

A QUARTERLY NEWS BULLETIN

GLIMPSES

PUBLISHED BY

DEPARTMENT OF MECHANICAL ENGINEERING

Jorhat Engineering College

Photo Courtesy: RANBIR KALITA



VISION

- In pursuit of a centre of excellence in mechanical engineering and maintain it through a continuous effective learning - teaching process and need-based research.

MISSIONS

- M1: To adopt effective learning-teaching processes to build students capacity and enhance their skills.
- M2: To nurture the students to adapt to the changing academic needs and industrial expectations.
- M3: To develop professionals to meet industrial and societal challenges.
- M4: To motivate students for entrepreneurial ventures for nation-building.

ADVISER(S):

- **Dr. P. B. Barua**
PROF. & H.O.D OF MED, JEC
- **Dr. Thuleswar Nath**
ASSOC. PROF. OF MED, JEC
- **Dr. D. Hatibaruah**
ASSOC. PROF. OF MED, JEC

EDITOR(S):

- **Mr. Prince Kumar**
ASST. PROF. OF MED, JEC
- **Ms. Dimpri Bora**
ASST. PROF. OF MED, JEC

MESSAGE**From
H.O.D's Desk**

I am delighted to know that the third issue (Vol. 1/2018/issue.3) of the Department's News bulletin, GLIMPSES is going to be brought to light soon. The publication of department's news bulletin has become, as evident, a continuous process and not a one-time venture. This is a very positive and outcome based strategy for overall development of the department.

In the long run, The quarterly Glimpses when compiled together, would serve as a chronicle or archive for future generation.

With Best wishes to all concerned.

PROF. PARIMAL BAKUL BARUA
HEAD OF DEPARTMENT OF MECHANICAL ENGINEERING
JORHAT ENGINEERING COLLEGE, JORHAT, ASSAM

**EDITOR'S MESSAGE**

Dear Readers

We are happy to see the amount of enthusiasm of faculty members and students of the mechanical engineering department to contribute to the news bulletin. We are thankful to the head of department and advisers for guiding us in true spirit.

We proudly bring to light the vol.1, issue-3 of the department news bulletin in order to show to the outside world, the progress we have made in this quarter. We intend to continue presenting the talent and activities of our staff and students through the subsequent GLIMPSES.

We earnestly hope that the news bulletin would provide you a chance to feel proud of your department and encourage you to be committed to its well-being.

MR. PRINCE KUMAR
ASSISTANT PROFESSOR
MED, JEC.



MS. DIMPI BORA
ASSISTANT PROFESSOR
MED, JEC.



FACULTY OF MECHANICAL ENGINEERING DEPARTMENT



(Professor & Head)

Dr. Parimal Bakul Barua
Ph.D. (IIT Roorkee)
Specialisation: Production and Industrial Engineering
Research Interest: Quality Control, Optimisation, Manufacturing and Supply Chain Management
Phone No. 9435091412
Email id.: parimalbakul@gmail.com



(Professor)

Dr. Pradeep Kumar Mahanta
Ph.D. (REC, Roorkella)
Specialisation: Mechanical System Design
Research Interest: Energy
Phone No. 9435041405
Email id: pkmahanta@india.com



(Assoc. Prof.)

Dr. Thuleswar Nath (Assoc. Prof.)
PhD (IIT Kharagpur)
Specialisation: Production and Industrial Engineering
Research Interest: Quality, System dynamics and Mfg.
Phone No. 9954447837
Email id.: nath.thuleswar@gmail.com



(Assoc. Prof.)

Dr. Diganta Hatibaruah
PhD (Tezpur University)
Specialisation: Energy
Research Interest: Energy, Drying Technology and Cryogenic
Phone No. 9954486973
Email id.: dhbaruah@gmail.com



(Assoc. Prof.)

Dr. (Ms) Rupanjali Nath
PhD (IIT Delhi)
Specialisation: Thermal Engineering
Research Interest: Technology Initiated Change Management, Industrial Engineering and Solar Energy
Phone No. 9678071965
Email id: n.rupanjali@gmail.com



(Assist. Prof.)

Mr. Ajoy Krishna Dutta
M.Tech (IIT Guwahati)
Specialisation: Machine Design
Research Interest: Non-conventional Energy
Phone No. 9435050249
Email id.: dutta.krishna@gmail.com



(Assist. Prof.)

Mr. Mafidur Rahman
M.Tech (IIT Guwahati)
Specialisation: Machine Design
Research Interest: Design and Manufacturing
Phone No. 9435532333
Email id.: mrahman1234@rediffmail.com



(Assist. Prof.)

Ms. Dimpi Bora
M.E (Assam Engineering College)
Specialisation: Fluid and Thermal
Research Interest: Thermal Engineering
Phone No. 8876581230
Email id.: dimpibora2015@gmail.com



(Assist. Prof.)

Mr. Debarupam Gogoi
M.Tech (IIT Guwahati)
Specialisation: Computer Assisted Mfg.
Research Interest: FEM in Machine Design, Robotics and CAD/CAM
Phone No. 8638539394
Email id : debarupam@gmail.com



(Assist. Prof.)

Mr. Diganta Kalita
M.E (Jorhat Engineering College)
Specialisation: Industrial Engineering and Production
Research Interest: Optimisation and Welding
Phone No. 9854158284
Email id.: digant123@yahoo.co.in



(Assist. Prof.)

Mr. Bijoy Roy
M.Tech (IIT Guwahati)
Specialisation: Design
Research Interest: Energy and Heat Transfer
Phone No. 9954322064
Email id : bijayroy@yahoo.com



(Assist. Prof.)

Dr. Deva Kanta Rabha
PhD (IIT Guwahati)
Specialisation: Energy
Research interest: Solar Thermal and Energy Conservation, Thermal energy storage
Phone No. 07896853210
Email id : devakra@gmail.com



(Assist. Prof.)

Dr. Jitender Kundu
PhD (NIT Kurukshetra)
Specialisation: Industrial & Production
Research Interest: Advanced Mfg. Techniques, Advanced Joining Processes, Optimization Techniques
Phone No. 9729143005
Email id: jitenderkundu@gmail.com



(Assist. Prof.)

Mr. Prince Kumar
M.Tech (NIT Silchar)
Specialisation: Thermal Engineering
Research Interest: Turbulent flow and heat transfer, Micro-scale fluid flow and heat transfer, CFD
Phone No. 7086831287
Email id: princenits2017@gmail.com



(Assist. Prof.)

Mr. Sanjeev Vishwakarma
M.Tech (IIT Guwahati)
Specialisation: Fluid and Thermal
Research Interest: Solar thermal storage system, Heat Transfer and fluid flow & CFD
Phone No. 90857 42465
Email id: sanjudeotalab@gmail.com



(Assist. Prof.)

Mr. Nagendra Kushwaha
M.Tech (MNNIT Allahabad)
Specialisation: Product Design and Development
Research Interest: Design and Development of new Product and Services
Phone No. +91-8953341316
Email id: nagendrakushwaha007@gmail.com



(Assist. Prof.)

Mr. Sanjeet Kumar
M.Tech. (IIT Guwahati)
Specialisation: Aerodynamics and propulsion
Research Interest: Aerodynamics, heat transfer, CFD
Phone No. 9199906541
Email id. sanmech2014@gmail.com



(Assist. Prof.)

Mr. Abhishek Kumar
M.Tech (IIT Guwahati)
Specialisation: Computer assisted Manufacturing
Research Interest: Modeling and experimental analysis of Friction stir welding, line heating, joining process
Phone No. +91-8859585978
Email. Id: abhisheksharma3344@gmail.com



(Assist. Prof.)

Mr. Divyaprakash
M.Tech (IIT Gandhinagar)
Specialisation: Mechanical Engineering
Research Interest: CFD, Computational Continuum mechanics, Heat transfer
Phone No. +91-7874980691
Email id.: divyaprakash.poddar@gmail.com



(Assist. Prof.)

Mr. Parag Kamal Talukdar
M.Tech (IIT Jodhpur)
Specialisation: Energy
Research Interest: Renewable energy, wind tunnel experiment
Phone No. 70029 10342
Email id: parag.kamal@gmail.com



(Assist. Prof.)

Mr. Palash Saikia
M.E (Assam Engineering College)
Specialisation: Fluid and Thermal
Research Interest: Sustainable Mfg. and Green Machining
Phone No. 84863 79002
Email id: palashsaikia53@gmail.com



(Assist. Prof.)

Mr. Tushar Ranjan Bora
M.E (Jorhat Engineering College)
Specialisation: Industrial and Production Engineering
Research Interest: Industrial and Production Engg. Optimisation
Phone No. 70029 10342
Email id: tushbora92@gmail.com

DEPARTMENTAL ACTIVITIES

DEPARTMENTAL ORIENTATION PROGRAMS FOR BE AND ME STUDENTS (2018-19)

- On August 7 and 18, Departmental orientation of first year BE students of the Department were conducted in presence of honorable H.O.D and other faculty members of the Department.



- On August 20, Orientation Program of Master in Engineering, Mechanical Engineering students was held.



TEACHER'S DAY



- On September 5, Teachers' day was celebrated in the Department organized by students of Mechanical Engineering Department.

TRAINING & WORKSHOPS

- On September 7 and 8, two days talk on "Vibration Analysis of Rotary Components using Modern Tools" Resource person: Dr. Rajiv Tiwari, Professor, Mechanical Engineering Department, IITG and Coordinator: Debarupam Gogoi and Dr. Rupanjali Nath



DEPARTMENTAL ACTIVITIES

- On September 14 and 15, two days talk on “Understanding Entrepreneurship” Resource person : Dr. Sudhanshu Verma, Professor, School of Business, Kaziranga University and Mr. Achintya Kumar Barua, Chief Program Coordinator at Indian Institute of Entrepreneurship, Kamrup, Guwahati and Coordinator: DebarupamGogoi and Dr. RupanjaliNath
- On August 18, Department of mechanical engineering organized one-day training on Moodle for department faculties members, coordinated by Dr. D. Hatibaruah.



FACULTY ACTIVITIES

- Certificate of appreciation for sincere contribution in implementing TEQIP-III as TEQIP co-ordinator has been offered to Dr. Diganta Hatibaruah during the period 2017-18.
- During July 9 to July 13, faculty members namely Dr. P. K. Mahanta, Dr. Rupanjali Nath, Dr. D K Rabha, Mr. M. Rahman, Mr. B Roy, Mr. D. Gogoi took part in TEQIP funded Faculty development program on “ACTIVE LEARNING” in IIT Madras

DR. DIGANTA HATIBARUAH
ASST. PROF. MED
TEQIP CO-ORDINATOR
JEC



- Dr. Dev Kanta Rabha, Assistant Professor of the Department helped the villagers of KURUKARNI village by helping to repair three non-functional deep well pumps under UNNAT BHARAT ABHIYAN during the period July 19 to July 24, 2018.

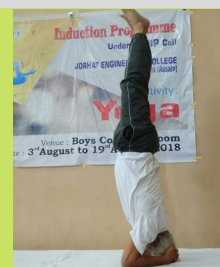
CONTRIBUTION OF FACULTY OF MED IN INDUCTION PROGRAM 2018, JEC

- On August 1, faculty members took part in Orientation Program of the college for Batch 2018-2022
- Eight faculty members became mentors of 8 groups out of total 16 groups of students of all branches of the college of Batch 2018-2022 and guided their mentees in different activities during INDUCTION PROGRAM from August 1 to August 21. They are:

a. Siddhartha Kosti	b. Dr. Jitender Kundu
c. Prince Kumar	d. Sanjeev Viswakarma
e. Dr. Rupanjali Nath	f. Dr. Dev Kanta Rabha
g. Bijay Kr. Roy	h. Debarupam Gogoi
- Also, Dr. T Nath, Associate Professor of the Department did his best as a Coordinator and Yoga Trainer to freshly admitted students of the college during the INDUCTION PROGRAM.



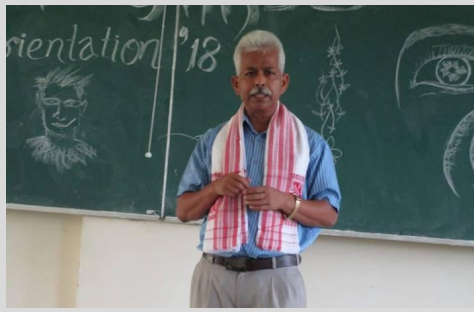
DR. T NATH
IN
YOGA POSE DURING
INDUCTION
PROGRAM



ALL THE MENTORS FROM MED WITH THEIR RESPECTIVE MANTEE GROUP (INDUCTION PROGRAM 2018-19)



- On September 9, Dr. T. Nath, Associate Professor and Mr. Ranbir Kalita, PhD scholar of the department graced the Orientation Programme of “AVANT GARDE”, the art forum of Jorhat Engineering College.



- On Engineers' Day (September 15), Dr. Jitender Kundu, Assistant Professor (TEQIP) and Mr. Ranbir Kalita, PhD scholar of the department judged the “Scrap Heap Challenge” which was organized under ISTE, JEC Chapter.



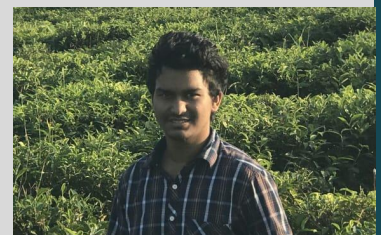
- Mr. Bijay Kumar Roy, Assistant Professor of the Department has become COORDINATOR of the Swachh Bharat Abhiyan, JEC unit and conducted various program during “Swachh Bharat Week” with the help of student group “PROYAS” and “JECSU”. Programme included Debate, painting, Street Play competitions etc. The Week ended on 2nd October'2018 with a Cleanliness Drive.

STUDENTS ACTIVITIES

- From July 24 to July 28, 20 students from 6th semester BE attended a workshop on "Hydraulic, Pneumatic and PLC in Automation" at Malnad college of engineering, Hassan under TEQIP-III training program.



- Pradipta Bharadwaz and Subhadeep Deb of the Department won 2nd prize in Quiz Competition held on September 15, on the occasion of Engineers' Day in Jorhat Institute of Science and Technology.



BEST PROJECT' 2017-18

- “Design and Fabrication of a Smart Multipurpose Nursing Bed” by P. Sarma, F. Islam, S. Roy and Miss Jeemoni Saikia under guidance of Mrs Dimpi Bora, Assistant Professor



CAMPUS PLACEMENT DURING JULY-SEP

M MOTORS

• Khitish Kr. Bora

• Ankur Sharma

• Md Forijul Hoque

A Map of JEC

PREPARED BY:

• Dr. Jitender Kundu
ASSIST. PROF. MED

• Mr. Diganta Kalita
ASSIST. PROF. MED



GLIMPSES- A QUARTERLY NEWS BULLETIN OF MED

* your suggestions are welcome *

WRITE US : med.jec.news.bulletin@gmail.com

Prep. By: Dr. Jitender Kundu
Mr. Diganta Kalita