them in various creative activities during this period. Yes, online classes can not be a replacement of classroom teaching, but we have to accept it in such situation. This pandemic has forced us to think out of the box and venture new ways and means to live a normal life in such a COVID-19 like crisis in future. Hope normalcy will return and we will be able to come back to class room very soon.

**Editorial Board:**
1. Sri Bhabananda Phukan, Editor & HOD i/c
2. Sri Rabindra Pathak, Member, Lecturer(SS)
3. Sri Ananta Kr. Nath, Member, Lecturer(SS)
4. Sri Tapash Kr. Ghosh, Member, Lecturer

**Upcoming Events:**
- Quiz on “History and Culture of Rajasthan” on 16th July, 2020

**VISION of the Department**
To excel in producing quality diploma Mechanical (Automobile) Engineers to meet the needs of the industry and the society.

**MISSION of the Department**
- To impart the fundamental concepts, knowledge, engineering problem solving, designing and testing skill to the students through effective teaching and learning.
- To Provide industry interaction to the students to update their knowledge, skill in the context of technological changes as well as enhancement of employability.
- To inculcate social, environmental awareness, ethics in engineering practice in students through co-curricular and extra-curricular activities.
- To develop managerial skills and leadership quality in students as an engineering professional.

**Newsletter**
Mechanical (Auto) Engineering Department
Bongaigaon Polytechnic
1st Edition, June, 2020
Fight against Covid-19

All the staff of Bongaigaon Polytechnic have donated one day salary to Arogya Nidhi of Govt. of Assam through D.C. Bongagigaon district. Institute is also ready to spare part of its building including a drawing hall of Mechanical (Automobile) Engineering for a quarantine centre of 100 capacity. Bongaigaon Polytechnic extends its full cooperation and support to district administration in dealing with the COVID-19 crisis. Three numbers faculties from Mechanical (Auto) Engineering Department, Sri Rabindra Pathak, Lecturer (SS), Tapash Kr. Ghosh, Lecturer and Ananta Kr. Nath, Lecturer(SS) have rendered their service at a de-boarding centre for stranded people coming from out side the state of Assam.

Awareness on Corona Virus:

Poster drawn by Sri Bikram Phukan, 6th Semester student of Mechanical (Automobile) Engineering Branch.

Industrial Visit


Local Industry visit to Railway Tunnel Construction Site at Khagarpur, Bongaigaon and Paver Block making Industry at North Salmara, Bongaigaon on 14/03/2019. Group was accompanied by Sri Bhabananda Phukan, Lecturer(SG) and HOD i/c, Mechanical (Automobile)Engg., Sri Hitesh Deka, HOD, Civil Engg., Sri Subhash Ch. Das, Lecturer(SG), Sri Manash Pratim Saikia, Sr. Instructor, and Swarup Debnath, Sr. Instructor(PT)
Expert Lectures on AI and Robotics

Lectures on AI and Robotics was conducted at the premises of Bongaigaon Polytechnic on 26th November, 2019. Resource person Gurpreet Kaur Anand from Kaziranga University, Jorhat, Assam.

Lecture on Agro based Rural Technology:
Lectures on Agro Based Rural Technology was delivered by Dr. Khanindra Pathak, IIT, Kharagpur on 29th of November 2019 at the auditorium of Bongaigaon polytechnic, Bongaigaon. Final semester students of Mechanical (Automobile) Engineering, Electrical Engineering along with the faculties have attended this session. Dr. Pathak, during his session emphasise on exploring the Agro base rural technology to utilise the locally available resources for self-employment of youth specially the diploma engineers.

Excursion:

5th Semester students of Mechanical (Automobile) Engineering have visited Darjeeling and Sikkim on 4th March, 2020 to 8th March, 2020. Sri Rabindra Pathak, Lecturer(SS), Mechanical Engineering and Sri Ananta Kumar Nath, Lecturer(SS), Automobile Engineering were accompanied with the group as guide teachers.

Seminar /Workshop:

A group of 5th semester students of Civil Engineering, Electrical Engineering and Mechanical (Automobile)Engineering branch of Bongaigaon Polytechnic have participated a workshop “TECHBLITZ” organised by Kaziranga University, Jorhat, Assam on 13th March, 2020

Name of the Participants from Mechanical (Auto) Engineering Branch:
1. Bhaskar Sharma
2. Abhisheck Dutta
3. Kaustov Moni Ray
4. Abhijit Dey
Career counselling:
Lectures on internship and short term training programme to 4th & 5th Semester students to enhance skill and employability of students on 8th May, 2019. Resource person from TRTC, Guwahati.

Visitors:
Noted film producer and director Padma Bhusan Jahnu Barua visited this institute on 25th, February 2020.

Workshop Activity:
Students constructing a working model of GOKART at Department’s workshop as final semester project.

Faculty and Staff Development

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of faculty</th>
<th>STTP and Period</th>
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<tbody>
<tr>
<td>1</td>
<td>Sri Bhabananda Phukan, Lecturer(SG) &amp; HOD i/c, Mechanical (Automobile) Engineering</td>
<td>“Selection of Nanomaterials for Energy Harvesting and Storage Application.” SWAYAM (NPTEL online certificate course) Jul-Aug 2019 (4 weeks)</td>
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<td>2</td>
<td>Sri Rabindra Pathak, Lecturer(SS), Mechanical Engineering</td>
<td>“Environmental Pollution Testing”, at NITTTR, Kolkata on 17/02/2020 to 28/02/2020</td>
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<tr>
<td>4</td>
<td>Sri Tapash Kr. Ghosh, Lecturer(SS), Mechanical Engineering</td>
<td>“Industrial Training “at IOCL, Bongaigaon Refinery. 8th July to 27th July, 2019 “Theory and Practicing of CNC operation” 26th Aug to 9th Sept, 2019 (15 days)</td>
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Ek Bharat Shrestha Bharat Programme

A group of 46 numbers of students visited university of Kota, Kota, Rajasthan on 10.02.2020 to 18.02.2020. The group was guided by Dr. Sima Chhawchharia, Lecturer, Mathematics and Sri Pradip Kr. Mahanta, Sr. Instructor.