

## Annual Report 2023-24

M.S. Bidve Engineering college is committed to providing holistic development for its students. Academic processes are streamlined, with timetables, workloads and other supporting administrative tasks prepared well in advance of teaching session. The college employs technologically enabled infrastructure for everyone, with special infrastructural assistance for our students with disabilities, which makes it possible for all our students to engage in an appropriate teaching learning process. Experiential learning for the students through internships, projects, and field trips is specifically facilitated. The Principal also conducts meetings with the Teacher-in-charge(s), faculty from individual Departments, and entire Staff including nonteaching to ensure smooth implementation of the activities as scheduled. Faculty makes use of ICT tools in education to support, enhance and optimize the delivery of education.

• College details :

Name of the College/ Institute :- M. S. BIDVE ENGINEERING COLLEGE  
Address of the College/Institute :- P.O.Box NO. 112, Barshi Road,  
Waswadi, Latur , Maharashtra - 413531  
Name of the Head / Principal :- Prof. B. V. Dharne  
Tele(O/R) With STD Code :- 02382 221255  
Mobile No. :- 9922050100  
Email Address and Website Address :- principal@msbecl.ac.in www.msbecl.ac.in

### Workshops/Seminars conducted :

Name of the workshop/ seminar	Number of Participants	Date From – To
“Emerging Trends in Civil Designing”	50	Feb 10, 2024
“Career Guidance Webinar-BIM Technology in Civil Engineering”	43	April 16, 2024
2 Days workshop on “Unlocking Structural Design: ETABS”	50	11 th and 12 th March, 2024
Seminar on “Sustainable Urban Development”	30	October 6, 2023
Python application development with MYSQL	24	09/10/23 to 09/01/24
Climate change and water management course	44	6/9/2023 (4week)
VLSI Design and simulation using electronics design automation tools	63	26/02/24 to 15/03/24

**Journal publications during 2023-24 :**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>ISSN number</b>
Analysis and Design of Flat slabs using different codes and Staad Pro	Prof Kariappa M.S.	International journal of Innovative research in science, Engineering and technology	2319-8753
Effects of Semi rigid Joint on Analysis of Frame Structure	Prof Hamane A.A.	International journal of Innovative research in science, Engineering and technology	2319-8753
Experimental investigation on the enhancement of concrete strength by incorporation of polypropylene fibres along with partial replacement of cement by a combination of micro-silica and dolomite powder in equal proportion.	Prof Kariappa M.S.	International journal of Novel research and Development	2456-4184
Experimental study on properties of concrete by using EPS as partial replacement of coarse aggregate	Prof. Shete G.N.	International journal for scientific research and development	2321-0613
RESPONSES OF FRAME STRUCTURE BY USING SEMIRIGID JOINT	Prof Hamane A.A.	International journal of Novel research and Development	2456-4184
Responses of SMRF Raft Foundation for Soil Structure Interaction Under Seismic Effects.	Prof Hamane A.A.	International Journal of Research in Engineering and Science	2320-9356
Soil Structure Interaction of Building Effect on Seismic Behaviour of SMRF raft foundation	Prof Hamane A.A.	International journal of Innovative research in science, Engineering and technology	2319-8753
A PROPORTIONAL ANALYSIS OF PHP E-COMMERCE FRAMEWORK: MAGENTO 2, SHOPIFY, WOOCOMMERCE, AND CUSTOM PHP WEBSITES	Prof.Pathan N.J.	International Research Journal of Modernization in Engineering Technology and Science	e-ISSN: 2582-5208

ENHANCE WEBSITE PRODUCT SALES AND CUSTOMER ENGAGEMENT	Prof.Pathan N.J.	International Research Journal of Modernization in Engineering Technology and Science	e-ISSN: 2582-5208
Prediction of Crop yield and Suitable Crop	Prof.Bidve M.P	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2319-8753
Reversible Data Hiding in Images by Using Steganography	Prof.Late R.B.	International Journal of Innovative Research of Science, Engineering and Technology	2319-8753
Reversible Data Hiding in Images by Using Steganography	Prof.N.G.Dharashi ve	International Journal of Innovative Research of Science, Engineering and Technology	2319-8753
Secret Sharing Schema for Quick Response Code Applications	Prof.Late R.B.	International Journal of Innovative Research in Science, Engineering and Technology	2319-8753
Secure Integrity Auditing System for Electronic Patient Health Records using Advanced Encryption Techniques	Prof.Bidve M.P	Journal of Emerging Technologies and Innovative Research	2349-5162
Survey Paper on Prediction of Crop yield and Suitable Crop	Prof.Bidve M.P	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2319-8753
IOT Based Green House Monitoring, Vol.13, Issue 11, November 2023, pp. 07-13,	Dr.S.R.Halhalli	International Journal of Engineering Research and Applications,	ISSN: 2248-9622
Miniaturized Dual-Band Antenna For Bluetooth And Ultra-Wideband Applications,	Dr.S.R.Halhalli	IOSR Jou. of Electronics & Commn. Engg.,	e-ISSN: 2278-2834, p-ISSN: 2278-8735.

Volume 18, Issue 6, Ser. 1 (Nov-Dec, 2023), ,PP 15-21,			
AI and IOT bas ed Solar Power Monitoring with Street Light DOI: 10.9790/9622- 13110713	Dr.S.R.Halhalli	International Journal of ngineering Research and Applications	ISSN:2248- 9622
GSM Based Substation Power Monitoring and Controlling DOI: 10.9790/9622-13113844	Prof Bale V S	International Journal of ngineering Research and Applications	ISSN:2248- 9622
ARDUINO BASED SMART IRRIGATION DOI: 10.9790/9622-13114552	Prof. Shah V K	International Journal of ngineering Research and Applications	ISSN:2248- 9622
Development and Evaluation of Hexa-Band Frequency Reconfigurable Antenna for Wirless Communication, JETIR June 2023, Volume 10, Issue 6	Dr.S.R.Halhalli	Journal of Emerging Technologies and Innovative Research	ISSN:2349- 5162
Recent Advances in Ultra- Wideband Antenna Design: A Review	Dr.S.R.Halhalli	International Research Journal of Engineering and Technology	ISSN: 2395- 0056
Optimized Vedic multiplier using 3nm Nano sheet technology	Prof.Swati shetkar	IEEE conference	ISBN Number: 979- 8-3503-0661-3
Squaring circuit using 14 nm FinFET Technology Vedic Mathematics Approach	Prof.Swati shetkar	IETE Journal of Research	ISSN- 0377- 2063
Area ,Power Efficient Vedic Multiplier Architecture using Novel 4:2 compressor	Prof.Swati shetkar	Sadhana Indian Academy of Sciences	0256-2499
Rectangular Dual Band Microstrip Patch Antenna with Defected Ground Plane Using CST STUDIO”,	Prof. Mudda S.S	International Journal for Research in Applied Science & Engineering Technology	ISSN: 2321- 9653
A 5 G wireless communications compact dual band MIMO Antenna	Prof. J.S Hatte	JCT	ISSN 0731- 6755
A Novel Energy Efficient Routing Protocol Using K-	Ashwini A.Patil(Biradar)	Journal of Harbin Engineering University,	1006-7043

Means Clustering for Mobile Ad-Hoc Networks			
MACHINE LEARNING BASED ENERGY EFFICIENT ROUTING PROTOCOLS ANALYSIS FOR MOBILE AD-HOC NETWORKS	Ashwini A.Patil(Biradar)	Journal of Data Acquisition and Processing	1004-9037
Reinforcement Machine Learning-based Improved Protocol for Energy Efficiency on Mobile Ad-Hoc Networks	Ashwini A.Patil(Biradar)	INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	2147-6799
SQL injection Authentication Security Threat	Dr N M Halgare	International Journal of Electronic Security and Digital Forensic	1751-9128
Unsupervised Machine Learning based Energy Efficient Routing for Mobile Ad-Hoc Networks	Ashwini A.Patil(Biradar)	International Journal on Recent and Innovation Trends in Computing and Communication	2321-8169
Multiple critical disease detection using deep learning model	Deshmukh Sushant Diwkarrao	International Journal of Microsystems & IOT	ISSN-2584-0495
Seawater's impact on the mechanical properties of SiO <sub>2</sub> and TiO <sub>2</sub> fillers in glass reinforced epoxy composites	Dr. Mahesh C. Swami Balaji M. Dabade	Materials Today	2214-7853
The Mechanical Properties of SiO <sub>2</sub> and TiO <sub>2</sub> fillers in glass reinforced vinyl ester composites as a function of sea water	Dr. Mahesh C. Swami Balaji M. Dabade	Materials Today	2214-7853

**Conferences/book chapter publications during 2023-24 :**

<b>Name of the teacher</b>	<b>Title of the book/chapters published</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>Name of the conference</b>	<b>ISBN/ISSN number of the proceeding</b>
Asst.Prof.Ashwini A.Patil	Artificial Intelligence and Data science recent Trends				978-93-6132-361-4
Asst.Prof.Ashwini A.Patil	Software Engineering Essentials Building Robbust Applications				978-93-5673-556-9
Asst.Prof.Ashwini A.Patil	Advanced Research in Computer Science (Volume - 1)				978-93-92804-92-2
Prof. Mitkari M.M	A Fuzzy based Apporach for Battery Controller for Microgrid	A Fuzzy based Apporach for Battery Controller for Microgrid	A National Conference on Science, Technology, Engineering and Management 2023-24	A National Conference on Science, Technology, Engineering and Management 2023-24	ISBN 978-81-962882-7-3 ISBN 978-81-962882-8-0 (eBook)
Prof. Mantri L.R	A Fuzzy based Apporach for Battery Controller for Microgrid	A Fuzzy based Apporach for Battery Controller for Microgrid	A National Conference on Science, Technology, Engineering and Management 2023-24	A National Conference on Science, Technology, Engineering and Management 2023-24	ISBN 978-81-962882-7-3 ISBN 978-81-962882-8-0 (eBook)

Prof. Pate P.V.	A Fuzzy based Approach for Battery Controller for Microgrid	A Fuzzy based Approach for Battery Controller for Microgrid	A National Conference on Science, Technology, Engineering and Management 2023-24	A National Conference on Science, Technology, Engineering and Management 2023-24	ISBN 978-81-962882-7-3 ISBN 978-81-962882-8-0 (eBook)
Deshmukh Sushant Diwakarrao		Multiple Critical Disease Detetion Using Deep Learning Model		3 rd International Conference on Microelectronics, Communication Systems, Machine Learning & Internet of Things (MCMCI-2022)	ISSN-2584-0495
Prof.Swati Shetkar		Optimized Vedic multiplier using 3nm Nano sheet technology	IEEE conference	IEEE conference	ISBN Number: 979-8-3503-0661-3

**Extension and outreach programs :**

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Number of students participated in such activities
Tree plantation	M.S.Bidve Engineering College	Tree Plantation	<b>120</b>
Engineers Day Celebration	M.S.Bidve Engineering College	Engineers Day Celebration	<b>340</b>

Chess Competition	M.S.Bidve Engineering College	Competition	50
Living with climate change And water management	UNICEF	WHY WASTE	41
Youth leadership for climate action Bio cultural diversity conservation and climate change	UNICEF	WHY WASTE	41
Blood Donation	Bhalchandra Blood Bank Latur	Blood Donation	49
Meri Mati Mera Desh	M.S.Bidve Engineering College, Latur	NSS	150
Blood Donation & Health Check-up Camp	MESA In Association with Gurumauli MultiSpeciality Hospital,Latur	NSS	49

### Memorandum of Understanding :

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration
MOU between Kedar Khamitkar Associates, Latur and M.S. Bidve Engineering College,Latur	KKAL- Kedar Khamitkar and Associates Latur	11-04-2022	
MOU between Aditya Green.Latur and M.S. Bidve Engineering College,Latur	Aditya Green, Latur	08-09-2021	

MOU between Ndatta Electricals .Latur and M.S. Bidve Engineering College,Latur	N Dutta Electricals, Latur	09-07-2021	
Matter Softwares Pvt. Ltd. and M.S. Bidve Engineering College,Latur	Matter Softwares Pvt. Ltd.	2023	10 year
Palle Technologies Banglore	Palle Technologies Banglore	11-09-2023	5 year
Veterens India	Veterens India	25-02-2023	1 year
Disctrict Skill development , Employment and Enterprenuership Guidance CentreLatur	Disctrict Skill development , Employment and Enterprenuership Guidance CentreLatur	07-08-2024	1 year
Dhara Consultancy Services	Dhara Consultancy Services	21-09-2024	2 year
Educadd Training Institute Latur and Institute of MCA	Educadd Training Institute Latur	15-03-2023	3 years
Operand Technologies and IT solutions	Operand Technologies and IT solutions	01-01-2023	3 years
Param Corporation Waluj	Param Corporation Waluj	01-01-2023	1 year
Internshala	Internshala	12-09-2023	1 year
Reacha and MSBECL	Reacha	06-11-2023	1 year
Indian chamber of international bussiness	Indian chamber of international bussiness		
Skill Academy by Testbook	Skill Academy by Testbook	15-09-2023	1 year

GTT Solutions	GTT Solutions	30-09-2022	6 months
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### Capacity building and skill enhancement :

Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
Quiz Competition on Makers of Indian Literature	09-05-24 to 09-05-24	8	MSBECL
Bootcamp on Java Programming	05-04-24 to 16-04-24	24	Mr. Mayank Chmdratre & Yashwardhan Dhondge
Expert Lecture on Career Growth Opportunities in IT Industries	19-10-23 to 19-10-23	94	Karan Kanekar
Alumni Interaction Session for Career Development	14-10-23 to 14-10-23	73	Mr. Atirek Gupta (1997-2001) Batch
Expert talk on Innovation & Incubation	12-09-23 to 12-09-23	89	Mr. Vedant Patil
Aptitude Test Series	06-10-23 & 14-10-23	48 & 50	CSESA Association
Yoga & Meditation (International Yoga Day Celebration) For Faculty	21-06-2023 to 21-06-2023	30	S.R.Tandle (Professor and Yoga Teacher)
Avishkar 2024	26-11-2023	4	Gramin Technical and Management Campus Vishnupuri Nanded
Women Empowerment and Gender Equality drive (Health and Psychological Issues)	19-10-2023	170	Archana Amlapurkar, Founder, Ojas Yoga, Singapore.
Overcoming anxiety, depression, health issue and physiological Problems through yoga and meditation	19-10-2023	150	Archana Amlapurkar Yoga and Wellness Coach, Singapore
Ready Engineer	15-12-2023 to 10-03-2024	39	TATA Technologies ready.engineer@tatatechnologies.com
Ready Engineer	01-09-2023 to 30-11-2023	40	TATA Technologies ready.engineer@tatatechnologies.com
Seminar on Research Methodology	21-08-2023	42	Dr.S.D.Deshmukh (7385387491)

Seminar on Block chain Technology	22-08-2023	42	Mr.Dhappadule M.S (8855848458)
Induction program for MCAFY students	29-08-2023	31	MCA Department
Webinar on MCA Admission Process 2024-25	24-06-2024	45	MCA Department

### **Placements 2023-24 :**

Total offers received : 124

<b>Branch</b>	<b>Offers received</b>
Computer Science Engineering	21
Information Technology	17
Electrical Engineering	20
Electronics Engineering	08
Civil Engineering	14
Mechanical Engineering	39
Master of Computer Application	05

As our institute is located in rural area with the students coming from vernacular medium of education, our priority and thrust was to improve their communication and employability skills. For this we have worked mainly in two areas;

- i) Taking professional help to impart short duration course to improve communication and technical skills.
- ii) Involvement of alumni for getting internship, placement opportunities and arranging awareness programs for the opportunities available in the field in the respective domain.