



**Jain College of Engineering, Belagavi**

# **IMPETUS**

The Official Newsletter of TESLA & IE(I) STUDENT'S ASSOCIATION

# 2020

**DEPARTMENT  
OF  
ELECTRICAL AND ELECTRONICS ENGINEERING**

In Association with



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**TESLA & IE(I) STUDENT'S CHAPTER ELECTRICAL**

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MESSAGE FROM DIRECTOR

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*I am happy to learn that EEE Department is bringing out IMPETUS 2020. It is this kind of activity which motivates students to contribute towards the society.*

*-Prof.R.G. Dharwadkar*

MESSAGE FROM PRINCIPAL

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*I am very happy to know that the Department of Electrical and Electronics, Jain College of Engineering, Belagavi, is bringing out the magazine 'IMPETUS'-2020 this year also. I hope that this platform will bring out the hidden talent within the students. May the knowledge that spreads through this magazine cherish longer.*

*-Dr. K. G. Vishwanath*

MESSAGE FROM HOD

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*IMPETUS means a Momentum, a Thrust, a Powerful Drive. All these mean highly energetic contributions and when these are coordinated, converged, bring out innovations in every sphere of life. Engineers have an edge in this paradigm of ever-changing and challenging model /patterns, which aims to bring all value additions to a quality life. IMPETUS - I hope, is already in place, in the Department of Electrical and Electronics Engineering, by way of ongoing prestigious VGST program, Association Activates and many more. I congratulate power stuffed E & E team, on bringing out IMPETUS-2020, a Departmental Magazine, to showcase the activities/ achievements / talents of staff and students in the curricular / co-curricular fronts. It gives me immense pleasure & happiness to publish the departmental magazine "IMPETUS". I heartily congratulate the editorial board & contributors. This is another platform provided by the department to exhibit the hidden talents of our students.*

*-Dr. G H Kulkarni*

MESSAGE FROM EDITORIAL BOARD

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*It gives us immense joy and satisfaction to re-introduce our very own departmental magazine IMPE-TUS 2020. We have tried to churn out creativity from the classrooms full of talented souls. A lot of effort has been put in making this issue. This issue includes articles, poems, artworks and academic details.*

*-Dr. Tamalika Chowdhury  
Prof. Vinod Patil*





### Teachers Day

Students of Electrical & Electronics Engineering Department, Jain College of Engineering, Belagavi celebrated Teachers' day under the aegis of Department students' association TESLA & The Institute of Engineers (India).

### Engineer's Day

Students of Electrical & Electronics Engineering Department, Jain College of Engineering, Belagavi celebrated Engineers day under the aegis of Department students' association TESLA & The Institute of Engineers (India) on 14th September 2019.



### NAVYA

Inauguration marks the beginning of new term. With new hopes & wishes Department of Electrical & Electronics Engineering, Jain College of Engineering, Belagavi hosted inauguration of department students association TESLA and IE(I), on 18th September 2019 which is also followed by Fresher's Welcome



### Ayudha Pooja

Department of Electrical & Electronics Engineering, Jain College of Engineering, Belagavi performed Ayudh Pooja followed by Musical Concert under the aegis of department students' association TESLA & The Institute of Engineers (India), Student's Chapter (Electrical) on 5th October 2019.





### Film Screening and Quiz Competition

Film screening for students was arranged on 21.09.2019 by Electrical & Electronics Engineering Department, Jain College of Engineering, Belagavi under the aegis of Department students' association TESLA & The Institute of Engineers (India), students chapter (Electrical).

### Faculty Development Program

Jain College of Engineering Belagavi (JCE) organized Faculty Development Program (FDP) on "Next Generation Energy Technologies" on 12th and 13th October 2019, sponsored by TEQIP 1.3 in the Department of Electrical & Electronics Engineering, in association with VTU Belagavi. w



### 3 Day Workshop & Hands on Training

Department of Electrical & Electronics Engineering, Jain College of Engineering, Belagavi under the banner of TESLA and IE(I), organized a 3-day Hands on Training Program Using Simulation Software / Hardware for Power System Analysis and Protection, from 17th to 19th February 2020. Students, research scholars, faculties and practicing engineers from different organizations and institutes of Karnataka and Maharashtra participated in this training program.



### Blood Donation Camp

Department of Electrical & Electronics Engineering, Jain College of Engineering, under the banner of TESLA and IE(I), conducted Blood Donation Camp, in association with K.L.E.S. Dr. Prabhakar Kore Hospital and Medical Research Centre, on 13th February 2020 on the eve of Valentine's Day. Students and staff members of all departments participated in this noble cause of blood donation.





### 3 DAY ONLINE FACULTY DEVELOPMENT PROGRAM

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*Department of Electrical and Electronics Engineering, Jain College of Engineering, Belagavi organised a 3 day online Faculty Development Program (FDP) on “Trends and Challenges on Next Generation Energy Technologies” held on 10-12th June 2020. Speakers from both industry and academics delivered valuable inputs in this FDP. Delegates like Dr. Pratysa Bhui from IIT Dharwad, Dr. Chandan Kumar Chanda from IEST, Shibpur, shared their knowledge on the new age technologies.*

### ONLINE ALUMNI MEET

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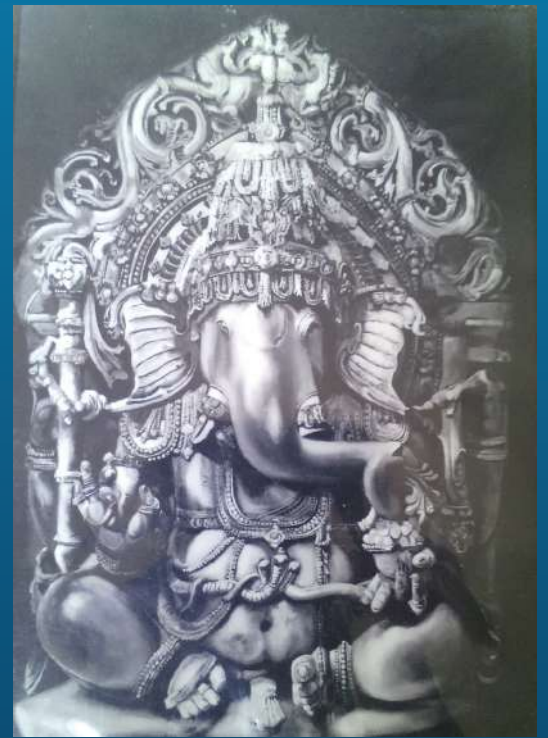
*An Online Alumni Meet was held on 26th July 2020 where graduated students of previous batches were invited to share their journey and experience as professionals to the present on going batch of students. This event conducted online enhanced the relationship between the institute and its former students. Their success stories inspired the current batches of students by this interactive session.*







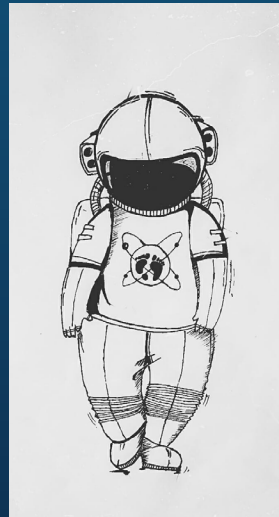
*Bharati Hadimani (4th Sem)*



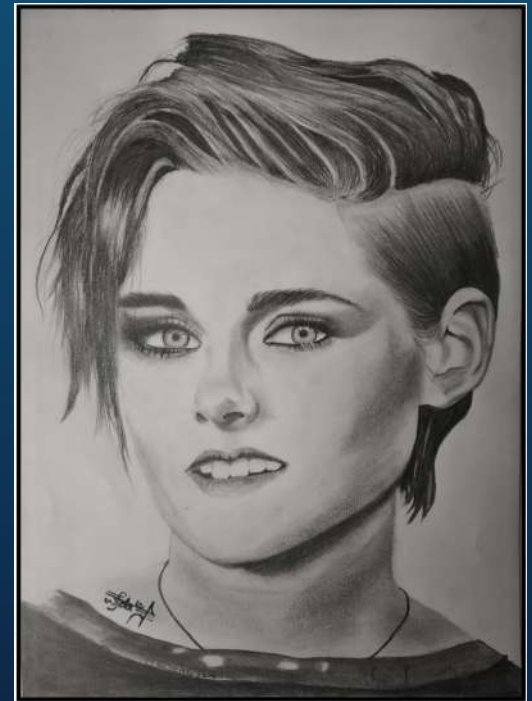
*Shridhar Badiger (4th Sem)*



*Vedadatta Kadappagol (4th Sem)*



*Santosh Sonar (4th Sem)*



*Vedadatta Kadappagol (4th Sem)*



*Kapil Dulbaji (6th Sem)*



*Santosh Sonar (4th Sem)*



*Tejashree (6th Sem)*





Mahantesh (4th Sem)



Bharati Hadimani (4th Sem)



Tejashree (6th Sem)



Varsha (6th Sem)



Varsha (6th Sem)



Saish Agarwadekar (4th Sem)



Saish Agarwadekar (4th Sem)



Swati Malwad (8 th Sem)

## MY MOTHER

*Mother O Mother!  
Why you're so beautiful  
and colourful.  
They said you're  
very orthodox and fool.  
But how come I find you  
so calm and so cool.*

*Mother O Mother!  
How those kids leave you,  
For being old and not using tool?  
How did they forget you made them  
so modern and so cool?  
But they still ended,  
Giving you piece of money,  
Ending the loan,  
Finally gifting big oldage home.*

*Mother O Mother!  
You to left your mother,  
To become my mother.  
Can you give me another  
Chance to take birth,  
From your womb and  
Make me blessed further  
and forever*

*Mother O Mother!  
I wish'd you should take care  
of me when I was younger.  
But being grown up,*

*Now I say I should be fit  
To take care of you  
Till you become older.*

*Mother O Mother!  
They worshiped the lord  
But why did they forget to worship,  
The existing god.*

*Mother O Mother!  
Believe me when you  
stand beneath the moon,  
the moon turns around you very soon.  
It shines behind your head,  
To make you goddess and,  
The nature as your bed.*

*Mother O Mother!  
I knew I can never  
Pay you for that pain,  
That you took.  
To give me birth  
and making me a good human.*

*Mother O Mother!  
The only love of you is pure.  
Mother O Mother!  
There is no one like you another.  
I am endowed to have you  
As my Mother`*

PAVAN CHALVADI  
VI SEM

## WHOLESALE ELECTRICITY MARKET

*A wholesale electricity market exists when competing generators offer their electricity output to retailers. The retailers then re-price the electricity and take it to market. While wholesale pricing used to be the exclusive domain of large retail suppliers, increasingly markets like New England are beginning to open up to end-users. Large end-users seeking to cut out unnecessary overhead in their energy costs are beginning to recognize the advantages inherent in such a purchasing move. Consumers buying electricity directly from generators is a relatively recent phenomenon.*

*Buying wholesale electricity is not without its drawbacks (market uncertainty, membership costs, set up fees, collateral investment, and organization costs, as electricity would need to be bought on a daily basis), however, the larger the end user's electrical load, the greater the benefit and incentive to make the switch*

VARSHA  
VI SEM



ಓ ಜನುಮವೇ....

ಓ ಜನುಮವೇ ಏಕೆ ಆಸೆ ಪಡುತ್ತಿಹೆ

ನಿನ್ನದಲ್ಲದನ್ನು ನಿನೇಕೆ ಬಯಸುತ್ತಿಹೆ

ನಿನಿದ್ಯಾಗಲೆ ನಿನ್ನವರು ನಿನ್ನನ್ನು ಮರೆಯುತ್ತಿಹೆ

ಸತ್ತಾಗ ಅವರಿಂದ ಏನನ್ನು ಆಶಿಸುತ್ತೆ

ಓ ಜನುಮವೇ ಏಕೆ ಆಸೆ ಪಡುತ್ತಿಹೆ!!೨!!

ಎಲ್ಲರೂ ನಿನ್ನ ಐಶ್ವರ್ಯವನ್ನು ಬಯಸುತ್ತಿಹೆ

ನಿನ್ನನ್ನು ಗೊಂಬೆಯನ್ನಾಗಿ ಮಾಡಿ ಆಟ ಆಡುತ್ತಿಹೆ

ಅಹಂಕಾರವನ್ನು ಒಳಗಿಟ್ಟು ಬೂಟಾಟಿಕೆಯ ಪ್ರೀತಿ ತೊರುತಿಹೆ

ತಮ್ಮ ತಮ್ಮ ಕಾರ್ಯಗಳನ್ನು ಅವರು ನೋಡುತ್ತಿಹೆ

ಓ ಜನುಮವೇ ಏಕೆ ಆಸೆ ಪಡುತ್ತಿಹೆ!!೨!!

ನಿಸ್ವಾರ್ಥ ಬಾವನೆಯಿಂದ ನೀನು ಇರುತ್ತಿಹೆ

ಅವರ ಬಗ್ಗೇಕೆ ನೀನು ಚಿಂತಿಸುತ್ತಿಹೆ

ನಿಜವಾಗಿ ಇಷ್ಟ ಪಡುವವರು ನಿನ್ನೊಂದಿಗೆ ಇರುವವರು

ಸ್ವಾರ್ಥ ತುಂಬಿದ ಜನರ ಬಗ್ಗೆ ನಿನೇಕೆ ಚಿಂತಿಸುತ್ತಿಹೆ

ಓ ಜನುಮವೇ ಏಕೆ ಆಸೆ ಪಡುತ್ತಿಹೆ!!೨!!

ಪ್ರಿಯಾ ಧರ್ಮರ

8ನೇ ಸೆಮಿಸ್ಟರ್

PRIYA DHARMAR  
VIII SEM

## जीवन

चालणारे दोन पाय किती विसंगत  
एक मागे असतो एक पुढे असतो  
पुढच्याला अभिमान नसतो  
मागच्याला अपमान नसतो  
कारण त्यांना माहित असतं  
क्षणात हे सारे बदलणार असतं  
याचेच नाव जीवन असतं  
याचेच नाव जीवन असतं.

TEJASHREE  
VI SEM

## मैत्री

लांबचा पल्ला गाठताना

दूर दूर जाताना.....

दुःख सारी खोडायला

नवे नाते जोडायला.....

ठेच लागता सावरायला

चुकीच्या वाटेवर आवरायला.....

मी असेन तुझ्याबरोबर नेहमीच

तुझ्या प्रश्नांची उत्तरे सोडवायला.....

TEJASHREE  
VI SEM

## A Soldier's Poem

For all the free people that still protest, You're welcome.  
We protect you and your are protected by the best.  
Your voice is strong and loud, but who will fight for you?  
No one standing in your crowd.

We are your fathers, brothers, and sons,  
wearing the boots and carrying guns.  
We are the ones that leave all we own,  
to make sure your future is carved in stone.  
We are the ones who fight and die,  
We might not be able to save the world,  
Well, at least we try.  
We walked the paths to where we are at,  
and we want no choice other than that.  
So when you rally your group to complain,  
take a look in the back of your brain.  
In order for that flag you love to fly,  
wars must be fought and young men must die.  
We came here to fight for the ones we hold dear.  
If that's not respected,  
we would rather stay here.  
So please stop yelling, put down your signs,  
and pray for those behind enemy lines.  
And then when the conflict is over and all is well,  
be thankful that we chose to go through hell.

TEJASHREE  
VI SEM

## DEPARTMENT PROFILE

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*The Department of electrical and electronics engineering (EEE) has consistently maintained an exemplary academic record. The greatest asset of our department is our highly committed, motivated and learned faculty members. Diversity of expertise of the faculty the support of other staff prepares our students to work in highly challenged global environment with moral values. M.Tech in Power System Engineering was established in the year 2014 with 24 student's intake. Our students have been selected by many of the world's leading industries and corporation. Department has received grant of 20 lakhs from Vision Group of Science & Technology under the guidance of Dr.G.H.Kulkarni. Many of our faculty and students have presented/ published number of technical papers in national and international journals / conferences*

## VISION OF THE DEPARTMENT

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*To impart quality technical education for creating competent technocrats with moral values in the field of electrical sciences to contribute for the betterment of the society*

## MISSION OF THE DEPARTMENT

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*We facilitate students to*

- Develop ability of comprehensive understanding of state of the art, knowledge in electrical engineering concepts.*
- Take up research and develop expertise in the field of electrical engineering with holistic approach for contributing to nation building*
- Ingrain the sense of creative thinking, participation and team work*

## FACULTY MEMBERS

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- Dr. G. H. Kulkarni. Ph.D., Professor & Dean Academics (Administrator)*
- Dr. Debraj Sarkar, PhD Associate Professor*
- Prof. Nagaraj R.Aiholli, M.Tech., Assistant Professor*
- Prof. Shubha B Baravani, M.Tech, Assistant Professor*
- Prof. Vinod S. Patil M.Tech, Assistant Professor*
- Prof. Vireshkumar G. Mathad, M.Tech, Assistant Professor*
- Prof. Laxmi Brungi M.Tech, Assistant Professor*
- Prof. Shidlingayya M.Chatradamath, M.Tech. Assistant Professor*
- Dr. Tamalika Chowdhury, Ph.D., Assistant Professor*



## FACULTY ACHIEVEMENTS

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- Prof. Nagaraj R.Aiholli published a paper titled "Implementation of Arithmetic unit for RNS using  $2^n + 3$  as base" - Fifth International Conference on Information and Communication Technology for Sustainable Development, ICT4SD, Panaji, India, 2020
- Prof. Shubha B Baravani received young faculty award (Honorable jury mention) in the category of 8th Faculty Branding Awards-20 by EET CRS research team.
- Prof. Shubha B Baravani has published an article titled "Power Supply in Urban Areas using Geoinformatics" in Spatial Analysis and Geospatial Technologies by Lulu Publication

## ACADEMIC ACHIEVERS

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*Mr. Siddharth Vernekar (Topper in 3rd Semester)*



*Ms. Saniya Peezade (Topper in 5th Semester)*



*Ms. Pooja (Topper in 7th Semester)*

## DEPARTMENT OFFERS

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1. *B.E. in Electrical and Electronics Engineering*
2. *M.Tech in Power System Engineering*
3. *Research Programme*