M.B.M. Engineering College, Jodhpur

Jai Narain Vyas University, Jodhpur (Rajasthan)

Vision of the Institution

"To be a leading educational institute that provides quality technical education and conducts research to produce knowledge-rich professionals for meeting the dynamic needs of the industry and society".

Mission of the Institution

"To impart quality technical education to the students to make them globally competent engineers, contributing to the development of the nation and world at large".

"To imbibe ethical values, scientific and industrial temperament, and spirit of innovation among students".

About MBM

MBM Engineering College is one of the oldest Engineering colleges in India. Established on 15th August 1951 by the government of Rajasthan, the college boasts of its high academic & technical standards.

Considered as the pioneering Technical Institution of the State, it offers a gamut of courses both at PG and UG level. The college is committed to providing its students with an education that combines rigorous academic study and developing a far more ambitious, integrated and influential environment that will best serve the nation.

Presently the MBM Engineering College, now also named as the Faculty of Engineering & Architecture, which is a total of 11 Departments runs under Jai Narain Vyas University (JNVU). The JNVU formerly known as University of Jodhpur. University of Jodhpur was established in 1962.

Faculty

The faculty of MBM engineering college is highly qualified who have obtained their degrees from leading technical institutions in India and abroad. The contribution of the faculty members from their respective departments has been significant to the country's growth in science and technology, being members of various international and national conferences and seminars of utmost importance. Besides research work the faculty members have over 20 years of experience in teaching graduate as well as post graduate students. The talented teachers have established competence and have authored number of books in their fields of specialization. Late Prof. M.L. Mathur, Former Vice Chancellor, Dean & Head of Mechanical Engineering Department is the author of more than 15 technical course books for engineering students.

Students

A graduate degree program at MBM compounded by a comprehensively devised course structure, highly advanced laboratories and most importantly the experience of research faculty is a perfect platform for students to enhance their technical skills. Our students spent over 3 months in industry as part of their Practical training. This exposes them with real life applications of their course work and acquaints them with a professional working environment. Over the years our students have continuously proved their mettle in various competitive examinations like IES, GATE, GRE our students are involved in a broad range of volunteer activities in the community. Outside of the classroom, active participation in self-developing clubs, staff organizations and management groups help students to groom their over-all personality.

Remarkable Achievements

Multimedia Research Centre (EMMRC), Jodhpur a production and research centre for educational films for UGC-CWCR, has received national recognition for its contribution in the field of electronic media. The Centre is fully funded by the University Grants Commission and it is an organization with well-equipped studio and highly trained staff. The TANDEM Computer is available only in this university in North India which is unique in the entire country. This is a parallel online architecture used by entire faculty. The cost of system is Rs.300.00 Lacs.

The Computer Science and Engineering Department has collaboration with IBM USA for training. National/international recognition of the faculty member of IE(I); ACM(USA); IEEE (USA).

Dean (Faculty of Engineering & Architecture)

Prof. Srikant Ojha

Message from Dean

My association with this college goes back a long way. It has been a source of great pride and joy to watch the M.B.M fraternity grow and expand into vast family over the past five decades. An experience and committed faculty and zealous and diligent students have ensured that the M.B.M engineering college always stayed as one of the premier institute in the field of engineering and technology.

I extend you a cordial invitation to visit our campus for recruitment. I assure you that you will not only benefit from interaction with our wonderful fraternity but also enjoy the unique hospitality and Rich culture of this legendary city of Rao Jodha.

Department of Mechanical Engineering (ME)

Vision of the Department

"To provide quality technocrat compatible with global standard in the field of mechanical engineering who can contribute to society through innovations, entrepreneurship & sustainable development".

Mission of the Department

"To impart highest quality in fundamentals, technical knowledge & scientific education to the learners to make them globally competitive mechanical engineers".

"To promote liaison with world class industries & educational institutions for excellence in teaching, research & consultancy practices".

"To make students, life-long learners, ethically and technically capable to build their careers in terms of professions and personality".

About the Department

Department was established in year 1952 to impart quality education in the area of MECHANICAL ENGINEERING. This course has high demand in various industries. The department has well equipped Internal Combustion (IC), Automobile, Instrumentation & Control, RAC, Steam, Technical Dynamics, Fluid Mechanics (FM), Heat and Mass Transfer (HMT), Solar Panel House, ANSYS, CAD/CAM, Industrial Engineering, Production Engineering, Metrology, Workshop, Product design and Development Laboratories. The

department has specialization in Thermal Engineering, Design Engineering, Production & Industrial Engineering, Supply Chain Management, Performance Measurement, Information Systems, Solid Mechanics, Structural Design.

Mechanical engineering is an engineering branch that combines physics and mathematics principle with materials science to design, analyse, manufacture, and maintain mechanical systems. The mechanical engineering field requires an understanding of core areas including mechanics, dynamics, thermodynamics, material science, structural analysis and electricity. In addition, mechanical engineers use tools such as computer-aided design (CAD), computer-aided manufacturing (CAM), and product management to design and analyse manufacturing plants, industrial equipment and machines, heating and cooling systems, transport systems, aircraft, aero-space, watercraft, robotics, medical devices, weapons and etc. The branch of mechanical engineering involves the design, production, and operation of machinery.

Mechanical engineering draws upon the principles and methods of engineering analysis and synthesis, as well as mathematical, physical and social sciences together with the principles and methods of engineering analysis and design to specify, predict, and evaluate the results to be obtained from such systems. Mechanical engineering is a course which equips a person with the vital technical, analytical and managerial skills required for production & management of time, labour, and resources in industry for it to run successfully.

Courses (Mechanical Engineering)

Course	Stream
B.E.	Mechanical Engineering (since 1952)
M.E.	**1.** Thermal Engineering (since 1967) **2.** Production & Industrial Engineering (since 1967) **3.** Design Engineering (since 1967)
Ph.D.	Doctor of Philosophy (Ph.D.) in Mechanical Department is also running (since 1969)

Sanction Intake for UG and PG Program

S.No.	Programme Name	Number of students
1.	UG – Mechanical Engineering (B.E. – Bachelor of Engineering)	60 + 3 (TFWS)
2.	PG – Specialization in Thermal Engineering (M.E. – Master of Engineering)	18 (Full time) + 1 (Part time)
3.	PG – Specialization in Production & Industrial Engineering (M.E. – Master of Engineering)	12 (Full time) + 13 (Part time)
4.	PG – Specialization in Design Engineering (M.E. – Master of Engineering)	7 (Part time)

Program Educational Objectives (PEOs)

PEOs 1	Fundamental knowledge in science, mathematics, and engineering so as to comprehend, analyse and design the mechanical engineering related real life problems.
PEOs 2	Specialized area of mechanical engineering such as thermal, design, production & industrial engineering with focus on research & entrepreneur innovation to train students for successful professional career.
PEOs 3	Exhibit communication, team work & project management skills in their professions & communities.
PEOs 4	Research & development with strong professional, moral & ethical values.

Program Outcomes (POs) & Program Specific Outcomes (PSOs)

Program Outcomes:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes:

PSO1: To empower the students to understand the basic concepts of mechanical engineering. In addition to this, application of theoretical and practical skills to solve complex mechanical engineering problems with the use of advanced software tools to arrive at appropriate and cost-effective solutions.

PSO2: To develop entrepreneurship skills compatible with industrial readiness and can pursue higher studies in mechanical engineering or interdisciplinary programs with the concern for sustainable development of society and high retard of ethical values.

Faculty Members of the Department

1.	**Dr. Dinesh Shringhi (Head of Department)** **Professor** **Email: hodmech@jnvu.edu.in** **Contact Number: +91-9413957457**		
2.	**Dr. Rajat Bhagwat** **Professor** **Email: rajat_bhagwat@hotmail.com** **Contact Number: +91-9413957457**	3.	**Dr. S.K. Singh** **Professor** **Email: sukusi@gmail.com** **Contact Number: +91-9461088853**
4.	**Dr. P.M. Meena** **Professor** **Email: pmmeena@gmail.com** **Contact Number: +91-9413664597**	5.	**Dr. Manish Bhandari** **Assistant Professor** **Email: manishbha78@gmail.com** **Contact Number: +91-9413509699**
6.	**Dr. Kailash Chaudhary** **Assistant Professor** **Email:** k.chaudhary.mech@jnvu.edu.in **Contact Number: +91-9829081113**	7.	**Dr. Emarti Kumari** **Assistant Professor** **Email: embhaskar.mech@jnvu.edu.in** **Contact Number: +91-9313532249**
8.	**Mrs. Abhilasha Chaudhary** **Assistant Professor** **Email:** **abchoudhary.mech@jnvu.edu.in** **Contact Number: +91-7715954864**	9.	**Mrs. Anita Kuradiya** **Assistant Professor** **Email: anita.kuradiya@gmail.com** **Contact Number: +91-9521233720**
10.	**Mr. Amit Meena** **Assistant Professor** **Email: amit08310004@gmail.com** **Contact Number: +91-8058593597**	11.	**Mr. Sandeep Yadav** **Assistant Professor** **Email: ydv.sndp3004@gmail.com** **Contact Number: +91-9001385963**
12.	**Mr. Pradeep Kumar** **Assistant Professor** **Email: pkmech1992@gmail.com** **Contact Number: +91-9462425726**	13.	**Mr. Ravikant Mordia** **Assistant Professor** **Email: ravi.mordia@gmail.com** **Contact Number: +91-7742067254**
14.	**Mr. Tarun Sachdeva** **Assistant Professor** **Email: tsachdeva06@gmail.com**	15.	**Mr. Kantilal Solanki** **Assistant Professor** **Email:** teqip.kanti.me@jnvu.edu.in

	teqip.tarun.me@jnvu.edu.in **Contact Number: +91-8279633624**		**Contact Number: +91-7753058440**
16.	**Mr. Narendra Singh** **Assistant Professor** **Email:** teqip.narendra.me@jnvu.edu.in **Contact Number: +91-7062310361**	**17.**	**Mr. Arun Kumar** **Assistant Professor** **Email:** teqip.arun.me@jnvu.edu.in arunrao74@gmail.com **Contact Number: +91-9540828949**
18.	**Mr. Ankit Dev** **Assistant Professor** **Email: adevmechii@gmail.com** **teqip.ankit.me@jnvu.edu.in** **Contact Number: +91-9411191120**	**19.**	**Mr. Amit Dixit** **Assistant Professor** **Email: amitpandit.dixit@gmail.com** **Contact Number: +91-9039003034**
20.	**Mr. Alok Vats** **Assistant Professor** **Email: teqip.alok.ee@jnvu.edu.in** **Contact Number: +91-9549945298**	**21.**	**Mr. Hitesh Patel** **Assistant Professor** **Email: hit2424@gmail.com** **Contact Number: +91-9723343727**
22.	**Mr. Jagmohan Singh Rao** **Assistant Professor** **Email:** **teqip.jagmohan.me@jnvu.edu.in** **Contact Number: +91-9167783057**	**23.**	**Mr. Amit Singh Rathore** **Assistant Professor** **Email:** **teqip.amitrathore.me@jnvu.edu.in** **Contact Number: +91-8218879531**
24.	**Mr. Rajendra Guneja** **Assistant Professor** **Email: rajenderucertu@gmail.com** **teqip.rajender.me@jnvu.edu.in** **Contact Number: +91-7062953044**	**25.**	**Mr. Chandrapal Singh Inda** **Assistant Professor** **Email: cpsinghinda@gmail.com** **Contact Number: +91-9799975345**

*****All Faculty profiles are presented in ANNEXURE 1 (Page No. – 22)

Academic Structures (B.E.)

- Gas Dynamics & Gas Turbines
- Power Generation
- Heat and Mass Transfer
- Production & Operation Management
- Automobile Engineering
- Facilities Location and Layout Planning
- Non-conventional Energy Resources
- Dynamics of machinery
- Internal Combustion Engines
- Hydraulic Machines
- Manufacturing Technology
- Operation Research
- Refrigeration & Air Conditioning
- Foundry & Welding
- Fluid Mechanics
- Machine Design
- Kinematics & Dynamics of Machines
- Engineering Thermodynamics
- Material Technology
- Mechanics of Solids
- Mathematics
- Kinematics of Machines
- Mechanical Measurements & Instrumentation
- Mechanical Vibrations
- Metal Cutting & Metrology
- Industrial Engineering
- Dynamics of Machines
- Organization & Management
- Finite Element Method

Academic Structures (M.E.)

Thermal Engineering

- Thermodynamics
- Fluid Mechanics
- Turbomachines
- Heat and Mass Transfer
- Mathematical Methods in Engineering
- Experimental Methods in Fluid and Thermal Sciences
- Direct Energy Conversion
- Air Conditioning
- Refrigeration Engineering
- Finite Element Methods in Mechanical Engineering
- Non-Conventional Energy Resources

Production & Industrial Engineering

- Work Study and Ergonomics
- Operation Research
- Metal Cutting
- Metal Cutting and Modern Machining
- Mathematical Methods in Engineering
- Design Planning and Control of Production Systems
- Material Technology
- Computer Aided Manufacturing
- Reliability and Maintenance
- Finite Element Methods in Mechanical Engineering

Design Engineering

- Theory of Machines
- Tribology
- Theory of Vibrations
- Fluid Mechanics
- Theory of Elasticity and Plasticity
- Mathematical Methods in Engineering
- Computer Aided Graphics and Design
- Material Technology
- Finite Element Methods in Mechanical Engineering
- System Design and Analysis

Facilities

1. Workshop

A well-equipped separate workshop is available with various shops e.g. Fitting, Carpentry, Welding, Forging, Foundry, Machine etc. Lathe machines, Centre & capstan lathe, Vertical/horizontal Milling machines, Shaper and planer with attachments, Open hearth furnace, Power hacksaw, Drilling machine, Bend saw machine, Wood turning lathe, Grinding machine, Wall chain mortising machine, Surface & thickness planar, Cutter machine, Speedy moisture tester, Compressor shear strength machine, Diesel and cupola furnace, AC welding Transformer, Tool makers microscope, etc.

2. Thermal engineering Laboratories

(I.C. Engines lab.)

Four stroke 4-cylinder Maruti suzuki Swift Dzire petrol engine test rig, 4-Stroke 2-cylinder Kirloskar diesel engine, Fiat 1100cc petrol engine test rig, Opposed piston Junker's diesel engine test rig, Cooper Diesel Engine, Variable compression ratio (VCR) petrol engine, Two stage reciprocating air compressor test rig, Orsat apparatus, Spark laser stroscopic gun, Bosch smoke meter. Rolls-Royce Dart turbo-propeller type aero engine with Sectioned combustion chamber.

(Automobile lab.)

Cut sectioned of Tata, Ashok Leyland, Kirloskar, Moris oxford, Bajaj scooter and CRDI engines,

Dismantled Fiat car engine, working models of 4S/2S/ petrol/diesel engines, Models for power-transmission system e.g. Clutch, Gear box, Universal joint, propeller shaft, Final drive gears, differential gear box, rear axle shaft and axle housing etc, braking system, Steering system. Working models for firing order of four-cylinder engine, Pensky Maartin's fire point and flash point apparatus, Redwood viscometer.

(Refrigeration lab.)

Vapour compression cycle refrigeration systems e.g. domestic refrigerator, water cooler with its components and accessories, vapour compression cycle refrigeration test rig, window type one-ton air conditioner, 600 kg ice plant and its accessories, Electrolux refrigerator, vortex tube, Sectioned hermetically sealed compressor. Aspirating Psychrometer for RH measurement.

(Steam lab.)

Working Marcet boiler with pressure and temperature measurements, Nestler horizontal fire tube boiler, Cradley vertical boiler, Models of Locomomotive and Babcock & Wilcox boilers, steam engine and Thermek turbine, combined separating and throttling calorimeter.

3. Fluid Mechanics and Machines Lab.

Bernoulli setup, Venturi meter, Orifice meter, Friction coefficient apparatus, minor losses setup, Metacentric height setup, Vertical falling ball viscometer, Rectangular and triangular notch apparatus, Reynolds apparatus, Pelton and Francis Turbine setups. Wind Tunnel and air blower.

4. Heat and Mass Transfer Lab.

Thermal conductivity of insulating powder (cylindrical and spherical geometry), Newton's law of cooling apparatus, Natural convection apparatus, Forced convection apparatus, Electrical analogue plotter apparatus, Pin fin apparatus, Parallel and Counter flow Heat exchanger.

5. Computer Laboratory

(ANSYS/MATLAB/CAD/CAM)

Well-equipped computer laboratory with 25 Intel I7 processor Dell Desktops and 6 Intel Zeon processor Fujitsu workstations with online UPS and softwares e.g. Autodesk AutoCAD (Academic version - free), ANSYS 18.2 (License), MATLAB 17.0 (License).

6. Dynamics lab

A well-equipped laboratory with whirling of shaft apparatus, Gyroscope, 6" Schlieren system, Belt drives, Vibration apparatus, Governors- Watt's, Porter, Proell, Hartnell, various mechanisms e.g. four-bar chain, rocker-arm mechanism, etc.

7. Instrumentation lab

Optical pickup and Magnetic pickups for non-contact speed measurement, linear variable differential transformer (LVDT), Strain gauge setup for cantilever beam, Thermocouple, Thermistor, RTD, Digital temperature indicator, disappearing filament optical pyrometer.

8. FMS Lab.

Model of star mill CNC machine, Model of CNC, etc.

9. Department Library

The department library consisting of over 1000 books, M.E. thesis and seminar reports which can be accessed by members of department and students.

Research Project

Name of the Teacher	Title of the Project	Funding Agency
Dr. Dinesh Shringhi	"Generation of tribological data for various material pairs under water lubrication pin-on-disc machine for construction of wear maps and wear modelling".	BARC
Mr. Pradeep Kumar **Mr. Alok Vats**	"Development of HVOF Coatings on Al alloy composites for impeller blades in centrifugal pumps."	TEQIP III
Mrs. Abhilasha Chaudhary **Mr. Sandeep Yadav**	Heat transfer enhancement in photovoltaic thermal collector using twisted tapes coupled with geothermal energy	TEQIP III

Events Organized

1. Two days Workshop **on MATLAB for beginners** (22 – 23 January, 2020) was Organized by Dr. S.K. Singh, Dr. Kailash Chaudhary, Dr. Emarti Kumari and Mr. Kantilal Solanki.
2. **AICTE Seminar on Technical Teachers Training Policy, Its Implementation and AICTE Quality Initiatives** (01 November, 2019) was Organized by Dr. Rajat Bhagwat.
3. Two days workshop on **Design and Fabrication of ATV (0**6-07 April, 2019**) was** Organized by Mr. Tarun Sachdeva, Mr. Hitesh Patel, Mr. Kanti Lal Solanki and Ms. Shristee Chuahan.

Development Activities in The Department

1. **Lecture Theatre:** New lecture theatre was inaugurated by Prof. Srikant Ojha, Dean of faculty of Engineering & Architecture, 19th January 2019, Capacity of 100 students, Installed with Digital podium.

2. **Conference Room:**

3. **New Computer System Purchased:** For laboratory development, New 25 computer systems were purchased under TEQIP-III funding in 2019.

4. **Upgradation of IC Engine laboratory:** New IC 4- Stroke petrol engine test rig was purchased under TEQIP-III funding in 2020.

5. **Smart Class Room:** Digital Smart boards were Installed in computer lab and M47.

6. **Concrete Block Flooring in Department.**



7. **Induction Program Organized for III semester students**

Achievements of our students

1. Sport (basketball) bronze medal at Jai Narain Vyas University, Jodhpur.


2. Participants in International Conference on Advanced and Futuristic Trends in Mechanical and Materials Engineering at IIT Roper (05-07 December 2019).


3. Anchoring and Poetry recitation by B.E. IInd year students at M.B.M. engineering college, Jodhpur (during Induction Programme of B.E. Ist Year).


4. Students organised a technical fest at M.B.M. Engineering College, Jodhpur.

एमबीएम इंजीनियरिंग कॉलेज में
स्टूडेंट्स बनाएंगे एयरो मॉडल्स

15 से 17 अप्रैल तक, वार्षिक तकनीकि–उत्सव इनोवरियस 2.0 का आयोजन

डॉक्युमेंट्री बनाने की प्रतियोगिता

कई खेल भी खेंगे

तकनीकि का महत्व

5. Participation at National and State level in Sae-Baja-2019.

6. NEI IDEA Factory, Project title on Hyper physical use of AI in HVAC system.

The Potential Importance of Mechanical Students:

Our students have opportunity to works in many areas (like): *Managements, R&D, designers, inspector, ERP, MRP, CAD/CAM/CAE, Robotics, Rapid prototyping, Advanced*

manufacturing, Welding, Casting (Foundry), Process Planning, Machine tool design, Analytical tool design for decision making etc.

Student Participation and Activities

Year Cultural	Name of the award/ medal	National/ International	Sports	Cultural	Student ID Number	Name of the student
2020	NA	International	Quiz	-	-	Prashant Singh
2019	Silver Medal	National	NPTEL	-		Sanidhya Jain
2019	1st Position	National	Tug of Bots, IIT Jodhpur	-		Chirag Mehra
2018	NA	National	Handball	-		Ajaypal Singh
2018	1st Position	National	CozmoClench, IIT Bombay	-		Chirag Mehra

Students Placement Details Last Five Year

Placement 2017-18

S.No.	No. of Student's Placed	Name of Company
1.	01	Vedanta
2.	01	R K Group
3.	01	ESIC
4.	01	ISRO
5.	02	RRBVNL

Placement 2018-19

S.No.	No. of Student's Placed	Name of Company
1.	06	JSW Steel Ltd, Dolvi
2.	02	Solar Industries India Limited
3.	02	Ambuja Cement
4.	01	GA Infra Pvt Ltd
5.	04	Havells
6.	01	NBC CK Birla Group
7.	01	FIITJEE

Placement 2019-20

S.No.	No. of Student's Placed	Name of Company
1.	01	Cairn India

2.	**07**	**Vedanta**
3.	**03**	**Solar Industries India Limited**
4.	**01**	**Allen Career Institute**
5.	**01**	**Eran Innovations, LPP**
6.	**01**	**J K Cement**
7.	**01**	**JSW Steel Ltd**

Status regarding students pursuing higher studies

S.No.	Student Name	College name
1.	**Laxman Singh**	**IITD**
2.	**Mayank Lahary**	**MNITJ**
3.	**Rajhans Meena**	**MNITJ**
4.	**Mukesh Rangi**	**MNITJ**
5.	**Himanshu Jangir**	**MNITJ**
6.	**Prerna Bugaliya**	**BITS**
7.	**Suresh Kamal**	**MBM**

ANNEXURE 1

Faculty Profiles (Research Interests, Publications, Int. and National Conferences, Extracurricular and Other Activities).

❖ Dr. Dinesh Shringhi

- **Research Interests -** Production and Industrial Engineering, SCM, Composites Materials.
- **A. Publications in International Refereed Journals**

1. Concurrent Optimization of Manufacturing and Design Tolerances for Shaft-Bearing Assembly, International Journal of Innovative Research and Studies, 1 (2), 2013.
2. Analysis of New Non-Traditional Tolerance Stack-up Conditions, International Journal of Engineering Research and Applications, 2013.
3. Simultaneous optimal selection of design and manufacturing tolerances for Knuckle joint using SA-PS algorithm, International Journal of Mining, Metallurgy & Mechanical Engineering (IJMMME), 1 (2), 2013.
4. Formulation of Comprehensive Business Model for Future Logistics Foray as a Third-Party Logistic Player for Warehouse Services, IOSR Journal of Engineering (IOSRJEN), 3 (4), 2013.
5. Investigation of Enablers of Sustainable Supply Chain Management using ISM, International Journal of Engineering and Advanced Technology (IJEAT), 2014.
6. Optimization of Angular Orientation of Composite Laminates, International Journal of Research in Technology and Engineering, 2014.
7. Analysis of Composite Beam under Multiple Boundary Conditions. International Journal of Enhanced Research in Science Technology & Engineering (IJERSTE), 3 (4), 2014.
8. A thermo-mechanical analysis on fibre reinforced composite by Numerical Method, International Journal of Research in Technology & Engineering, 3 (4), 2014.
9. Mechanical Properties Characterization of Natural (Coir Based) Fiber Polymer Composite by Numerical Methods, International Journal of Research in Technology & Engineering, 3 (4), 2014.
10. A Systematic Approach of multi-level agent in FMS for Plant Automation as per the Future Requirements, Emerging trends of Research in applied science and Computational Techniques, 2014.

11. A systematic Approach of simulation modelling in FMS as per the Future Requirements, Emerging trends of Research in applied science and Computational Techniques, 2014.

12. Stress Analysis on Fibre Reinforced Composite Beam by Numerical Method, International Journal of Research in Technology & Engineering, 3 (3), 2014.

13. Facility Layout Optimization Using Simulation: A Case Study of a Steel Utensils Industry, International Journal of Advance Engineering and Research Development (IJAERD), 2016.

14. CFD Based Thermal Efficiency Analysis of Solar Air Heater with Smooth Plate & Perforated Plate, Imperial journal of Interdisciplinary Research, 3 (2), 2017.

15. A study on Life cycle Assessment, Novel approaches in Science Engineering & Technology, 2017.

16. A Review of Development and Finite Element Modeling Of Thermo-Mechanical Behavior of Nanoparticle Reinforced, International Journal of Advances in Arts, Sciences and Engineering (IJOAASE), 2018.

17. A Review of Fabrication, Characterization and Mathematical Modeling For Desire Responses During Machining Of Aluminum, International Journal of Advances in Arts, Sciences and Engineering (IJOAASE), 2018.

18. Review on Fabrication of Aluminium Metal Matrix Composite, Universal Research Reports, 5 (5), 2018.

❖ Dr. S.K. Singh

Research Interests – Experimental Fluid Mechanics and Heat Transfer, Optical techniques for fluid flow, Computational Fluid Dynamics and Heat Transfer using Ansys, Vortex dynamics of various geometries, Refrigeration and Air-conditioning, HVAC design, Thermal management using PCM.

Research publications

➢ A. International Journals

1. "Effect of buoyancy on the wakes of circular and square cylinders: A schlieren-interferometric study," Experiments in fluids, Vol. 43(1), pp. 101-123, 2007.
2. "Schlieren investigation of the square cylinder wake: Joint influence of buoyancy and orientation," Physics of fluids, Vol. 22, pp. 054107(1-18), 2010.

3. "Influence of rounding corners on unsteady flow and heat transfer around a square cylinder," International Journal on Mechanical Engineering and Robotics (IJMER), Vol.-3, Issue-5, pp. 6-12, 2015.
4. "Effect of aiding buoyancy on the wake characteristics of a semi-circular cylinder," International Journal of Applied Engineering research, Vol.-10, No. 78, pp. 99-103, 2015.
5. "Effect of orientation on fluid flow and heat transfer characteristics of an equilateral triangular cylinder," International Journal of Innovative Research in Science, Engineering and Technology, Vol.4, special issue 12, September 2015, pp. 23-29, 2015.
6. "A Review of unsteady flow and heat transfer around a triangular bluff-body", International Journal of Innovative Research in Science, Engineering and Technology, vol. 6, issue 12, 2017.
7. "Effect of thermal buoyancy on the wake behaviour of a triangular cylinder: A review", International Journal of Innovative Research in Science, Engineering and Technology, vol. 6, issue 12, 2017.

- **B. National journals**

1. "A Schlieren-interferometric Study of Wakes of Heated Cylinders," Kiran, A Bulletin of Indian Laser Association, Vol. 20, No.2, pp. 34-39, 2009.

- **C. International Conferences**

1. "Study of buoyancy induced suppression of cylinder wake instability using schlieren-interferometry," FEDSM2007-37174, vol. 1, pp. 1495-1502, Proceedings of 5th Joint ASME/JSME Fluids Engineering Summer Conference, San Diego, California, USA, July 30- August 02, 2007.
2. "Schlieren-interferometric study of the wake of a heated square cylinder subjected to in-line oscillations," HMTC08-EXM-6, Proceedings of 19th National & 8th ISHMT-ASME Heat and Mass Transfer Conference, JNTU, Hyderabad, January 3-5, 2008.
3. "Flow structures from a heated circular cylinder subjected to in-line oscillations," pp. 548-557, Proceedings of Second International Symposium on Recent Advances in Experimental Fluid Mechanics, K.L. College of Engineering, Vijayawada, March 3-6, 2008.
4. "Wake behaviour of a circular cylinder under combined influence of buoyancy and transverse oscillation: A schlieren-interferometric study," Paper no.348, pp.754-766, Proceedings of 13th International Symposium on Flow Visualisation and 12th French Congress on Visualisation in Fluid Mechanics, Nice, France, July 1-4, 2008.

5. "A numerical study of vortex shedding suppression around a 45^{o} oriented square cylinder under the influence of aiding buoyancy," Proceedings of International Conference on Advances in Civil and Mechanical Engineering Systems (ACMES-2014), Government College of Engineering, Amravati, India, December 23-24, 2014.
6. "Numerical simulation of mixed convection flow past a circular cylinder subjected to low amplitude transverse oscillation," Proceedings of International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEE-2015), National Institute of Technology Warangal, India, March 20-21, 2015.
7. "Numerical investigation of flow structures and heat transfer from an inline oscillating circular cylinder," Proceedings of 4th International Conference on Advance Trends in Engineering, Technology and Research (ICATETR-2015), Bal Krishna Institute of Technology, Kota, India, June 19-20, 2015.
8. "A numerical study of mixed convection flow past a circular cylinder with inline oscillation," Proceedings of 4th International Conference on Advance Trends in Engineering, Technology and Research (ICATETR-2015), Bal Krishna Institute of Technology, Kota, India, June 19-20, 2015. **(Best paper Award)**
9. "Effect of aiding buoyancy on the wake characteristics of a semi-circular cylinder", International Conference on Emerging Trends in Mechanical and Industrial Engineering (ICETMIE-2015), Department of Mechanical Engineering, ITM University, Gurgaon, India, July 18, 2015.
10. "Influence of rounding corners on unsteady flow and heat transfer around a square Cylinder", International Conference on Innovative Research in Engineering Science, Information & Communication Technology (ICREICT-2015), Lala Lajpat Rai Institute of Engineering &Technology, Moga and Institute of research and development, India, July 30-31, 2015.
11. "Effect of orientation on fluid flow and heat transfer characteristics of an equilateral triangular cylinder", International Conference on Emerging Trends in Mechanical Engineering (ICETME-2015), Department of Mechanical Engineering, Toc H Institute of Science and Technology, Ernakulam, India, September 3-5, 2015.
12. "A Numerical study of buoyancy-aided mixed convection flow around a triangular cylinder", International conference on "Recent Innovation and Trends in Engineering, Technology and Research" (ICRITETR-2017)", Poornima College of Engineering, Jaipur (India), 23-24 Dec-2017.

➢ **D. National Conferences**

1. "Schlieren study of buoyancy effect on the wake of a heated circular cylinder," Proceedings of 32nd National Conference on Fluid Mechanics and Fluid Power, Osmanabad, 15-17 December, 2005.
2. "Effect of buoyancy on the wake of a circular cylinder: A schlieren-interferometric study," NCRSME2007-26, pp. 150-155, Proceedings of National Conference of Research Scholars in Mechanical Engineering, IIT Kanpur, 23-24 March, 2007.
3. "Numerical analysis of unsteady flow and heat transfer around a trapezoidal cylinder", National Conference on Advances in Mathematical Sciences and Applications in Engineering & Technology, Poornima University, Jaipur, India, July 25-26, 2015.

❖ Dr. P.M. Meena

Research Interests –Thermodynamics, renewable energy, solar panel, refrigeration and air-condition.

➢ **A. List of Successfully Guided Research Students**

S. No.	Name of the Student	ME/ M Tech/PhD	Status
1.	Neeraj Vyas	PhD	**Completed**
2.	Manju Choudhary	**ME/ M Tech**	**Completed**
3.	Mitesh Ishwarlal Patel	**ME/ M Tech**	**Completed**
4.	Sunil Inkia	**ME/ M Tech**	**Completed**
5.	Mahendra Kumar Khatri	**ME/ M Tech**	**Completed**
6.	Anand Pannusa	**ME/ M Tech**	**Completed**
7.	Shrawan Singh Naruka	**ME/ M Tech**	**Completed**
8.	Kush Verma	**ME/ M Tech**	**Completed**
9.	Krishna Kumar Purohit	**ME/ M Tech**	**Completed**
10.	Khooshabu Singh	**ME/ M Tech**	**Completed**
11.	Sarjeet Singh Roy	**ME/ M Tech**	**Completed**
12.	Bhagirath Lal Meena	**ME/ M Tech**	**Completed**
13.	Tapasvi Gehlot	**ME/ M Tech**	**Completed**
14.	Aruna Sirvi	**ME/ M Tech**	**Continuing**
15.	Devendr Kr Jhanjhawat	**ME/ M Tech**	**Continuing**
16.	Chandrakant	**ME/ M Tech**	**Continuing**
17.	Rahul Sharma	**ME/ M Tech**	**Continuing**
18.	Santosh Agrawal	**ME/ M Tech**	**Continuing**
19.	Jyoti Verma	**ME/ M Tech**	**Continuing**
20.	Aditya Agrawal	**ME/ M Tech**	**Continuing**

➢ B. Details of Paper Publications

S No	Title	Where published	Date, month, year & Page No.
1.	Solar Collector with Integrated Heat Storage	Patent Filed, No PCT - 2088	Indian Patent filed on 2014.06.17, pp 1 - 40
2.	Experimental Investigations on Single Slope Double Basin Active Solar Still Coupled with Evacuated Glass Tubes	International Journal of Advanced Engineering Research and Studies (E-ISSN – 2249 – 8974)	2011, vol 1 no 1, pp 1 – 6
3.	Effect of Dye on Distillation of a Single Slope Active Solar Still Coupled with Evacuated Glass Tube Solar Collector	International Journal of Engineering Research and Applications (ISSN – 2248 – 9622)	2011, vol 1 no 3, pp 456 – 460
4.	Viability of Thermal Energy Storage Integrated with Evacuated Glass Tube Solar Air Heater for 30 to 300^{o}C	Solar energy society of India, (ISSN: 0970 – 2466)	2011, vol 21 no1 & 2, pp 87 - 108
5.	Alternative Sources of Energy: A Review	International Journal of Engineering and Technical Research (ISSN: 2321 – 0869)	June 2014, vol 2 (6), pp 164 – 169
6.	Development of Low Cost Light Weight Modular Evacuated Glass Tube Solar Collector for 250 to 300^{o}C Ambient Air Heating	Elsevier's Solar Energy	Submitted to Elsevier's Solar Energy Journal with due corrections after review on 2014.03.05
7.	Parametric Study of Different Solar Distillation Systems: A Review	Elsevier's Renewable and Sustainable Energy Reviews	Renewable and Sustainable Energy Reviews
8.	Bio-Diesel: The Indian Perspective	International Journal of Mathematics, Science, Technology and Management (ISSN – 2319 – 8125)	2013, vol 1 no 1, pp 6 – 10
9.	Review paper on Effect of Dust on Solar Parabolic Trough Collector	International Journal of Innovative Research in Engineering & Management (ISSN: 2350 – 0557)	2016, vol 3 no 3, pp 249 – 254
10.	Review Paper on Optimizations of Thermoelectric System	International Journal of Innovative Research in Engineering & Management	2016, vol 3, (4), pp 259 - 263
11.	CFD simulation of thermoelectric generator installed on waste heat recovery system	International Journal of Renewable Energy Technology	
12.	Computational Fluid Dynamics Simulation on Vortex Tube: A Review	Imperial Journal of Interdisciplinary Research	May 2017, vol 3 (5), pp ISSN: 2454-1362

13.	Thermal Energy Storage in Sensible Materials: A Review	International Journal of Advance Research, Ideas and Innovation in Technology	Nov-Dec 2017, vol 3 (6), pp
14.	Cooling Mechanism for Pulsating Heat Load using PCM: A Review	International Research Journal of Engineering and Technology	Jan 2019, vol 6 (1), pp 56-72, ISSN:12395-0056
15.	Review of Six Sigma DMAIC Methodology	International Journal of Advance Research in Engineering Science & Management	May 2017, vol 4, (5), pp 259 – 263
16.	Performance Enhancement of Solar Dryer: A Review	International Journal of Emerging Technologies and Innovative Research	July-2019
17.	Performance Enhancement of Solar Still: A Review	International Journal of Emerging Technologies and Innovative Research	ISSN:2349-5162, Vol.6, Issue 6, pp 283-290 May-2019
18.	Cooling Mechanism for Pulsating Heat Load using PCM: A Review	International Research Journal of Engineering and Technology	**e-ISSN: 2395-0056 Volume: 06 Issue: 01 | Jan 2019**
19.	Theoretical Analysis of Cooling Mechanism for Pulsating Heat Load	International Journal of Research in Engineering, Science and Management	January, 2019

- **C. List of Attended Refresher Courses / STTP / FDP**

S No	Sponsored	Name of the Institution	Topic	From	To	Duration
1.	Electronics & ICT	MBMECJ, MNITJ, NIT P, IIITDM-Jablpur,	Python Programming with Industry Perspective	Dec 2	Dec 6, 2019	ONE Week
2.	TEQIP-III	IIT, Bombay	Active Learning	June 4	June 08, 2018	ONE Week
3.	CEP-TEQIP-II	MNIT, Jaipur	Advanced Applications of Matlab in Engineering	Nov 23	Nov 27, 2015	ONE Week
4.	CEP-TEQIP-II	SVNIT, Surat	Matlab Fundamentals	July 6	July 10, 2015	ONE Week

5.	CEP-TEQIP-II	SVNIT, Surat	Computational Fluid Dynamics: Theory and Practice	June 15	June 19, 2015	ONE Week
6.	CEP-QIP	IIT Bombay	Integrated Navigation of Flight Vehicles	July 8	July 12, 2013	One Week
7.	CEP-QIP	IIT Bombay	Micro/Nano Tribology	Jan 1	Jan 5, 2007	One Week
8.	AICTE/ISTE	IIT Bombay	Air Conditioning System Design	Feb 2	Feb 6, 2004	One Week
9.	CEP-QIP	IIT Roorkee	Noise Emission From Diesel Engine	Dec 22	Dec 26, 2003	One Week
10.	AICTE/ISTE	MBMEC, JNVU, Jodhpur	Recent Advances in Solar Energy Technologies	Dec 23, 2002	Jan 4, 2003	TWO Week
11.	AICTE/ISTE	CTAE, MPUAT Udaipur	Information Technology in Context with Food Engineering	June 10	June 23, 2002	TWO Week
12.	AICTE/ISTE	CTAE, MPUAT Udaipur	Entrepreneurship Development in Non-conventional Energy Sources	June 19	July 1, 2000	TWO Week
13.	AICTE/ISTE	GNDEC, Ludhiana	Non-conventional Refrigeration & Cryogenic Technology	July 21	August 03, 1999	TWO Week
14.	AICTE/ISTE	HBTI, Kanpur	Reliability and Safety in Process Industries	Sept 28	Oct 10, 1998	TWO Week
15.	TEQIP-III	IIT Delhi	Agribusiness Planning & Project Appraisal Techniques	Dec 3	Dec 8, 2018	ONE Week
16.	NITTTR Chandigarh	MBMEC Jodhpur	CAD Using Solid Works through ICT	Mar 11	Mar 15, 2019	ONE Week
17.	RGNIYD/ MYAS-GOI	KNC JNVU Jodhpur	Right to Information	Jan 15	Jan 17, 2019	ONE Week
18.	TEQIP-III/ Mentoring/Twinning	GEC-Bikaner NIT Kurukshetra	Environmental Crisis and Sustainable Development	July 01	July 05, 2020	ONE Week

➢ D. Seminars, Conferences, Symposia etc. in which Paper Presented

S. No.	Name of the Seminar/Conference/Symposia/ Workshop etc.	Name of the Sponsoring Agency	Place	Date
1.	National Symposium on "Frontier of Molecular Science & Technology" (FMST-2015)	TE-QIP-II	MNIT - Jaipur	Dec 5-6, 2015
2.	International Conference on Advances in Energy Research (ICAER-2007)	AICTE	IIT Bombay	Dec 12 - 14, 2007
3.	International Conference on "Exploring the Potential of Convergence" (ICST – 2015)	SRMS	SRMS - CET, Bareilly, UP, INDIA	Feb 27 – 28, 2015
4.	National Conference on "Technology for Sustainable Mining" (TSM – 2015)	Mi-Engineers' Association, India	Mi- Engg Dept, JNVU, Jodhpur	Feb 13 -14, 2015
5.	National Seminar on "Emerging Trends in Chemical Science" (NSETCS – 2015)	UGC	Dept of Chemistry JNVU, Jodhpur	March 13 - 15, 2015
6.	International conference ICONRER - 2017		SKIT Jaipur	FEB 2-4,2017
7.	International Conference RITDME - 2018		JECRC, Jaipur	APRIL 6-7, 2018

➢ E. Attended Workshops, Symposia etc.

S. No.	Name of the Seminar/Conference/Symposia/ Workshop etc.	Name of the Sponsoring Agency	Place	Date
1.	Virtual Baja SAEINDIA 2010 "Snappy Dragon"	SAE INDIA	India Habitat Centre, Delhi	July 2 - 3, 2010
2.	Virtual Baja SAEINDIA 2010-11	SAE INDIA	India Habitat Centre, Delhi	Feb 13-14, 2010
3.	Virtual Baja SAEINDIA 2018	SAE INDIA	Chitkara Univ Punjab	July 13-14, 2018
4.	SAEINDIA Northern Section EFFI-CYCLE – 2015	SAE INDIA	KIET, Ghaziabad, Delhi	July 4 - 5, 2015

5.	SAEINDIA Infinity Incorporation EFFI-CYCLE – 2015	SAE INDIA	LPU, Punjab	Oct 15 - 18, 2015
6.	SAE-INDIA Collegiate Club Certificate 2017 – 18	SAE Collegiate Club	SAE Chennai	Oct 15 - 18, 2017
7.	Matsya Jayanti Sah-samman Samaroh Utkrishth Seva Praman - Patra	MVS, Jodhpur	MVS Jodhpur	Mar 14, 2018
8.	Students Induction Programme	TE QIP-III	Pacific Univ Udaipur	July 12 – 14, 2018
9.	Emerging Trends in Chemical Science (NSETCS – 2015)	UGC	ICS Kolkata & Chemistry Dept JNVU	Mar 13 – 15, 2015
10.	National Seminar on "Highlights and Significance of Rashtriya Uchchatar Shiksha Abhiyan" (HSRUSA-2014)	VMSM, Delhi	MBM Engg College, JNVU Jodhpur	Feb 1, 2014
11.	Computer Integrated Manufacturing	AICTE	PI Engg Dept, JNVU Jodhpur	Feb 2-3, 2012
12.	Renewable Energy Community Development and Showcase Workshop-2006	RENET	IIT Bombay	Sept 21 – 22, 2006
13.	RETScreen International Training Seminar	Clean Energy	IIT Delhi	May 18, 2004
14.	Equity Action Plan	NPIU – MHRD	SPCE Bombay	Nov 27, 2018
15.	Right to Information	GOI-MHRD	KNC Jodhpur	Jan 15 -17, 2019
16.	Equity: Achievements and Challenges in India	NPIU – MHRD	COEP, Bombay	Mar 15 - 17, 2019

- **F. Invited Lectures, Chairmanship or Presentations at National / International conferences/ Seminars etc.**

Academic Year	Title of the Lecture	Title of Conference/ Seminar etc.	Organizing institute	Whether International/ national	APl Score
Dec 5 – 6, 2015 (2015–16)	Development of Sensible Thermal Energy Storage	Frontiers of Molecular Science & Technology	MNIT - Jaipur	National Symposium	Dec 5, 2015

Oct 3 – 4, 2019 (2019–20)	Pollution Control Technologies & Sustainable Development	Pollution Control Technologies & Sustainable Development	MNIT - Jaipur	National Conference	Oct 3-4, 2019

➢ **G. Expert/Advisor in Selection Committees**

S No	Institute / Organization where Conducted the Selection Process	Posts etc.	Organizing institute	Scheduled on	APl Score
1.	Rajasthan Public Service Commission, Ajmer	Polytechnic Lecturer (ME)	RPSC, Ajmer	Feb 01 - 02, 2017	
2.	Indian Institute of Technology, Jodhpur	Junior Engineer (Civil)	IIT Jodhpur	Feb 4- 6, 2012	
3.	Indian Institute of Technology, Jodhpur	Non-Academic (Technical)	IIT Jodhpur	Dec 1, 2011	
4.	Indian Institute of Technology, Jodhpur	Technical Review	IIT Jodhpur	July 12, 2016	
5.	Indian Institute of Technology, Jodhpur	Junior Asstt and Junior Superintendent	IIT Jodhpur	Dec 9- 10, 2015	

❖ **Dr. Manish Bhandari**

Research Interests – Design engineering, advanced materials, functionally graded materials, Composites.

➢ **A. Publications in International Refereed Journals**

1. Thermomechanical Solutions for Functionally Graded Beam Subject to Various Boundary Conditions, International Journal of Emerging Trends in Engineering Research, 2020.
2. Effect of Thermal and Thermomechanical Load on Strain in Functionally Graded Material Plate for Varying Aspect Ratio under Constant and Variable Thermal Environment, International Journal of Emerging Trends in Engineering Research, 2020.
3. MODE FREQUENCY ANALYSIS OF TURBOMACHINE BLADE, International Journal of Advance and Innovative Research, 2019.

4. Test-pack management system, International Journal of Academic Research and Development, 2018.
5. Vibrational Analysis of FGM Plates-A Critical Review of Various Solution Methods and Modelling Techniques, Vibrational Analysis of FGM Plates-A Critical Review of Various Solution Methods and Modelling Techniques, Volume: 04 Issue: 10, 2017.
6. Vibrational Analysis of FGM Plates-A Critical Review of Various Solution Methods and Modelling Techniques, International Research Journal of Engineering and Technology (IRJET), 2017.
7. Response of Functionally Graded Material Plate under Thermomechanical Load Subjected to Various Boundary Conditions, International Journal of Metals (Hindawi Publishing Corporation), 2015.
8. Static Response of Functionally Graded Material Plate under Transverse Load for Varying Aspect Ratio, International Journal of Metals (Hindawi Publishing Corporation), 2014.
9. Static Analysis of Functionally Gradient Material Plate with Various Functions, Research Journal of Recent Sciences, 2014
10. Comparison of Deflection of Functionally Gradient Material Plate Under Mechanical, Thermal and Thermomechanical Loading, International Journal of Engineering Research & Technology, 2013.
11. Determination of Natural Frequency of Aerofoil Section Blades Using Finite Element Approach, Study of Effect of Aspect Ratio and Thickness on Natural Frequency, Engineering journal, 2013.

- **B. Conference and Seminars**

1. ‘Application of nanotechnology in tribology’ presented at the National conference on Application of nanotechnology, JECRC, Jodhpur, Dec. 2007
2. ‘Hydrodynamic lubrication of diesel engine journal bearing’, presented at the All India seminar on Advances in tribology and maintenance, MITM, Indore, Dec2007.
3. ‘Piston ring tribology: a review’, presented at all India seminar on Advances in tribology and maintenance, MITM, Indore, Dec2007.
4. ‘Nanotechnology in tribology’, presented at all India seminar on Advances in tribology and maintenance, MITM, Indore, Dec2007.
5. “Technology and long-distance leadership” presented at National conference on “Emerging trends in IT, impact on industry and education.” JIET, Jodhpur, March,2008

6. “Technology & Leadership Begins with The Individual” presented at National conference on “Technology and leadership” JIET, Jodhpur, March, 2008
7. Attended National conference on “Emerging trends in IT, impact on industry and education JIET, Jodhpur, March,2008
8. “Energy-Environment Linkages –A Review” presented at National conference on “Energy and sustainable development” JIET, Jodhpur, March, 2010.
9. “Financial return on human capital” presented at National conference on “Human resources – challenges” JIET MBA, Jodhpur, February 2011
10. “Modeling and simulation of gas turbine blade cooling” presented at National conference on “Advances in CIM-II” MBM Engg. college, Dept. of P&I, March 2012.
11. “Computational techniques for evaluation of thermomechanical properties of functionally graded materials” presented at National conference on “Advances in Mechanical Engineering” MIT, Dept. of Mech.Engg., Mandsaur in association of CSIR, Nov. 2012.
12. “Computational study of heat transfer losses in film cooling of gas turbine blades” presented at National conference on “Fluid mechanics and fluid power” SVNIT, Dept. of Mech.Engg., Surat Dec. 2012.
13. “Functionally Graded Material Plate Subject to Thermomechanical Loading: A Review” presented at international conference on “Emerging trends of research in applied sciences and computational techniques” JIET, Jodhpur February 2014.
14. “Possible application of FGM (Functionally Graded Materials)” presented at International Conference on “Emerging trends of research in applied sciences and computational techniques” JIET, Jodhpur February 2014.
15. “Comparison of functionally graded material plate with metal and ceramic plate under transverse load for various boundary conditions” presented at National Conference on “Advances in technology and applied sciences” JIETSETG, Jodhpur March 2014.
16. “Thermomechanical analysis of FGM and metal beam for rectangular and I-section” presented at International conference on “Recent trends in mechanical and manufacturing engineering” DME, Vivekanand group, Jaipur in association with Indian foundry organization (IFO) April 8-9, 2016.
17. “A review on Computational Study of Heat Transfer Losses in Film Cooling of Gas Turbine Blades” ICNASET | February 24-25, 2017Madhav University, Sirohi (Rajasthan), India International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-6, Issue-NASET17, February 2017.

- **C. Short Term Training Programs and Workshops**

1. FDP on "Faculty development program" by ICFAI University, 3 Nov. 2004.
2. STP on "Bearing Technology and Maintenance" held and organized by IIT, Roorkee, 3-6 Dec., 2008.
3. International workshop on "Vibrations and Noise: Issues and Challenges" under the aggies of SIDA (Swedish International Development Cooperation Agency) and European Commission, 17 Dec., 2008.
4. STP on "Active learning workshop: pedagogy and research" held and organized by IIT, Bombay, 4-8 June, 2018.
5. STP on "First course in computational fluid dynamics: development, application and analysis" held and organized by IIT, Bombay, 25-29 June, 2018.

6 STC on "Safety aspects of storage, handling and transportation of petroleum products", held and organized by MNIT Jaipur, 7-11 Jan. 2019

7 STP on "Recent trends in automobile technology through ICT" Conducted by NITTR, Chandigarh and organized by MBM engg college Jodhpur, 25 Feb 19 to 1 March 2019.

8 STC on "CAD using solidworks through ICT" Conducted by NITTR, Chandigarh and organized by MBM engg college Jodhpur, 11-15 March 2019.

9 STC on "Significance, securing and sustainability (S3) of externally funded research projects in higher education institutes (HEIs)", held and organized by IIT Indore, 16-21 Dec. 2019.

10 One day workshop on "3-D printing and reverse engineering" held and organized by MBM Engg. College, Jodhpur, 2 May 2019.

- **D. Book and Book Chapter Publications**

1. Computational Solutions for FGM Plates under Thermo-Mechanical Loads, LAMBERT Academic Publishing, 978-3-659-97333-8.

2. Mode frequency analysis of aerofoil blade: A finite element approach, LAMBERT Academic Publishing, 978-620-2-06879-6.

3. Factors affecting vibration characteristics rolling element bearing, LAMBERT Academic Publishing, 978-620-2-07524-4.

- **E. Extra-Curricular and Other Activities**

1. Expert lecture delivered on “Maintenance management” at DRDO Jodhpur Sep.2019.
2. Expert lecture delivered on “Maintenance management” at DRDO Jodhpur. Nov. 2019.
3. Member of Design committee as an expert at DRDO Jodhpur, 2019.

➢ **F. Developmental activities**

1. Member of AICTE committee since 2018.
2. Member of examination committee, 2017.
3. SLA student survey conducted by TEQIP, 2017
4. SLA student survey conducted by TEQIP, 2019
5. Member of Purchase committee, Library 2020
6. NBA coordinator, 2020.
7. NAAC coordinator at departmental level, 2020.

❖ Dr. Kailash Chaudhary

Research Interests – Design Optimization and Advance Manufacturing Methods.

➢ **A. Publications in International Refereed Journals**

- **SCI (Science Citation Index) Journals**

1. Chaudhary K., Chaudhary H., 2015, “Optimal Dynamic Balancing and Shape Synthesis of Links in Planar Mechanisms”, *Mechanism and Machine Theory*, 93, pp. 127-146. **Impact Factor: 2.577**
2. Chaudhary K., Chaudhary H., 2014, “Dynamic Balancing of Planar Mechanisms using Genetic Algorithm”, *Journal of Mechanical Science and Technology*, 28 (10), pp. 4213-4220. **Impact Factor: 1.128**
3. Chaudhary K., Chaudhary H., 2015, “Optimal Design of Planar Slider-crank Mechanism Using Teaching-learning-based Optimization Algorithm”, *Journal of Mechanical Science and Technology*, 29(12), pp. 5189-5198. **Impact Factor: 1.128**
4. Chaudhary K., Chaudhary H., 2016, “Optimal Dynamic Design of Planar Mechanisms using Teaching-learning-based Optimization Algorithm”, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 230(19), pp. 3442-3456. **Impact Factor: 1.015**
5. Alok S., Chaudhary K., Guha A., 2020, “A Study on Critical Order of Joints With Clearances And Its Effect on Kinematic Performance of Multiloop Planar Mechanisms”, accepted in *Sadhana: Academy Proceedings in Engineering Sciences*, accepted Feb 2020. **Impact Factor: 0.842**

- **Non-SCI Journals**

1. Chaudhary K., Chaudhary H., 2015, "Dynamic Balancing and Link Shape Synthesis of Slider-crank Mechanism for Multi-cylinder Engines", *International Journal of Mechanisms and Robotic Systems*, 2(3), pp. 254-275. ISSN: 2047-7252. Inderscience Publishers, Switzerland.
2. Chaudhary K., Chaudhary H., 2015, "Shape Optimization of Dynamically Balanced Planar Four-bar Mechanism", *Procedia Computer Science*, 57, pp. 519-526. ISSN: 1877-0509.
3. Chaudhary K., Chaudhary H., 2014, "Optimum Balancing of Slider-crank Mechanism using Equimomental System of Point-masses", *Procedia Technology*, 14, pp. 35-42. ISSN: 2212-0173.
4. A Study on Critical Order of Joints with Clearances and Its Effect on Kinematic Performance of Multiloop Planar Mechanisms", Sadhana: Academy Proceedings in Engineering Sciences, 45:126.
5. Shaking Force and Moment Balancing in Mechanisms - A Review, International Journal of Current Engineering and Scientific Research, 2017.
6. Fatigue Life Improvement by Shot Peening, International Journal of Creative Research Thoughts, 2017.
7. Effectiveness of Shot Peening Process in Wide Range of Applications, International Journal of Creative Research Thoughts, 2017.
8. Design Optimization of Planar Mechanisms, International Journal of Engineering and Techniques, 2017.
9. A Comparative Study of Arc Welding and Resistance Welding Processes, Journal of Emerging Technologies and Innovative Research, 2017.
10. Importance of Controlling Parameters in Shot Peening Process, Journal of Emerging Technologies and Innovative Research, 2017.
11. Shape Optimization of Planar Mechanisms, International Journal of Advance Research, Ideas and Innovations in Technology, 2017.
12. Role of Pollution Control Equipment in Shot Peening Machines, International Journal of Engineering Development and Research, 2017.
13. Application of Equimomental System of Point Masses for Dynamic Balancing of Mechanisms, International Journal of Scientific Engineering and Research, 2017.
14. Shape Optimization of Slider-crank Mechanism, International Journal of Latest

Technology in Engineering, Management and Applied Science, 2017.

15. A Case Study on Data Mining Application in Manufacturing Industries, International Journal of Emerging Trends and Technology in Computer Science, 2017.
16. Optimum Design of Mechanism - A Review, International Journal of Engineering Science Invention, 2017.
17. Methodology of Optimal Link Shape Synthesis of Planar Mechanisms, International Journal for Research in Applied Science and Engineering Technology, 2017.
18. Optimization Techniques for Engineering Design, International Journal for Research in Applied Science and Engineering Technology, 2017.
19. A Study on Effect of Various Process Variables in Gas Metal Arc Welding, International Journal on Future Revolution in Computer Science and Communication Engineering, 2017.
20. Life Cycle Analysis in Manufacturing Industry – A Case Study, International Journal of Scientific Research in Science, Engineering and Technology, 2017.
21. A Study on Metal Transfer Mechanism in Gas Metal Arc Welding, International Journal of Scientific Research in Science, Engineering and Technology, 2017.
22. A Review on Advance Welding Processes, International Journal of Engineering and Techniques, 2017.
23. Process Capability and Parametric Analysis of Abrasive Jet Machining, International Journal of Futuristic Trends in Engineering and Technology, 2017.
24. A Study on Process Capability and Parametric Analysis of Abrasive Flow Machining, International Journal of Futuristic Trends in Engineering and Technology, 2017.

- **B. Book and Book Chapter Publications**

1. Chaudhary H., Chaudhary K., 2015, "Design of Reactionless Mechanisms Based on Constrained Optimization Procedure" in *Dynamic Balancing of Mechanisms and Synthesizing of Parallel Robots*, chapter 11, pp. 273-298. Published by Springer International Publishing, Switzerland. ISBN 978-3-319-17682-6.
2. Bajiya S. S., Chaudhary K., Chaudhary H., 2020, "A Review on Dynamic Balancing and Link Shape Synthesis of Planar Mechanisms", accepted in Mechanism and Machine Science Published by Springer
3. Principles of Welding Technology, ManTech Publications, Ghaziabad, India. 978-81-941271-6-1.

- **C. International Conferences**

1. Application of Advanced Optimization Techniques for Mechanism Design" in *International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT 2018)*, SVNIT Surat, Aug 3-5, 2018.
2. An Insight into the Key Development Areas of Rapid Prototyping", in proceeding of *International Conference on Advances in Science and Technology* (ICAST 2018), SKIT Jaipur, India, May 4-5.
3. Importance of Surface Finishing Process in Manufacturing Industry", in proceeding of *International Conference on Emerging Trends in Materials and Mechanical Engineering* (ICETMM 2018), Poornima Group of Institutions Jaipur, India, Jan 29-30.

- **D. National Conferences**

1. Application of 3D Scanning for Heritage Architecture, in *All India Seminar on Heritage Architecture*, The Institution of Engineers (India), Jodhpur Local Centre and MBM Engineering College Jodhpur, Feb 29 - Mar 1, 2020.
2. A Study on Parametric Analysis of Abrasive Jet Machining", in proceeding of *National Conference on Future Dimensions in Mechanical Engineering* (NCFDME 2018), SKIT Jaipur, India, Aug 10-11.
3. A Review on Shot Peening Process", in proceeding of *National Conference on Emerging Trends in Science and Technology* (NCITST 2018), MIT Bikaner, India, Jan 20-21.
4. Application of Data Mining in Manufacturing System Design: A Case Study" in *National Conference on Data Mining and Machine Learning*, MNIT Jaipur, Oct 14-15.

- **E. Extra-Curricular and Other Activities**

1. Delivered a lecture in Three Days Online Faculty Development Program on Design for Advance Manufacturing, Organized by: Oriental Institute of Science and Technology, Bhopal, 15 – 17 June 2020.
2. Delivered a lecture in TEQIP-III Sponsored workshop on MATLAB for beginners

Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan. 22 – 23 January 2020.

3. Speaker in National Seminar on Automation Technologies for Manufacturing Systems
   Organized by: Department of Mechanical Engineering, MITS Jadan, Pali, Rajasthan. 21 October 2019.
4. Delivered a lecture in Three Days Faculty Development Program on Recent Advances in Mechanical Engineering, Organized by: Global Institute of Technology, Jaipur, 20-22 June 2019.
5. Speaker in National Seminar on Machine Health Monitoring
   Organized by: Department of Mechanical Engineering, MITS Jadan, Pali, Rajasthan. 26 March 2019.
6. Delivered Expert Lecture on Operation Research and Its Applications
   Organized by: Department of Mechanical Engineering, MITS Jadan, Pali, Rajasthan. 12 Sep 2018.
7. Delivered Expert Lecture on Computer Integrated Manufacturing
   Organized by: Department of Mechanical Engineering, MITS Jadan, Pali, Rajasthan. 15 January 2018.

- **F. Development activities**

1. Faculty In charge, Mechanical Engineering Workshop since September 2017.
2. Deputy Center Superintendent, Exam Section, MBM Jodhpur since August 2018.
3. Warden, Engineering Hostel No. 1 since July 2018.
4. Moodle Institute Manager, MBM Jodhpur since January 2019.
5. Organizing Committee member of All India Seminar on Heritage Architecture

   Organized by: Department of Architecture, M.B.M. Engineering College, Jodhpur and The Institution of Engineers (India), Jodhpur Local Center, 29 Feb – 01 March 2020.
6. Coordinator in TEQIP-III Sponsored workshop on MATLAB for beginners

   Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan. 22 – 23 January 2020.
7. Organizing Committee member of AICTE Seminar on Technical Teachers Training Policy, Its Implementation and AICTE Quality Initiatives

Organized by: M.B.M. Engineering College, Jodhpur, 01 November 2019.

8. Coordinator of TEQIP sponsored Moodle Training Workshop for Teachers
Organized by: M.B.M. Engineering College, Jodhpur, 19-21 February 2019.

❖ **Dr. Emarti Kumari**

M. Tech., Ph.D. (IIT Delhi)

Research Interests – Finite Element Methods, Smart Materials, Plate, Panels, Linear and Nonlinear Mechanisms, Dynamics.

➢ **A. Publications in International Refereed Journals**

1. Nonlinear Response of Laminated Panels under Blast Load, Journal of Procedia Engineering, Elsevier, Vol. 173, pp. 539-546, 2017.

2. Nonlinear bending analysis of laminated composite symmetric and un-symmetric trapezoidal plates under uniformly distributed load" International Journal of Mechanical Sciences, Elsevier, 2017.

3. Nonlinear Elastic Stability of Web Panels in Built-Up Members," International Journal of Structural Stability and Dynamics, World Scientific, Vol. 19 (06), 1950064, 2019.

➢ **B. Book and Book Chapter Publications**

1. Damage Analysis of Unidirectional Composite Laminates, LAMBERT Academic Publishing, ISBN: 978-620-0-54939-6, 2020.

➢ **C. International Conferences**

1. Free Vibration Analysis of Rotating Laminated Composite Plate Type Blades with Variable Thickness, International Conference on Advanced Material Behaviour & Characterization, ICAMBC-2020, MATTEST RESEARCH ACADEMY, July 18-22, 2020.
2. Buckling Analysis of Folded Structures, International Conference on Advanced Material Behaviour & Characterization, ICAMBC-2020, MATTEST RESEARCH ACADEMY, July 18-22, 2020.
3. Performance of different implicit time integration techniques for nonlinear structural dynamic analysis, International Conference on Advances in Power Generation from

Renewable Energy Sources, APGRES-2020, Government Engineering College, Banswara, Rajasthan, March 06-07, 2020.

4. Review of an Electronic Waste Effect on Human and Environment" International Conference on Environmental Changes and Their Impact on Plants and Human Health, St. Wilfred's P.G. College, Jaipur, Rajasthan, December 15-17, 2018.
5. Review of different Energy Resources, Proceedings of International conference on Advances in Power Generation from Renewable Energy Resources (APGRES-2017), Government Engineering College, Banswara, Rajasthan, December 22-23, 2017, pp. 37-40, 2017.
6. Performance Analysis of a Low-Price Thermoelectric Cooler: An Experimental Approach, Proceedings of International conference on Advances in Power Generation from Renewable Energy Resources (APGRES-2017), Government Engineering College, Banswara, Rajasthan, December 22-23 2017, pp. 76-82, 2017.
7. Nonlinear Response of Laminated Panels under Blast Load, International Symposium on Plasticity and Impact Mechanics (IMPLAST 2016), IIT Delhi, December 12-14, 2016.
8. Nonlinear flexural vibration of doubly-curved panels under thermal environment, International Congress on Computational Mechanics and Simulation (ICCMS), 10-12 December, 2012, IIT Hyderabad, India.
9. A comparative study of different implicit time integration techniques for the nonlinear transient dynamic analysis, *3rd Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS)*, 5 - 8 December, 2012, IIT Delhi, India.
10. Dynamics of rotating cantilever composite panels, Indo-Danish Workshop, 8-9 Oct, 2012, IIT Delhi, India.

- **D. National Conferences**

1. Linear Bending Analysis of Trapezoidal Plate", Symposia on Energy Conservation Day, at Institution of Engineers, India, 14 Dec, 2017.
2. Linear bending analysis of laminated composite symmetric & un-symmetric trapezoidal plates, National conference on Quality & Automation in Industry- Male in India (NCQAMI 2017), Kautilya Institute of Technology & Engineering, Jaipur, India, 11 Feb, 2017.

- **E. Extra-Curricular and Other Activities**

1. Expert lecture delivered on “Gear Train & Advancement” at Government Engineering College Banswara, Rajasthan, Oct. 2017.
2. Expert lecture delivered on “Governing System” at Government Engineering College Banswara, Rajasthan,14 Oct. 2017.
3. Expert lecture delivered on “Balancing of Mechanical System” at Government Engineering College Banswara, Rajasthan, 15 Oct. 2017.
4. Expert lecture under TEQIP-III on “Machine Design and Finite Element Method” at Government Engineering College Banswara, Rajasthan, Oct. 2019.
5. Delivered a lecture in TEQIP-III Sponsored workshop on MATLAB for beginners Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan, January 2020.
6. Expert lecture under TEQIP-III on “Two Degree of Freedom Systems” at Government Engineering College Banswara, Rajasthan, March, 2020.
7. Presented and displayed poster on “Nonlinear Dynamics of Composite Plates and Curved Shell Panels” in Open House I^2T-2014 at IIT Delhi.
8. Participated in Project display on “Winter Bless” in Open House I^2T-2009 at IIT Delhi.

- **F. Development activities**

1. Time table in charge for Undergraduate and Postgraduate from Feb. 2018 to till date.
2. Prepared Department E-Brochure and Mechanical Engineering Training and Placement Brochure.
3. Faculty In charge, Technical Dynamics Lab. since September 2017.
4. Warden, Engineering Hostel No. 6 since November 2017.
5. Member of Admission Cell, MBM Jodhpur since June 2019.
6. NBA coordinator, 2020.
7. NAAC coordinator, 2020.
8. Coordinator in TEQIP-III Sponsored workshop on MATLAB for beginners Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan. 22 – 23 January 2020.
9. Member of Training and Placement Cell, MBM Jodhpur since July 2020.

- **G. Membership of Scientific / Engineering Bodies:**

1. Member, Institution of Engineers (India).

2. Member, ASME-American Society of Mechanical Engineers.
3. Member, ISAM-Indian Society of Applied Mechanics.

❖ Mrs. Abhilasha Chaudhary

Research Interests – Nuclear Engineering**,** Heat and Mass Transfer, Fluid Mechanics, Renewable Energy.

➢ **A. Sponsored Research (Funded Research)**

1. Heat transfer enhancement in photovoltaic thermal collector using twisted tapes coupled with geothermal energy" R & D Projects under TEQIP-III/NPIU, Rs 3,00,000/.

➢ **B. Development activities**

1. Faculty In-charge of Heat and Mass Transfer lab since 17th January 2017.
2. Faculty survey coordinator of Mechanical Department for Student Learning Assessment (SLA) programme organized by NPIU in collaboration with Stanford University (2019).
3. Organizing member of Orientation Program for Second Year Mechanical Engineering Students, 2019.
4. Mechanical Admission committee member for M.E. admission 2019.
5. Mechanical Department Coordinator for GATE training 2019-2020 conducted by TEQIP-III.
6. Committee member of Student academic Development Centre (SADC), MBM.
7. Organizing Member in AICTE SEMINAR ON "TECHNICAL TEACHERS TAINING POLICY, ITS IMPLEMENTATION AND AICTE QUALITY INITIATIVES" conducted by MBM Engineering College Jodhpur on 1st November 2019.
8. Committee member of Program Assessment and Quality Improvement.
9. Organizing committee member of First Year Induction Program for academic session 2019-2020.
10. NBA coordinator, 2020.

➢ **C. Faculty as participant in Faculty development/training activities/STTPs/ Seminar/Conferences/Symposia/Workshop:**

1. Executive Excellence Program conducted by Dale Carnegie and Associates, Inc in April 2014.
2. National workshop on "Machinery Vibration Monitoring and Analysis" conducted by Indian Nuclear Society, Mumbai, 25-29 April, 2016.
3. STP on "Active learning workshop: pedagogy and research" held and organized by IIT, Bombay, 4-8 June, 2018.
4. MOOC course on "Engineering Fracture Mechanics" organized by NPTEL, July-Oct 2018 (12 weeks course)
5. ToT programme on "Right to information" Organized by Kamla Nehru College for women, JNVU Jodhpur, 15-17 Jan 2019 (3 days)
6. STC on "Sustainable environmental management" through ICT mode organized by Civil Engineering department, NITTR, Chandigarh, 28 Jan-1 Feb 2019 (one week)
7. Workshop on "Innovative pedagogical orientation of engineering education" organized by Department of Electrical Engineering, MBM Jodhpur, 23-24 Feb, 2020 (2days).
8. STC on "Recent trends in automobile technology" through ICT mode conducted by NITTR, Chandigarh and organized by MBM Engineering College Jodhpur, 25 Feb-1 March 2019.
9. STC on "CAD using Solid works" through ICT mode conducted by NITTR, Chandigarh and organized by MBM Engineering College Jodhpur, 11-15 March 2019.
10. MOOC Course on "Engineering thermodynamics" organised by NPTEL (IIT Madras), Jan-April 2019 (12 weeks)
11. AICTE seminar on "Technical teachers training policy, its implementation and aicte quality initiatives" organised by MBM Engineering College, Jodhpur, 1 NOV. 2019 (one day).

❖ **Mr. Sandeep Yadav**

Research Interests – Heat and Mass Transfer, Fluid Mechanics, Renewable Energy.

➢ **A. Publications in International Refereed Journals**

1. Sandeep Yadav, Saurabh Mangal "Performance, Combustion and Emission Characteristic of Karanja Oil Blends Fuelled Diesel Engine: A Review" ISST Journal of Mechanical Engineering, Vol. 7 No. 1, (January - June 2016), p.p. 71-75.

➢ **B. Sponsored Research (Funded Research)**

1. Heat transfer enhancement in photovoltaic thermal collector using twisted tapes coupled with geothermal energy" R & D Projects under TEQIP-III/NPIU, Rs 3,00,000/.

- **C. Development activities**

1. Organized a one Week AICTE recognized Short Term Course on "CAD Using SOLIDWOKS" through ICT in the Department of Mechanical Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 11-15 March, 2019.

- **D. Faculty as participants in Faculty development/training activities/STTPs/ seminar/conferences/Symposia/Workshop:**

1. MHRD-TEQIP course on "Digital Transformation in Teaching Learning Process" Organized by NPIU and conducted by IIT Bombay on SWAYAM from 16 March -30 March 2020 (2 Week).
2. Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop. Organized by Teaching Learning Centre (ICT) Through IIT Bombay Bodhi Tree Platform, funded by the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNMTT), an initiative of the Ministry of Human Resource Development, Government of India on 16 May 2020 (1 Day).

3 Seminar on "Technical Teachers Training Policy, Its Implementation and AICTE Quality Initiative" on 1 November 2019 at MBM Engineering College Jodhpur.

4 MeitY, Government of India sponsored faculty development programme (FDP) on "DESIGN DEVELOP AND DELIVER ONLINE COURSES: HANDS ON APPROACH PHASE -1" organized by E&ICT Academy, NIT Warangal at Coimbatore Institute of technology, Coimbatore from 18- 23 May 2019

5 Workshop on Virtual lab under the national Mission on education through ICT (MHRD Government of India) jointly conducted by virtual labs, IIT Roorkee and MBM Engineering College, Jodhpur on 3-4 April 2019

6 One Week AICTE recognized Short Term Course on "CAD Using SOLIDWOKS" through ICT in the Department of Mechanical Engineering, M.B.M. Engineering

College, JNVU, Jodhpur in association with NITTTR Chandigarh from 11-15 March, 2019.

7 One Week AICTE recognized Short Term Course on "Recent Trends in Automobile Engineering" conducted by Department of Mechanical Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 29 Feb.-4 March 2019.

8 Rajiv Gandhi National Institute of Youth Development Ministry of Youth Affairs & Sports, Government of India sponsored National Training of Trainer Program on Right to Information organized by the K. N. College for women, J N V University, Jodhpur held on 15- 17 January 2019.

9 One-week short term course on "Safety Aspect of Storage, Handling and Transporting of petroleum products" organized by the Department of Chemical Engineering, MNIT Jaipur in association with College of Technology and Engineering Udaipur during 7 - 11 January 2019.

10 TEQIP-III sponsored five days STTP on "ANSYS" organized by Department of Mechanical Engineering, Government Engineering College, Banswara, Rajasthan during 24-28 July 2018.

11 MHRD-TEQIP-KITE five day TEQIP-III summer in training program on Active learning workshop under the 'knowledge incubation under TEQIP' initiative of MHRD Government of India on the theme "pedagogy and Research" conducted in IIT Bombay during the period of 04-08 June 2018.

12 TEQIP-III Workshop on "Innovation Pedagogical Orientation of Engineering Education" held in the Department of Electrical Engineering, MBM Engineering College, Jodhpur on 23- 24 February 2018.

13 One Week AICTE recognized Short Term Course on "Recent Trends in Automobile Engineering" conducted by Department of Mechanical Engineering at JECRC Jaipur in association with NITTTR Chandigarh from 29 Feb.-4 March 2016.

14 One Week AICTE recognized Short Term Course on "Sustainable Development: Challenges and Opportunities through ICT" conducted by Department of Mechanical

Engineering at JECRC Jaipur in association with NITTTR Chandigarh from 12-16 Oct. 2015.

15 One Week AICTE recognized Short Term Course on "Advanced Manufacturing Methods" conducted by Department of Mechanical Engineering at JECRC Jaipur in association with NITTTR Chandigarh from 16-20 Feb. 2015.

❖ Mrs. Anita Kuradiya

Research Interests – Instrumentation and Control, Fluid Mechanics, Renewable Energy

➢ A. Faculty as participants in Faculty development/training activities/STTPs/ seminar/conferences/Symposia/Workshop:

1. Seminar on "Technical Teachers Training Policy, Its Implementation and AICTE Quality Initiative" on 1st November 2019 at MBM Engineering College Jodhpur.
2. One Week AICTE recognized Short Term Course on "CAD Using SOLIDWOKS" through ICT in the Department of Mechanical Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 11-15 March, 2019.
3. One Week AICTE recognized Short Term Course on "Sustainable Environmental Management" through ICT in the Department of Civil Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 28-01-2019 to 01-02-2019.
4. One Week AICTE recognized Short Term Course on "Recent Trends in Automobile Technology" through ICT in the Department of Mechanical Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 25-02-2019 to 01-03-2019.
5. Rajiv Gandhi National Institute of Youth Development Ministry of Youth Affairs & Sports, Government of India sponsored National Training of Trainer Program on Right to Information organized by the K. N. College for women, J N V University, Jodhpur held on 15- 17 January 2019.
6. MHRD-TEQIP-KITE five-day TEQIP-III summer in training program on Active learning workshop under the 'knowledge incubation under TEQIP' initiative of MHRD Government of India on the theme "pedagogy and Research" conducted in IIT Bombay during the period of 04-08 June 2018.

7. TEQIP-III Workshop on "Innovation Pedagogical Orientation of Engineering Education" held in the Department of Electrical Engineering, MBM Engineering College, Jodhpur on 23- 24 February 2018.

❖ **Mr. Ravikant Mordia**

Research Interests – CAD/CAM

➢ **Book and Book Chapter Publications**

1. Automatic Tolerancing Mechanical Assemblies", LAMBERT Academic Publishing, ISBN: 978-620-0-44325-0, 2019.

➢ **B. Development activities**

1. Organized a one Week AICTE recognized Short Term Course on "CAD Using SOLIDWOKS" through ICT in the Department of Mechanical Engineering, M.B.M. Engineering College, JNVU, Jodhpur in association with NITTTR Chandigarh from 11-15 March, 2019.
2. Committee member of Student academic Development Centre (SADC), MBM.

❖ **Mr. Amit Meena**

Research Interests – Composite Material, Machine Design, Solar, Renewable Energy.

➢ **A. International /National Journal Papers**

1. Meena Amit, Mukesh (2019) "Design and process integration of multiple effects evaporators", Global Journal of Engineering Science and Researches (GJESR), Volume 6 Issue 6 pp. (376-391).
2. Meena Amit (2017) "A study on parabolic mass distribution", ESSENCE-International Journal for Environmental Rehabilitation and Conservation, Volume 8 Issue 2 pp. (1-12).
3. Meena Amit, M.L. Meena (2017) "A study on skewed mass distribution", International Journal of Current Engineering and Scientific Research (IJCESR), Volume 4 Issue7 pp. (29-39).

4. Meena Amit, (2017) "A compression on parabolic and skewed mass distribution", ESSENCE- International Journal for Environmental Rehabilitation and Conservation, Volume 8 Issue 2 pp. (19-27).
5. Meena Amit (2016) "Vibration control using tuned mass damper", Walia International Journal, 32(S2) pp. (33-42).

- **B. International /National Conference Papers**

1. Meena Amit, Mukesh (**2019**) "Design and process integration of multiple effects evaporators", International conference on Innovative Developments in Science Technology and Management (IDSTM)GTC, Delhi-NCR.
2. Meena Amit and Roy Mohit (2017) **"**A Project on three axis pneumatic modern trailer" National conference on Recent Adv. in Science, Tech.& Management (NCRASTM)PGI, Roorkee.
3. Meena Amit and Choudhary Himanshu (2017) "A study on solar vacuum cleaner" National conference on Recent Adv. in Science, Tech.& Management (NCRASTM)PGI, Roorkee.
4. Meena Amit and Kumar Rajeev (2017) "Thermoelectric fan Powered by Heat Source" National conference on Recent Adv. in Science, Tech.& Management (NCRASTM)PGI, Roorkee.

- **C. Workshop Organized:**

1. "Workshop on Robo-opus Association with IIT-BHU in ITM College Bhilwara, Rajasthan 25th-26th, February, 2011.
2. "Workshop on Hack Tricks Association with IIT-BHU in ITM College Bhilwara, Rajasthan 27th-28th, February, 2011.
3. Organized Symposia on "Energy Conservation Day" with IEI Jodhpur on 14 Dec. 2017.

- **D. Workshop Attended:**

1. Workshop on Cryogenics in Radiance 09, Organised by IIT, Bombay on 14th -15th March 2009.

2. Workshop on STAR-CCM+, Organised by IIT, Bombay on 28th -29th March 2009.
3. Workshop on CAD systems in Radiance 10, Organised by IIT, Bombay on 13th -14th March 2010.
4. Workshop on BUILD-MASTER AND BUILD-QUANTA in Aakar 10, Organised by IIT, Bombay on March 2010.
5. Workshop on Autonomous Robotics in Radiance 10, Organised by IIT, Bombay on 13th -14th March 2010.
6. Workshop on Robo-opus", Organised by ITM, Bhilwara, on 25th -26th Feb. 2011.
7. "Workshop on Hacks-tricks", Organised by ITM, Bhilwara, on 27th -28th Feb. 2011.
8. "Workshop on Innovative Pedagogical Orientation of Engineering Education", Organised by MBM Engg. College, Jodhpur on 23th -24th Feb 2018.
9. "Workshop on Hacks-tricks", Organised by MBM Engg. College, Jodhpur on 10 July 2018.

- **E. Short Term Courses:**

1. Attend 1- week STTP on "Active Learning Workshop", Organised by IIT Bombay, on 04th -08th June 2018.
2. Attend 1- week STTP on "ANSYS", Organised by Govt. Engg. College Banswara, on 24th - 28th June 2018.
3. Attend 1- week STTP on "Safety aspects of Storage, Handling and Transportation of Petroleum Products", Organised by MNIT, Jaipur on 7th -11th January 2019.
4. Organized 1- week STTP on "Recent Trends in Automobile Technology", conducted by NITTR, Chandigarh, on 25th -01th February 2019.
5. Attend 1- week STTP on "CAD Using SOLIDWORKS", conducted by NITTR, Chandigarh, on 11th -15th March 2019.

- **F. Position and Responsibility:**

1. Work as a Head of Department in ITM, Collage Bhilwara.
2. Work as a Time –Table co-ordinate in the Dept. of Mechanical Engineering FET, GKV Haridwar.
3. Work as a Department Library In charge in MBM Collage Jodhpur.

- **G. Membership of Scientific / Engineering Bodies:**

1. Member, Institution of Engineers (India).

➢ **H. Members of Editorial Board of Journals:**

1. Academic Research in Science, Engineering, Art & Management (ARSEAM) Foundation, India.

➢ **I. Technical skills:**

1. Programming languages: C, Matlab
2. Engineering Softwares: Auto-CAD and Ansys.

➢ **K. Extra-Curricular activities**

1. Participated in 6 km long IIT Bombay Varsha run.
2. 1st position in Football Inter Collage Tournament 2004-2005.
3. 1st position in Inter branch Hockey Tournament 2004-2005.
4. 1st position in Inter Collage Football Tournament 2005-2006.
5. Fourth prize winner in "My Department is Best" Film making competition held at IIT Bombay.

❖ **Mr. Pradeep Kumar**

Research Interests – Industrial Engineering, Project management, Operation Research, Manufacturing Technology.

➢ **A. Sponsored Research (Funded Research)**

1. Development of HVOF Coating on Aluminium Alloy for Composite for using Centrifugal Pump" R&D Projects under TEQIP-III/NPIU, Rs 13,07,000/-.

➢ **B. Sci-journals**

1. M.L Meena, P. Kumar, (2018), Process improvement in an Indian automotive part manufacturing company: a case study, Int. J. Productivity and Quality Management, Vol. X, No. Y, xxxx.

➢ **C. Book and Book Chapter Publications**

- 1. Sustainable development using six sigma in automotive industry", LAMBERT Academic Publishing, ISBN: 978-620-0-44325-0, 2019.

- **D. Non-Sci. Journals**

1. Life Cycle Analysis in Manufacturing Industry – A Case Study, International Journal of Scientific Research in Science, Engineering and Technology, 2017.

- **E. National conferences**

1. Application of Data Mining in Manufacturing System Design: A Case Study" in *National Conference on Data Mining and Machine Learning*, MNIT Jaipur, Oct 14-15.

❖ **Mr. Narendra Singh**

Research Interests – Theory of Machines, I.C. engines, refrigeration and air conditioning.

- **A. International Conference**

1. Analysing the Effect of Workpiece Stiffness Variation on the Stability in Flank Milling of an Impeller Blade, ASME, 2016.

- **B. Development activities**

1. Conducted "Employability Skill Training" Program during Nov-Dec. 2019 for making the students Industries oriented.
2. Worked as a member of procurement committee in Department.

❖ **Mr. Jagmohan Shree Rao**

Research Interests – Thermal and Fluids engineering.

- **A. International Conference**

1. Combustion in thermally and compositionally stratified mixture: A 2D DNS study, proceedings of the Asian Congress on Gas turbine, 2016.

❖ **Mr. Alok Vats**

Research Interests – Tribology, Production and manufacturing (Metal Cutting and coating).

- **A. Publications in International Refereed Journals**

1. Erosive Corrosive wear performance of single layer CrN coatings on AISI 304 stainless steel in sea water centrifugal pumps using steady state Analysis," International Journal of Advanced Engineering, Management and Science, Vol. 3, pp. 410-420, 2017.
2. Corrosion measurement, Friction testing and XRD analysis of single layer CrN coatings on AISI 304 stainless steel" International Journal of Advanced Engineering, Management and Science, Vol. 3, pp. 435-445, 2017.
3. Taguchi analysis of single layer CrN coatings on AISI 304 stainless steel to study its erosive corrosive wear behaviour," International Journal of Advanced Engineering, Management and Science, Vol. 3, pp. 466-473, 2017.

- **B. Development activities**
  1. Member: NAAC Working Committee.
  2. Member: NBA Working Committee

- **C. Workshop and FDPs**

1. CAD using SOLIDWORKS through ICT, **Organized by:** NITTTR Chandigarh, Mechanical Engineering Department, **Duration:** 11- 03- 2019 to 15- 03- 2019 (5 days).

2. Wear resistant steels for Mining and Railways industries- Microstructural Engineering and Integrity Assessment, **Organized by:** MNIT JAIPUR, **Duration:** 27- 12- 2018 to 31- 12- 2018 (5 days).

3. Teacher Training Policy, its implementation and AICTE Quality initiatives, **Organized by**: AICTE, **Duration**: 1 Nov, 2019

4. SAKSHAM-Teaching with Technology Training, **Organized by:** MBM Engineering College, Jodhpur, **Duration:** 26- 03- 2018 to 27- 03- 2018 (2 days).

5. TEQIP, Knowledge Incubation in Technical Education (KITE), teaching Learning Pedagogies, **Organized by:** IIT Hyderabad, **Duration:** 30- 01- 2018 to 03- 02- 2018 (5 days).

6. Recent trends in Automobile through ICT, **Organized by:** NITTTR Chandigarh, Mechanical Engineering Department, **Duration:** 25- 02- 2019 to 01- 03- 2019 (5 days).

7. Virtual Labs Workshop, **Organized by:** IIT Roorkee, MBM Engineering College, Jodhpur, **Duration:** 3- 4 April, 2019 (2 days).

8. Advance Pedagogies: Active Learning and Digital Tools, **Organized by:** IIT Bombay, **Duration:** 10- 14 June, 2019 (5 days).

9. Innovative Pedagogical Orientation of Technical Education, **Organized by:** MBM Engineering College, Jodhpur, **Duration:** 23- 24 Feb, 2018 (2 days).

❖ Mr. Arun Kumar

Research Interests – Tribology: Friction and Wear, Surface Engineering, Thermal Spray Wear Resistant Coatings, Tribological and Metallurgical Characterization of Materials, Mg alloys.

➢ **A. Publications in International Refereed Journals**

1. Thermally sprayed alumina and ceria-doped-alumina coatings on AZ91 Mg alloy, Journal of Surface and coating technology, Elsevier, Vol. 332, pp. 533-541, 2017.

➢ **B. Development and Extra-Curricular activities**

1. Member of Committee to update experiments in various laboratories/workshop in the department of Mechanical Engineering.
2. Member of NBA working Committee.
3. Member of NAAC working Committee.
4. As faculty co-ordinator, successfully organised "Aero-Modelling Workshop and Canon Blast event" in college TechFest "Innovarious 2.0" in 2019.

❖ Mr. Ankit Dev

Research Interests – Nuclear Safety, Solar Thermal

➢ **A. International Conference**

1. Design and Dynamic simulation of a small multipurpose solar thermal system for rural necessities, Conference paper in ISES, EUROSUN,2016.

➢ **Development activities**

3. Member: NAAC Working Committee.
4. Member: NBA Working Committee
5. Member: Syllabus modification committee for Thermal Engineering laboratories.

❖ Mr. Amit Dixit

Research Interests – Thermal Engineering, Solar Architecture, Solar Thermal & Solar Thermal Refrigeration systems.

➢ **A. Publications in International Refereed Journals**

1. Experimental Analysis of Solar Parabolic through Collector, IJMET, 2018.

➢ **B. Development activities**

1. Faculty Coordinator in Student Induction program 2019 held in MBM Engineering College Jodhpur.

2. Member of Syllabus modification committee for Thermal Engineering Courses.
3. Member: NBA working committee
4. Member: NAAC working committee

❖ **Mr. Chandrapal Singh Inda**

Research Interests – Heat Exchanger, Heat Storage, Solar Thermal Energy, Alternative Fuels in IC engines.

➢ **A. Publications in International Refereed Journals**

1. Effect of Derating Factor on the Thermal Performance of Earth Air Tunnel Heat Exchanger: A Review, IJIRSET, 2017.
2. An Experimental Study on Performance and Emission Characteristics of JATROPHA & DIESEL blen, SSRGIJTE, 2017.

➢ **B. International Conference**

1. Presented a paper on "Evolution of solar still: A Review", Amrit lal, Purohit R. Inda C.P., International Conference on Advancements and Futuristic Trend in Mechanical and Materials Engineering. IIT Ropar in 2019
2. Presented a paper on "Synthesis of Steam Through Parabolic Trough Collector: A Review", Harshvardhan, Sharma S., Inda C.P., International Conference on Advancements and Futuristic Trend in Mechanical and Materials Engineering. IIT Ropar in 2019.

➢ **C. National Conference**

1. Waste Heat Recovery from the Exhaust of Internal Combustion Engines for the Purpose of Refrigeration and Air Conditioning: A Review, National Conference on Renewable Energy Sources & Sustainable Development, RESSD-2016.

➢ **D. Book and Book Chapter Publications**

1. Analysis of Solar Air Heater with or without heat Storage Material, LAMBERT Academic Publishing, ISBN: 978-620-0-30681-4, 2019.

➢ **E. Development activities**

5. Coordinated Student Induction Programme at MBM Engineering College, Jodhpur. In 2018.
6. Member of NBA working Committee.

7. Coordinated Student Induction Programme at MBM Engineering College, Jodhpur. In 2019.

❖ Mr. Hitesh Patel

Research Interests – Manufacturing and Production Technology.

➢ A. Publications Papers in Journals and Conferences

1. Paper Published in international conference in FIME (2010) in NIT Surthkal," effect of copper addition on lm 25 cast alloys".
2. Paper Published in IJSER, Volume 4, Issue 2, February 2013 Edition (ISSN 2229-5518), "wear characteristics of Unalloyed and alloyed LM-25 aluminium casting"
3. Paper Published in JET, Volume 6, 2013 Edition (ISSN 2249 – 6157)," effect of silicon addition inLM25 aluminium alloy".

➢ B. Development activities

1. Form SAEINDIA Collegiate club for students.
2. Organized Seminar on Technical Teachers Training Policy, Its implementation & AICTE quality Initiatives (1st Nov. 2019)
3. Coordinator in 1st Year Induction Programme 1st Aug.- 15Aug. 2019
4. Coordinator of workshop on "Design and Fabrication of ATV", Organized in mechanical dept., 6-7 April, 2019.
5. Department Committee Member for NBA 2019-20.
6. Orientation program organized successfully in department for II-year III semester students.
7. Successfully performed the responsibility of departmental procurement committee member.

❖ Mr. Kanti Lal Solanki

Research Interests –Solid Mechanics and Design, Fracture Mechanics, Robotics and Automation.

➢ A. Development activities

1. Worked as a leading coordinator of NBA committee.
2. Worked as a leading coordinator of NAAC committee.

3. Successfully performed the responsibility of departmental procurement committee member.
4. Organized Seminar on Technical Teachers Training Policy, Its implementation & AICTE quality Initiatives (1st Nov. 2019).
5. Coordinator of workshop on "Design and Fabrication of ATV", Organized in mechanical dept., 6-7 April, 2019.
6. Form SAEINDIA Collegiate club for students.
7. Organized one-week technical training program for students at CEMS Vishakapatnam from 30 September, 2019.
8. Organized two days industrial tour for students at NPCIL, Rawatbhata, 13th – 14th October, 2019
9. Organized one day science tour for students at SUB-REGIONALSCIENCE CENTRE, JODHPUR, 22th November, 2019.
10. Coordinator in 1st Year Induction Programme 1st Aug.- 15Aug. 2019
11. Coordinator in 2nd Year Orientation Programme.
12. Coordinator in TEQIP-III Sponsored workshop on MATLAB for beginners Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan. 22 – 23 January 2020.

- **B. International Conference**

1. K. L. Solanki, V. Parameswaran, and J. Sorensen, "Compressive Response of Cellular Core Filled with Micro-Sphere Embedded Aluminum," in Mechanics of Composite and Multi-functional Materials, Volume 7, C. Ralph, M. Silberstein, P. R. Thakre, and R. Singh, Eds. Springer International Publishing, 2016, pp. 463–468.

- **C. Refereed International Journal**

1. K. L. Solanki, V. Parameswaran, and J. Sorensen, "Compressive response of sandwich materials having a cellular core filled with micro-sphere embedded aluminum," in Material Science and Engineering, 2016.

- **D. Research work**

1. Worked at Project Engineering on NRB (Naval Research Board)-DRDO project titled "Experimental investigation of vibration mode localization in rectangular sandwich plate" at IIT Kanpur.

2. Worked at Project Engineering on NIRDESH (National Institute for Research and Development in Defence Shipbuilding) project titled "Reduction of noise and vibration in HVAC system on board ship" at IIT Kanpur.

➢ **E. Extra-Curricular and Other Activities**

1. Delivered a lecture in TEQIP-III Sponsored workshop on MATLAB for beginners Organized by: Department of Mechanical Engineering, M.B.M. Engineering College, Jodhpur, Rajasthan, January 2020.

❖ **Mr. Tarun Sachdeva**

Research Interests – Machine Design, Friction Stir Welding, Finite Element Method.

➢ **A. Development activities**

1. Working as a leading coordinator of NBA accreditation committee.
2. Working as a departmental procurement coordinator under TEQIP-III
3. Working as Purchase committee member and Technical committee member for EMP program under TEQIP-III.
4. Performed responsibility as a technical evaluation committee member for SI petrol engine in the department of mechanical engineering.
5. Working a single point contact for all task related to future skill training sponsored by NASCOOM.
6. Coordinator of Employability Club in the department of mechanical engineering.
7. Organized Industrial Visit for 2nd year NPCIL, Rawathbata under TEQIP-III.
8. Mechanical department coordinator for Employbility classes 2019-20 conducted by TEQIP-III.
9. Organizing member in Seminar on Technical Teachers Training Policy, Its Implementation & AICTE Quality Initiatives (1st Nov, 2019).
10. Attended International Conference on "Digital Pedagogies: Changing Mindsets for Sustainable Learning" held from 1st-2nd April, 2019 at AICTE, New Delhi.
11. Attended Two weeks Faculty Training on Future Skill Technologies of IT-ITes "Robotics and Automation" Conducted by IIT Guwahati sponsored by MHRD, held from 03 March 2020 to 13 March 2020.

❖ **Mr. Rajendra Kumar Guneja**

Research Interests – Production & Industrial Engineering, Non-Traditional Machining Methods, Ultrasonic Machining.

8. A. Development activities

1. Faculty Coordinator in Student Induction program 2019 held in MBM Engineering college Jodhpur.
2. Member of Syllabus modification committee for Production and Industrial Engineering course.
3. Member: NBA working committee
4. Member: NAAC working committee

❖ **Mr. Amit Singh Rathore**

Research area: Solar thermal energy, Heat exchanger

➢ **A. Development activities**

1. Member: NBA working committee.
2. Member: NAAC working committee.

Gallery

Picture of workshop for students on DESIGN FABRICATION OF ATV

Orientation Program for B.E. 2nd Year in the Department

Received Ph.D. degree at IIT Delhi

Department of Mechanical Engineering
MBM Engineering College, Jodhpur, Rajasthan, 342011, India

TREE PLANTATION IN THE DEPARTMENT

Felicitation by Mr. Ramanan, Director, Atal Innovation Mission Govt. of India; and Institution of Engineers, Jodhpur

Department of Mechanical Engineering
MBM Engineering College, Jodhpur, Rajasthan, 342011, India

PICTURE OF NPCIL RAWATBHATA INDUSTRIAL VISIT 2019

MATLAB WORKSHOP 2019

SCIENCE MUSEUM JODHPUR 2019

HOVERCRAFT WORKSHOP

IDEA SPARK Idea – Employability Creator 1st runner up; and Tugh of war and RF competition winner robot at IIT Jodhpur