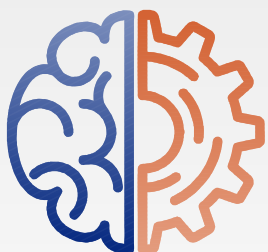




Government Polytechnic, Beed  
For Private Circulation Only

**Volume II - 2019**



# MECHZINE

Maiden Edition for Mechanical Department News Letter,  
Government Polytechnic, Beed

## PRINCIPAL'S MESSAGE



**Dr. M.R. Lohokare**  
Principal, Government  
Polytechnic, Beed

It is a great pleasure and feels honoured to be a part of the second Edition of **Mechzine**, Newsletter of Department of Mechanical Engineering. Mechanical Department is one of the multi talented and dynamic department. Government Polytechnic Beed is a pioneer institute in the field of Technical Education and has been progressing at an exponential rate since 1983. Many notable achievements have been recorded since then. The college has been unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of institute students and staff. This Newsletter MechZine, published by department of Mechanical Engineering is a medium, which will bridge the gap between achievements and publicity. Students have shown tremendous potential not only in academics but also in co-curricular and extracurricular activities. Faculties and students published technical papers in various National and International conferences. I congratulate all faculties, students and staff for their hard work in publishing this edition of **MechZine** that will represent the insight of Mechanical department. Wishing best of luck!

## HEAD OF DEPARTMENT MESSAGE

Mechzine is a platform where space is provided to show extra curricular and co curricular talents, share innovative technical views and preview past noteworthy academic events. I am pleased to know that my department is publishing second edition of Mechzine. After going through contents, I feel proud and fortunate to work with such a dynamic team of staff and students. As a leader of this team, I appreciate the efforts of editorial team and promise to cooperate for publication of forthcoming issues. Best of Luck!



**Dr. Ajay K. Waghmare**  
HoD Mechanical Department

## EX - HEAD OF DEPARTMENT MESSAGE



**Prof. Pramod M. Zarkar**  
Ex. HoD Mechanical Department

Department of Mechanical Engineering strives for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analysing the things technically of each and every individual of ever changing society through students. Department has well qualified and dedicated faculties with well-developed laboratories. The faculty aims at putting extra ordinary effort towards motivating the students in solving actual industrial problems by undertaking various projects, industrial visits and in plant training. We impart quality education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries. Our curriculum ensures local relevance with a global outlook. We believe in an education which initiates a sense of lifelong learning, leadership values and appreciation of global issues. It is a proud moment to present before you the second edition of this issue, which explores the various creative, technical and academic vistas of the students and the faculties. I wish the entire team of "**MechZine**" all the very best for their creative endeavour.

## NBA COORDINATOR'S MESSAGE

Department constantly follows the guidelines of AICTE, DTE and MSBTE. Our institute is going for NBA accreditation which will play vital role in facilitating constant quality improvement and will help the institute to know its strengths, weaknesses and opportunities. The employability of diploma graduates will be enhanced through NBA accreditation. It will give our institute a new sense of direction and identity. It is a proud moment to present before you the second edition of this issue, which explores the various creative, technical and academic vistas of the students and the faculties. I wish the entire team of "**MechZine**" all the very best for their creative efforts. Wishing best of luck!



**Prof. Umesh V. Bansode**  
NBA Coordinator

## EDITOR'S MESSAGE



**Prof. Sunil L. Kale**  
Lecturer  
Mechanical Engineering

It gives us immense pleasure to bring second issue of the Department of Mechanical Engineering Newsletter, "**MechZine**". Mechanical department constantly motivates the students to develop technical and leadership skills. We encourage them to trust in themselves and achieve great heights. In fact they can do everything if they believe in their abilities. The name and fame of an institute depends on calibre and achievements of students and teachers. This is one of the best platforms for our students to present multifaceted personalities and innovative ideas. It is the talent and outcome of our students which is reflected through this. This News Letter presents the achievements of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to our Hon'ble Principal Dr .M. R Lohokare, Dr. A. K. Waghmare HoD Mechanical Engineering, Prof. P. M. Zarkar, Ex HoD Mechanical Engineering, Prof. U.V Bansode NBA Coordinator and Prof. A.R Lolage Academic Coordinator, Prof. Agham S.K Gymkhana Vice-president for giving support and encouragement. Last not least we are thankful to all Staffs and students who had helped and kind support for Success of this Newsletter. We believe that this edition will prove to be a success.

## Alumni Meet-2018-19 organized by Government Polytechnic Beed

Government polytechnic Beed organized Alumni meet on 24<sup>th</sup> Jan 2019 on occasion of Annual Social Gathering Avishkar 2019 in the presence of Dr. M.R Lohokare, Principal Government polytechnic Beed. On this occasion more than 20 Alumni's from different fields were present. In that mainly Prof.K.B Thakur (Mech.Engg 1999) Principal Government I.T.T Rahata, Mr. Dharukar sir Entrepreneur and Contractor (Civil Engg ),Mr.Pawan Ramdasi (Mech engg 1992), Instructor Govt ITI and secretary Alumni association G P Beed,Mr.P.S Erande Instructor Govt ITI (Mech engg 1992),Mr. S.N Shende Manager G.E India pvt.ltd (Mech Engg 2015), Mr.Omprakash Sunkawar (Mech engg 1999), Mechanical Engineering departments alumni and currently working as faculties



Prof. M.N Rayate and Prof. S.L Kale ,Prof. A.S Jadhav Lecturer printing technology ,Mr.R.H Kulkarni Instructor printing technology and much more alumni's who are at higher level and from industry were present. The objective of this meet was to appreciate, felicitate and to get coordination and benefit to students learning in this institute.

On this occasion Prof.U.V Bansode Coordinator of programme introduced the guest and how our alumni's succeeded in their subsequent life and remembered about establishment and Registration of Alumini Association GP Beed which was done in previous year. Prof. S.S Shinde Workshop superintendent remembered students about the institutes previous condition and old memories of alumni's and mentioned the institute's progress from its establishment. An Inaugural speech was given by Hon. Guest Mr. Dharukar sir (Civil Engg ) Entrepreneur and Contractor. In his speech he pointed out how to behave in educational life and fulfill the expectations of parents and memorized old memories of institute and teachers, the institutes previous condition and old memories of college. Mr. S.N Shende Manager G.E India pvt.ltd told about the expectations of industry and importance of Hands on skills along with soft skills must be developed along with Theory Knowledge during educational life.



Prof.K.B Thakur (Mech.Engg 1999) ,Principal Government I.T.T Rahata told about various opportunities to engineers in Competitive examinations like MPSC & UPSC and how to do practice for competitive exams. Dr.M.R Lohokare ,Principal Govt. Polytechnic Beed in his speech told to keep their gratitude ,garnishment towards institute and institutes progress and to keep their guidance in arranging industrial visit, expert lecture of currently studying students and to aware the students about recent trends in the industry. Mr.Dharurkar, Mr.S.N Shende, Mr.Pawan Ramdasi ,Mr.Omprakash Sunkawar assured that they will give guidance and will help in campus placement, arranging industrial visits of current diploma pursuing students. For this programme senior Faculty members Prof.P.M Zarkar Head Mechanical engineering, Prof.R.P Bharate ,Head Civil Engg

, Prof.R.R Dendge Head Printing Technology, Prof. U.V Bansode, Coordinator of programme and all staff of G.P Beed and currently studying students from G.P.Beed were present.

To make programme successful Prof.U.V Bansode, Prof.S.K Agham, Coordinator of Avishkar 2019, Prof. M.N Rayate, Lecturer in mech Engg, Prof. D.G Wagh , Prof. P.D Nathe, Mr.U.U Kamalskar, Dhawale Amol, Khatake Satywan, Kaustubh Joshi had taken efforts. Prof.U.V Bansode Senior Lecturer in mech engg coordinated the programme and finally Prof. R.R Dendage, Head of Printing technology gave vote of thanks.



- **VISION Statement of the Institute**

- To make competent Engineering Professional with Ethical core values.

## Annual Social Gathering “Avishkar 2019”



Annual Social Gathering “Avishkar” was celebrated in Govt. Polytechnic, Beed with utmost vigour and enthusiasm during 24<sup>th</sup> and 25<sup>th</sup> of January 2019. On the First day Inauguration of programme was done by our Alumni Hon.guests Dharukar sir Entrepreneur and Contractor, Prof.K.BThakur (Mech.Engg 1999) Principal Government I.T.T Rahata,Mr.Pawan Ramdasi (Mech engg 1992), Instructor Govt ITI and secretary Alumni association G P Beed, Mr. P.S Erande Instructor Govt ITI (Mech engg 1992),Mr. S.N Shende Manager G.E India pvt.ltd (Mech Engg 2015) . An Inaugural speech was given by Hon. Guest Mr.Dharukar sir (Civil Engg ) Entrepreneur and Contractor. In his speech he pointed out how to behave in educational life and fulfill the expectations of parents and memorized old memories of institute and teachers, the institutes previous condition and old memories of college. Mr.S.N Shende Manager G.E

India pvt.ltd told about the expectations of industry and importance Hands on skills along with soft skills must be developed along with Theory Knowledge during educational life.Prof.K.BThakur (Mech.Engg1999) Principal Government I.T.T Rahata told about various opportunities to engineers in Competitive examinations like MPSC & UPSC and how to do practice for competitive exams.

Prof.Shinde S.S mentioned the institute's progress from its establishment. Mr Dharurkar ,Mr.S.N Shende,Omprakash Sunkawar declared that they will give job to minimum 20 students per year and memorized their old memories. Dr.M.R Lohkare,Principal Government Polytechnic Beed in their speech told to keep their gratitude ,garnishment towards institute and institutes progress and to keep their guidance in campus placement and cooperation in arranging industrial visit, expert lecture of currently studying students and to aware the students about recent trends in the industry. Various events like Dance competition, Song competition, Antakshari Competition, Quiz competition, Drama and skits were nicely and beautifully arranged activated with active support of participants in Auditorium hall in both days. Second day visualized the prize distribution ceremony in auspicious hands of Hon Guest Hon.Sudhirji Khiradkar Additional Superintendent of Police ,Beed district .He impressed a lot to students and staff of polytechnic through how to behave in educational life . In his address said that students must move away from having "crime" and told about how it affects the career. He briefed about IPC Clauses and told students to join the war against crime and criminals movements. The policeman is there to ensure peace and harmony.



Dr.M.R Lohkare delivered an attention fetching speech to address the students as well as staff, mentioning the salient features and vision of polytechnic. On this occasion prizes in Academic excellence,Sports, Dance, Songs, Drama, Rangoli and poster presentation, Quiz ,Antakshari competition on the auspicious hands of Programme Chief Guest Sudhir Hon.Sudhirji Khiradkar ,Dr.M.R Lohokare Principal G P Beed ,Prof.P.M Zarkar Head Mechanical Engg,Prof R.P Bharate Head Civil Engineering, Prof.Dendge R.R ,Prof.S.S Shinde Workshop Superintendent. Our Team of Third Year students Nagargoje Amol, Galande Narayan,Rajesh Khose,Atul Tambe got First prize in technical Quiz competition. In Flower pot presentation our second year student Swami Pratiksha got first prize.

Various events like Dance competition, Song competition, Antakshari Competition, Quiz competition, Drama and skits were nicely and beautifully arranged activated with active support of participants in Auditorium hall in both days. To Make Programme successful and Fruitful Prof.S.K Agham, in-charge of Avishkar 2019, Coordinators of events like Dance , Antakshari ,Quiz Competition ,Songs,Rangoli ,Prize distribution committee , NSS team,Sanjay Shinde General secretary student and Khatke Satyawan, Cultural secretary of event and faculties and staff members from G P Beed have taken efforts.

### • Current MISSION Statements of the Institute

- To develop laboratories for industrial practices.
- To enrich library with current literatures.
- To enhance resourceful faculties and infrastructure.
- To develop students intellectual skills with ethical understanding.

## Blood Donation Camp



Government polytechnic Beed organized a blood donation camp on 24<sup>th</sup> January 2019 in association with District Blood bank civil hospital Beed under NSS. Dr.M.R Lohokare, Principal Govt. Polytechnic Beed inaugurated the camp. Prof.M.K.Suryavanshi Coordinator NSS explained the importance of donating the blood and motivated the students to take part in this noble and social activity. Dr. Joshi sir from civil hospital Beed guided the students regarding importance of blood donation. More than 30 students voluntarily donated the blood. Staff members from G.P Beed Prof.R.P Bharate, Mr.Kalane R.D and alumni voluntarily donated the blood. Prof. M K Suryawanshi, Coordinator of camp, Prof.M.M Gaikwad, Prof.B.B.Lavhale, Devmane Sujit vice president NSS and other faculty members took efforts for success of camp.



## Health Check Up Camp



On the occasion of Annual social gathering "Avishkar", Government polytechnic Beed organized Health check up camp on 23<sup>rd</sup> January 2019 in association with District civil hospital. Dr.Randad madam District Civil hospital Beed inaugurated the camp. Dr. Randad madam guided the students regarding importance of health check up. She said it should be routine practice to have a health check up to avoid the future complications. She aware about different tests like HIV test, BP, Sugar test and told about good diet to be taken to maintain health. Along with him a team of Doctors from civil hospital consisting of Dr. Joshi sir and other staff were also present. More than 150 boys and 120 girl students took advantage of this camp. Around 101 students done HIV test and all came negative. Prof.S.K Agham in charge of Avishkar 2019, NSS Chief coordinator Prof.M.K Suryawanshi, Prof. M.M Gaikwad, Prof.A.B Bahir Madam, Prof.B.B, Lavhale, Prof.S.H Pawar, Prof.S.S Sirsavkar, Sanjay Shinde, General secretary student association, Akash Shinde, have taken efforts to make camp successful.

## Mech. Engineering Department Organized Pool Campus GE Pune

A pool campus of G E Pune for third year students was organized by department of mechanical engineering on Feb 2019. For this campus Mr.Saurabh Chaudhary H R Manager G E Pune and His colleagues Mr. Arjun Jagtap, Mr.Nandkishor Andhale were present. For this pool campus Third year students from G.P Ambad, G.P Latur, G.P Beed and G.P Jalna were present. An inaugural speech was given by Prof.U.V Bansode Lecturer Mech Engg G.P Beed introducing the guest. Mr.Saurabh Chaudhary H R GE Briefed about company, rules and regulations, products, departments, salary etc and told about the expectations of company from diploma engineers. Interviews of students were taken. From G P Beed 7 students were selected. To make programme successful Prof. P.M Zarkar Head Mech Engg, Prof. R.R Dendge, TPO Govt. Polytechnic Beed, and faculties from mechanical engineering department Prof. U.V Bansode, Prof. M.N Rayate, Prof. D.G Wagh, Mr.U.U Kamalaskar, Mr. V.D Pawar have taken efforts.

SR	Name of student	Company	Total Students
1	Surywanshi PawanSudhakar, Zanje Payal Sanjay, Doiphode Pooja Ambadas, Khatke Satywan B., Jagtap Harshada Shivaji, Mengade Shubhangi Bhara	G.E. INDIA INDUSTRIES PVT LTD.	07



Institute as well as teachers are very good. Our Principal Dr. M. R Lohkare and Head of Mechanical department Zarkar P.M always supports, motivates and guides students to do new things. Institute is one of the best where better staffs are there who constantly takes efforts to make bright future of students and to get success in life. Thanks to our institute to give proper vision to our life and making our dreams true and designing our life. Mechanical Department is one of the best department in our college. All Faculties of mechanical department provides through knowledge of subjects and teaches a lot to students for sustaining in future digital world. - Galande N. S. (ME 6G)

### • VISION Statement of MECHANICAL ENGINEERING Department

- To produce competent Mechanical Engineering Professional with Ethical core values who can contribute to the technological and socio-economic development of the Nation.



## Guest Lecture On Vibration, Causes And Ways To Reduce It And Different Mechanisms

As part of curriculum a guest lecture on “Vibration, causes and ways to reduce it and Different types of mechanism” was organized by department of mechanical engineering for third year and second year mechanical engg students on 6<sup>th</sup> March 2019. For this lecture Prof.Sunita Phadkule and Prof.Sagar Bansod ,of JSPM College of Engineering ,Hadapsar was invited. In speech of Prof.Sunita Phadkule ,She told about vibration giving general examples of vibration on day today life and explained about causes and ways to reduce vibration and told students about their institute . Prof.Sagar Bansod guided about various types of interviews, how to face interview, importance of body language, communication skills and how to develop personality. Dr.M.R Lohokare, Principal G P Beed felicitated the guest. For this programme Prof.P.M Zarkar Head Mech.Engg ,Prof. S.S Shinde Worksoop superintend, Senior lecturer Prof.U.V Bansode , Prof.A.R Lolage, Prof. M.N Rayate, Prof. S.L Kale, staffs and students from mechanical engineering department were present. To make programme successful Senior Lecturer U.V Bansode , Prof. I.T Shaikh , Mr.U.U Kamalaskar have taken the efforts.



## Industrial Visit At Deep Hyundai

As part of curriculum department of mechanical engg organized industrial visit at Deep Hyundai motors, Beed of Final year mechanical engineering students on dated 6<sup>th</sup> and 7<sup>th</sup> September 2018. Mr.Badade and Mr. Malwade from Hyundai motors guided the students and shown the various parts of automobile and their necessity .Students seen various engine models, chassis and maintenance of the automobile parts .For making visit successful and fruitful Prof.U.V Bansode, Prof. S.L Kale and Mr.U.U Kamalaskar have taken the efforts.



## Industrial Visit At Technotrak Eng. Pvt. Ltd.

As part of curriculum department of mechanical engg organized industrial visit at Technotrak Engineers , Ahemednagar leading manufacturer of Coupling for casing and tubing of Second year mechanical engineering students on dated 7<sup>th</sup> February 2018. Mr.Ashok Sonawane, Director, Technotrak Engineers and his team guided the students about machining, heat treatment and manufacturing and testing method of couplings and told about the products like API Thread casing couplings, Tubing couplings, Accessories for oil and gas industries, Roller and belt conveyors, CNC machined components, sugar industries chains etc .For making visit successful and fruitful Prof.P.M Zarkar taken the efforts.



### • MISSION Statements of MECHANICAL ENGINEERING Department

- To develop state of art facilities related to Mechanical Engineering.
- To impart quality education that serves the needs of present and to energize the technological world.

## Guest Lecture On Budding Diploma Engineers

A guest lecture on budding diploma engineers was organized by Government polytechnic Beed diploma students on dated 11<sup>th</sup> January 2019. Dr. H.P Taskar Principal Government Polytechnic, Jintur was Chief Guest. Dr. H.P Taskar sir in his speech told about challenges in budding diploma engineers. He appealed students about keeping right Attitude to make life successful in addition to Cleverness, Hard work, honest .He awaked students to think differently to solve problem. For this programme Dr.M.R Lohokare ,Princpal Govt. Polytechnic Beed ,Prof. P.M Zarkar Head Mech. Engg, Prof. R.R Dendge Head Printing technology, Prof. U.V Bansode ,faculties and students from government polytechnic Beed were present.To make programme successful Prof.R.P Bharate Head Civil Engg, Prof.U.V Bansode ,Prof.R.C Athawale, Mr.A.A Sisal, Mr.U.U Kamalaskar have taken efforts.



## Guest Lecture On “Hydraulic and Pneumatic Circuits”

An expert lecture on “Hydraulic and pneumatic circuits” was organized by department of mechanical engg of third year students on dated 8<sup>th</sup> March 2019 of Prof.Sachin Lahane Assistant Mechanical Engineering CSMSS Chh.Shahu College of Engineering Aurangabad. Prof.Sachin sir shown the different components of hydraulic and pneumatic circuit and shown the actual working of circuits by connecting different components like Pump, Motor, Hoses, Double acting cylinder, FRL unit and explained individual components functions and applications like Shaper machine, Milling machine etc. For this programme Prof. P.M Zarkar, Head Mech engg ,Prof.U.V Bansode, , Prof. A.R Lolage, Prof. M.N Rayate, Prof. S.L Kale, and faculties of department and students from third year mech.engg were present.



### मित्र

जीवाला जीव देणारा,  
कोणीतरी असावा,  
आपल म्हणून घेणार,  
कोणीतरी असाव.

वेळप्रसंगी कोणीतरी,  
आधार देणार असाव,  
कठीण परिस्थितीमध्ये,  
हात देणार कोणी असाव.

पाठिवर हात थापतुन  
लढ म्हणणार कोणीतरी असाव,  
पाठिमाग आधार म्हणून  
कोणीतरी असाव.

आयुष्य जगत असताना,  
सोबत कोणीतरी असाव.  
असा एक तरी मित्र,  
आपल्या जीवनात असावं.

### Engineering

Engineering मध्ये काय असतं ,  
Assignment,Drawing Sheet,  
Exam,Result शिवाय काही नसतं.  
Assignment म्हणजे काय असतं,  
शुद्धलेखनाशिवाय काय नसतं.  
Drawing Sheet म्हणजे काय असतं,  
काचेवरचे कोरीव काम असतं.  
Exam म्हणजे काय असतं,  
एकमेकांना मदत करण्याचे काम असतं  
Result म्हणजे काय असतं,  
पार्टिला जाण्याचे कारण असतं.  
Computer मध्ये काय असतं  
Copy Past शिवाय काही नसतं  
Electronics मध्ये काय असतं,  
Circuit Diagram शिवाय काही नसतं.  
Mechanical मध्ये काय असतं,  
Rankine Cycle शिवाय काही नसतं.

चि.बाळकृष्ण देवकुळे  
ME-6G

कु. पुजा डोइफोडे  
ME-6G

### • MISSION Statements of MECHANICAL ENGINEERING Department

- To acquire adequate and innovative processes to enhance understanding of Implementation of theoretical concepts in practical scenarios.

## Industrial Visit at ST Workshop



As part of curriculum department of mechanical engg organized industrial visit at ST Workshop, Barshi Naka Beed of Final year mechanical engineering students on dated 6<sup>th</sup> and 7<sup>th</sup> September 2018. Mr. Panhalkar sir, Manager guided the students and explained and shown the various parts of automobile and their assembly and maintenance procedure, various spare parts of automobile. For making visit successful and fruitful Prof. D.G Wagh, Prof. A.U Wavare, Prof. V.G Thigle, Prof. S.S Shinde and Mr. V.D Pawar taken the efforts.

## Final year Students of Mech. Engg Participated in Paper Presentation

Final year Students Maske Saurabh and Jadhav Satish presented a paper on “Study and uses of Refrigerant” at MGM Polytechnic Aurangabad on dated 23<sup>rd</sup> February 2019. In this paper they explained about Refrigerant and compared different refrigerant and given the uses of Refrigerant. Khatke Satyawar and Jotkar Prashant presented paper on “Green Manufacturing” which was organized at Government Polytechnic Nashik and sponsored by MSBTE on dated 7<sup>th</sup> September 2018. Also our Final year mech. engineering students Nagargoje Amol, Khose Rajesh and Tambe Atul took active participation in paper presentation at MGM Polytechnic Aurangabad on dated 17<sup>th</sup> February 2018 and presented paper on “Solar operated Car”. Dr. M.R Lohokare, Principal Government Polytechnic Beed, Prof. P.M Zarkar Head Mechanical engineering Department, Prof. U.V Bansode, Prof. S.S Shinde, Prof. A.R Lolage, Prof. M.N Rayate, Prof. D.G Wagh, Prof. A.U Wavare, Prof. S.L Kale, Prof. V.G Thigle congratulated the students.

## Final year Mech. Engg students participated in Technical Quiz Competition

Final year Mech. Engg students participated in Technical Quiz Competition on 23<sup>rd</sup> February 2019 at MGM Polytechnic Aurangabad in association with MSBTE Mumbai. A team of students comprised of Maske Saurabh, Jadhav Satish participated in this event. Prof. M.N Rayate, Prof. S.L Kale Lecturer in Mech. Engg guided the students. Participants in this event were from different polytechnic colleges from Maharashtra. Dr. M.R Lohokare, Principal Government Polytechnic Beed, Prof. P.M Zarkar Head of Department mechanical engineering, Prof. U.V Bansode, Prof. S.S Shinde, Prof. A.R Lolage, Prof. M.N Rayate, Prof. D.G Wagh, Prof. A.U Wavare, Prof. S.L Kale, Prof. V.G Thigle congratulated the students.

### • MISSION Statements of MECHANICAL ENGINEERING Department

- To forge mutually beneficial commitments with Government, Industry, Society and Alumni.





## A guest lecture on “Personality Development and Positive Thinking”

A guest lecture on “Personality Development and Positive thinking” an interactive Q&A session was organized at Government polytechnic Beed on 21<sup>st</sup> Aug 2018 of Mr. Deepak Parassani, Career Guide and Consultant Personality development. Mr. Parassani in his speech guided the students about personality development and importance of positive thinking through question and answering session and fetched attention of student's tension in exam duration and unending race. Guided about way of reaching towards success from failure and how to tackle the fear and given detail answers asked by students. To make programme successful Dr. M.R Lohokare Principal Govt Polytechnic Beed, Dr.R.G Chaudhary Head Mechanical Engg, Prof.R.P Bharate Head Civil Engg, Prof.U.V Bansode, Prof.A.R Lolage, on behalf of students, student coordinators Amol Dhavale, Joshi Sarthak have taken the efforts. Prof. A.R Lolage coordinated the programme.



### Campus Selection List of BAJAJ AUTO PUNE (Total 14 students)

Akash Udaysing Bayas, Amol Keru Nagargoje, Bobade Sujit Mahadeo, Chavan Akash Gorakh, Galande Narayan Shahadev, Gavhane Mahendra Mahadev, Jotkar Prashant Chandrakant, Khatke Satyanwan Bhagwan, Khose Rajesh Anil, Kulkarni Omkar Umeshrao, Mane Somnath Pandurang, Nikhil Budhnath Devkar, Rakh Onkar Ravindra, Surywanshi Pawan Sudhakar, Zanje Payal Sanjay

## Felicitation of Meritorious Students of Mech. Engg.

Felicitation programme of meritorious students who secured good percentage in curriculum from mechanical engg was carried out by department of mechanical engineering. From Third year Mech.Engg, Khatke Satwan ranked first securing 89.22% marks in fifth semester, Nagargoje Amol ranked second by securing 85.22% marks, Mhaske Karan ranked third by securing 83.44% marks. From Second year Kulkarni Sandip ranked first 85.66%, Joshi Kaustubh 80.23% ranked Second and Babhulgavankar Atharv securing 76.75% ranked third. From first year securing Jagtap Harshda 78.14% ranked first, Kakanale Eknath securing 75.71% ranked second and Ghule Sakharam securing 73.71% ranked third. Students secured above marks in Winter 2018 MSBTE exam. All meritorious students were congratulated, appreciated and felicitated for their grand success in curriculum by Dr.M.R Lohokare, Principal Govt. Polytechnic Beed, Prof.P.M Zarkar Head Mechanical engg, Prof.S.S Shinde Workshop superintendent, Prof.R.R Dendge Head Printing technology and faculties from mechanical engg department.



### • MISSION Statements of MECHANICAL ENGINEERING Department

- To impart quality education that serves the needs of present and to energize the technological world.

## Farewell to Final year Mechanical Engg Students

A Farewell programme of Final Year Mechanical Engg students was organized by students of Second and first year mechanical Engineering on dated 4<sup>th</sup> April 2019. An Inauguration of programme was done by Chief Guest of programme Prof.R.R Dendge, Head Printing technology by Sarswati pujan. After Inauguration students of third year were felicitated by giving Certificate and trophy by the hands of Hon. Guest Prof.R.R Dendge, Prof.P.M Zarkar Head Mechanical Engg, Prof. U.V Bansode, Prof.S,S Shinde Workshop Superintendent, Prof. M.N Rayate , Prof. S.L Kale, Prof. V.G Thigle. On this occasion Students from third year expressed their views in their progress giving gratitude to teachers. Students like Dhawale Amol, Nagargoje Amol, Maske Saurabh Khatake Satyawan , Pooja Doiphode , Omkar Chavan shared their memories during diploma engineering And how Staff of mechanical engineering improved their Academic performance and taught excellently and motivated them. Dhavale Amol Expressed his emotions through poem of Send off. Hon. Guest Prof.R.R Dendge remembered the students about huge competition in industry and whatever your goal is never divert from that. Prof. P.M Zarkar Head Mechanical Engg aware students that when they are in good position, guide the junior students. Finally Prof. U.V Bansode told whatever you are that is because of your parents, teachers etc, so never forget them. On this occasion a journey of Final year students through images prepared by Amol Dhawale third year student, was shown to all through ppt. Finally vote of thanks was given by Pokale Prasad second year mechanical engg students. On this occasion students of third, second and first year mechanical engg and staff of mechanical engg were present.

Programme was effectively coordinated by Pokale Prasad (Second Year Mech. Engg) , Ku.Akanksha (First year Mech.Engg). To make programme successful and fruitful Second year and First year Mechanical Engg students Pokale Prasad, Joshi Kaustubh, Inkar Indar , Swami Pratiksha , Prof.V.G Thigle , Prof.S.L Kale , R.K Hari have taken the efforts.



## Mechanical Engineering Department at Glance



### Third Year Batch 2018-19

From Left to Right 1) Prof.A.U Wavare 2) Prof.M.N Rayate 3) Prof.S.S Shinde 4) Prof.P.M Zarkar ,  
5) Dr. M.R Lohokare 6) Prof.U.V Bansode 7) Prof.S.L Kale 8) Prof.D.G Wagh 9) Prof.V.G Thigle .  
Standing: 1) Mr.V.D Pawar 2) Mr.U.U Kamalaskar 3) Mr.M.Z Sayyad

Campus of college is very beautiful . We actively took part in tree plantation and planted trees in our college campus. Various events are organized in department like expert lecture, industrial visit, training etc. Staff is very nice .We learned lot during three years by participating annual social gathering and gained more knowledge. Our department is very good who arranges expert lectures, visits, seminar to students of mechanical departments. Thanks to all staff members for developing me. - Doiphode P. K (ME 6G)



## G P Beed Passout Student Achieved First Rank In IES/ESE 2019 Exam



In the Exam held by UPSC for Indian Engineering Services (IES), the Govt. Poly. Beed mechanical engineering diploma pass out student Mr. Harshal Dnyaneshwar Bhosale topped the exam securing First Rank in India among all the examinees throughout the country. He achieved this success in his first attempt. He has completed his diploma in mechanical engineering from Govt. Polytechnic Beed in year 2012-13. After that he completed his B.Tech in Mechanical Engg from Government College of engineering Karad. Then he completed one month training in Bhabha Atomic Research centre. He was also selected in Oil and Natural gas Corporation, Pune. In the month of January 2018 he gave IES Prequalifier Exam, IES Main Exam was conducted in June 2018 and given Interview in September 2019 and result was declared on 25th October 2019. Success story of Mr. Harshal Bhosale is very prideful and motivating for all students. Harshal comes from Farmers background. When he was 5 years old, his father passed away from the world, after that his mother stand behind him and promoted him to complete his education. For his Grand success institute's Principal Dr. M.R. Lohokare, Head of Mechanical Engg. Department Dr. A.K Waghmare, Mechanical department's faculty members Prof. P.M Zarkar, Prof. U.V Bansode, Prof. A.R Lolage, Prof. S.S Shinde (WS), Prof. M. N Rayte, Prof. D.G. Wagh, Prof. A. U Wavre, Prof. S. L. Kale, Prof. V. G. Thigle and All staff members of G P Beed, Congratulates and appreciates success of Mr. Harshal Bhosale and give him best wishes for his upcoming bright future.

## Mechanical Department Staff Published paper in ICRTME 2019

Department of Mechanical Engg Staff Prof. S. S. Shinde, Prof. D. G. Wagh, Prof. A. U. Wavare presented and published a paper on "Enhancing Wear Resistance of Copper Tin Alloy" at Pravara College of Engineering, Pravaranagar Loni, Dist. Ahmednagar on dated 22nd February 2019. An international conference on Recent trends in Mechanical engineering. The Objective of Experimentation was to find out the mathematical relationship between specific pressure, Sliding Velocity, Sliding distance, Sliding time and the amount of wear for phosphor bronze and its composites. In this paper they explained about the tribological properties of metal matrix Composites (MMCS) is of interest in several applications like bearing, Sleeves, Worm gear, Piston and cylinders, Aircraft brakes etc. the wear behavior of unreinforced as well as Sn particles reinforced Phosphor bronze alloy composite material is studied as function of Sliding speed and applied loads under unlubricated conditions. A pin on disc wear testing machine was used to evaluate the wear rate in each En 31, Steel disc was used at the counter face. This paper was published in ICRTME 2019 an International Journal.

Dr. M. R Lohkare, Principal government polytechnic beed, Prof. P.M Zarkar Head of Department mechanical engineering, Prof. R. P. Bharate Head Civil Engg Prof. U. V. Bansode, congratulated the Authors.

### MoU List of Mechanical Department

S.N	NAME OF COMPANY	NAME OF PROPRIETOR	DURATION
1	DISHA AUTO COMPONENT PVT.LTD AURANGABAD	MR.SANTOSH LADDA	3 Years
2	SAGAR INDUSTRIES AURANGABAD	MR.SAGAR WADGAONKAR	3 Years
3	YASHASWI ACADEMY FOR SKILLS	MR.BHAGIRATH JOSHI	5 Years
4	PAGARIYA AUTO PVT.LTD,BEED	MR.CHANDRAKANT THOMBARE	3 Years
5	RAJ HONDA SERVICE CENTRE,BEED	MR.SHINDE GORAKH	3 Years
6	S.T DIVISIONAL WORKSHOP MSRTC,BEED	MR.PANHALKAR SIR	3 Years
7	ASIM ENGG.WORKS,BEED	MR.BABA SHETH	3 Years
8	SAGAR FABRICATION & SPRAY PAINTING,PANGRI ROAD BEED	MR.BABA SHETH	3 Years
9	AKASH ENGG.WORKS,BEED	MR.BABA SHETH	3 Years
10	SHRADHA AUTOMOBILES,BEED	MR.CHANDU SUPEKAR	3 Years
11	SARTHAK HERO HONDA CARE,BEED	MR.AMOL JADHAV	3 Years
12	SAIDARSHAN HERO HONDA SERVICE CENTRE,BEED	MR.DASHRATH UGALE	3 Years
13	SHRI SANGAMESHWAR AUTOMOBILE SERVICE CENTRE BEED	MR.KALYAN KALE	3 Years

### Staff Training of Mechanical Department

S. N	Name of staff completed the training	Topic	Venue
1	Mr.P.M Zarkar	Personality Development	Government Polytechnic Ratnagiri
2	Mr.U.V Bansode	Quality Assurance through Accreditation	Government Polytechnic Karad
		Advancement in Automobile Engineering IOT Based Awareness training	Government Polytechnic Pune PLGP,Latur
3	Mr.S.S Shinde	Institutional Autonomy	NITTTR Extension Center ,Pune
		Promoting Industry Institute Integration through ICT	Government Polytechnic,Beed
		Core and Advanced teaching skills and Assessment methods	NITTTR Extension Center ,Pune
4	Mr.M.N .Rayate	Learning Management System	Government Polytechnic,Usmanabad
		Institutional Autonomy	NITTTR Extension Center ,Pune
5	Mr.D.G Wagh	Promoting Industry Institute Integration through ICT	Government Polytechnic,Beed
		Open Source Technology	PLGP,Latur
6	Mrs.A.U Wavare	Counselling and Career Guidance	NITTTR Extension Center ,Pune
		CNC Programming and CNC Tooling	CIPET Aurangabad
7	Mr.S.L Kale	CNC Programming and CNC Tooling	CIPET Aurangabad
		Stress Management	NITTTR Extension Center ,Pune
8	Mr.V.G Thigle	Induction Phase-I	Government Polytechnic Amaravati
		Promoting Industry Institute Integration through ICT	Government Polytechnic,Beed
		Induction Phase-II	Government Polytechnic, Aurangabad
		Open Source Technology	PLGP,Latur

I am proud to be part of this collage. The college has great environment for study. I learned many things of three years of college life. College is more concerned about students. We have gained more knowledge and freedom to study and we participate in various events. I have more memories in my life happened in this collage. Every day was best day in my life. I am proud of being student of this collage. I would like to thank all the teachers of Mechanical Department for their hard work and sincerity to teach students and make them perfect in life. I do not think I would have gained freedom and knowledge than this anywhere else. Department has encouraged me for innovative ideas and design. - Dhavale Amol (ME 6G)



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**First Year**  
 CR - Sarda Prathmesh, WCR - Joshi Shantanu

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