



Vidya Prasarak Mandal's
Maharshi Parshuram College of Engineering, Velneswar
Hedvi-Guhagar road, At: Velneswar, Taluka: Guhagar,
Dist: Ratnagiri (Maharashtra) 415 729
(AICTE & DTE approved and affiliated to University of Mumbai)

Tel No. 02359-205237 / 38
E-mail:
mpcoe@vpmthane.org
URL:www.mpcoe.org

IQAC Annual Report for 2018-19

College Management under the leadership of Chairman and Principal, takes precedence in holistic development of students at the institute. Therefore, the institute offers a vibrant academic ambiance with excellent amenities, robust training with industry collaborations and student-centric activities on campus to promote the professional and personal growth of the students.

IQAC was set up on 8th Feb 2018 with the following purpose:

- To develop a system for conscious, consistent and catalytic improvement in the performance of institutions.
- To assure all the stakeholders connected with higher education about the quality of education provided by the institution

1. College contribution on Student Support Services

- The college is catering to the needs of students belonging to deprived communities of Scheduled castes, Scheduled tribes, other backward classes and low-income groups. SC/ST Students are encouraged to continue their education by way of Scholarships from Government and Non – Government Organizations
- National Service Scheme [NSS] encourage the students to take part in community development activities
- College sensitized the staff members towards the need to publish research papers. Staff are also encouraged to attend and present papers in seminars, conferences etc., and to publish research papers in journals of national and international repute.
- Faculties read subject related Research Papers through Journal Club at the respective departments.

2. IQACs contribution are in

- Teaching Learning process
 - Feedback on Teachers by the students under the guidelines of Principal.
 - Feedback on Institute by Faculties under the guidelines of Principal.
 - Question paper based on Blooms Taxonomy for Internal Assessment Test 1 and Test 2
- Subject wise special coaching classes for slow learners are conducted.
- Course Attainment (CO) towards quality improvement of Students.
- Industry Institute partnership cell builds a good relationship between the Industry and Institute for the welfare of the students by organizing guest lectures, seminars, workshops, industry visits, in-plant training, internships.
- A Grievance Redressal Cell is constituted to address the grievances of the students and parents through feedback.
- Mentorship program – Before the formation of IQAC, Mentor ship program was conducted at College under the guidance of Principal and Chairman. Mentorship program was reintroduced by IQAC.

Internship attended by Students:

Name of the Activity	Name of Convener	Name of Seminar/ Workshop	Date(s)
Department of Civil Engg			
1.Konkan Railways	HoD, Civil	Skilling Engineers for professional success (Location: Madgaon , Goa and Jammu Kashmir)	1 st Jan 2019 to 7 th Jan 2019. 8 th Jan to 14 th Jan 2019
2. Tata Power Skill Development Institute	HoD, Mechanical	Valves/Pumps/Power Plant Familiarization	5 th March 2019 to 9 th March 2019
3. Tata Power Skill Development Institute	HoD, Instrumentation	PLC Training Program	18 th Feb 2019 to 20 th Feb 2019

Industry Institute Partnership Cell Activities

Name of the Activity	Name of Convener	Name of Seminar/ Workshop	Date(s)
Department of Placement			
1.Tata Power Skill Development Institute, Mumbai.	TPO	Principal Meet	26-9-2018
Department of Instrumentation			
2 Industry Academia Meet	HoD, Instrumentation	Disha - Industry Academia Meet	18-3-2017

Journal Club Activities :

Department of Instrumentation Engg : Journal Club 2017-18 & 2018-19

Department of Instrumentation Engineering conducting journal club activity twice in a month from 2017 to till yet. This session will be conducted by every faculty rotationally in front of all department faculties and shares his views, outcomes, results and conclusion with respective presented paper.

Sr. No.	Date	Time	Name of the faculty	Topic and Journal details
1	14/10/2017	3:00-4:00 p.m.	Ms. Pradnya Gokhale	Plantar pressure measurement IJPRET 1(8)PAGE:176-185
2	28/10/2017	10:00-11:00 a.m.	Mr. Thorat Suraj	Ant colony optimization IEEE Asscss, 5 th June 2017, Vol:05 Page:10745-10756
3	11/11/2017	10:00-11:00 a.m.	Ms. Asmita Karande	Single tank spherical system ISOI Journal vol:47 page 20-23
4	25/11/2017	10:00-11:00 a.m.	Mr. Santosh Mahabale	Condition monitoring of oil using wireless sensor IJETI;Vol:35 No.2,May 2016,page No.74-79
5	09/12/2017	2:30-3:30 p.m.	Mr. Mahesh Pawar	Air flow rate measurement with various Differential pressure methods IEEE 2017,ICMT
6	23/12/2017	9:15-10:15 a.m.	Mr. Vikas Nandeshwar	Classification of orange juice adulteration using LDA IEEE (1 st conference)(PEIC &ES)
7	27/01/2018	10:00-11:00 a.m.	1.Mr. Mohire Abhay 2.Mr. Surve Rushikesh 3.Ms. Ukarde Sayali 4.Ms. Utekar Pooja	Design and Development of a Level Sensor IEEE Conference (9-10 Feb. 2018)
8	24/02/2018	10:00-11:00 a.m.	Ms. Pradnya N. Gokhale	Clinical diagnosis of various cancer patients using PET/CT scan Journal of IP &AI Vol.2 Issue 3 2016
9	23/03/2018	10:00-11:00 a.m.	Mr.Surajkumar Sawai	Observed based SMC IEEE paper
10	21/04/2018	10:00-11:00 a.m.	Ms.Najuka Jagtap	Target controlled anesthetic drug infusion ICIC 2015 IEEE
11	12/05/2018	09:30-10:00 a.m.	Ms.Pradnya Gokhale	How to write a good paper for journal Elswier Hahal Uni. Oct 22,2008

12	21/07/2018	10:00-11:00 a.m.	Mr.Sadanand Gite	Performance Enhancement of binary batch distillation column 2014,ICCICCT
13	04/08/2018	10:00-11:00 a.m.	Mr.Umesh Satpute	Optimized floating point square root,IEEE ICSIOT 2018
14	18/08/2018	10:00-11:00 a.m.	Mr.Avinash Pawar	Adoption of IEEE standards IEEE(1858-1748)2017
15	01/09/2018	10:00-11:00 a.m.	Mr.Suraj Thorat	Singing voice detection in polyphonic music
16	22/09/2018	10:00-11:00 a.m.	Mr.Najuka Jagtap	Smart wrist watch IEEE conference published in 2016
17	20/10/2018	10:00-11:00 a.m.	Mr.Prashuram More	Mobile hardware software
18	17/11/2018	10:00-11:00 a.m.	Mr.Umesh Satpute	Design and development of secured IOT device prediction framework IEEE 2018
19	01/12/2018	10:00-11:00 a.m.	Mr.Vikas Nandeshwar	Design of room cooler using fuzzy logic control system IJCA(0975-8887)ICCT 2015
20	22/12/2018	10:00-11:00 a.m.	Ms.Pradnya Gokhale	Automatic saline switcher IEEE ICECCT 2019
21	16/03/2019	10:00-11:00 a.m.	Mr.Sadanand Gite	One step towards industry 4.0 IEEE CASE

Department of Mechanical Engg : Journal Club 2017-18 & 2018-19

Sr No	Date	Time	Name of faculty	Topic, Journal details
1	07/11/17	10.30am	Mr Anand Biradar	Modeling and optimization of surface grinding using NSGA
2	13/11/17	10.30am	Mr Rajnitu Rakshskar	Beveling behavior of scheduling composite
3	25/11/17	10.30am	Mr P V Bapat	Design and manufacture of fruit extractor
4	09/12/17	2.30pm	Mr Vinayak Hiremath	Effect of heat output on mechanical properties of friction stir welding
5	23/12/17	9.15 am	Mr Anand Patange	Structural health monitoring static and dynamic strain data from long grain distributed FGB sensor
6	27/01/18	03.00pm	Mr. Prashant Bhise	Nondestructive evolution of porosity content in curved corner section of composite
7	24/02/18	10.00am	Mr. PP Sharma	Friction factor estimation for turbulent flows in corrugated pipe with rough wall
8	24/3/18	10.10am	Mr. B A Patil	Solar hot air drying chamber for castor capsule
9	7/4/18	10.30am	Mr. A D Chaudhari	Facts in induct hybrid power system
10	21/04/18	10.00am	Mr P V Bapat	Relevance of micro finance towards poorly elevation
11	7/5/18	10.00am	Mr Vinayak Hiremath	Jet gravity of unproved thermal stability
12	12/5/18	11.00am	Mr. PP Sharma	Finite element analysis of material removal in ultrasonic machining
13	21/5/18	10.30am	Mr Anand Patange	Influence of grinding parameter on force and energy
14	26/5/18	9.30am	Mr Anand Biradar	Prediction of grading parameter of force in grinding
15	2/6/18	10.30am	Mr Mahesh Kale	Productivity improvement of manufacturing of diesel engine by MOST technique
16	7/7/18	10.30am	Mr B A Patil	Treatment of sulfate containing in waste water

Department of Mechanical : Journal Club 2018-19

Sr No	Date	Time	Name of faculty	Topic, Journal details
1	14/7/18	11.00am	Mr Rajnitu Rakshskar	Characteristics of hybrid mmc using Al3 O2
2	21/7/18	10.30am	Mr Mahesh Kale	Analysis and simulation of factory layout using ARENA
3	28/7/18	10.30am	Mr. A D Chaudhari	High Efficiency turbine and method of generating poer (USA Patent)
4	11/8/18	12.30pm	Mr P V Bapat	Advance Manufacturing Technique(3 D Printing)
5	1/9/18	10.00am	Mr Mahesh Kale	Assembly line performance and modeling
6	8/9/18	10.00am	Mr Anand Biradar	Status of maintenance management in swedish manufacturing firm
7	22/9/18	10.30am	Mr Anand Patange	Virtual instrument for measurement thin film by strain gauge sensor.
8	6/10/18	10.30am	Mr Vinayak Hiremath	Performance characteristics of a biodiesel fueled of CI engine
9	22/10/18	10.00am	Mr. PP Sharma	Real time vision based mobile robot navigation in outdoor envirnoment.
10	17/11/18	10.00am	Mr B A Patil	A Research paper on Design and Analysis of Shaftless Steam Turbine
11	08/12/19	10.00am	Mr. PP Sharma	A review on Biodiesel production as alternative fuel
12	14/12/19	03.00pm	Mr Rajnitu Rakshskar	Analysis of valve gear mechanism
13	12/01/19	10.30am	Mr Mahesh Kale	Design and modification of chaff cutter machine
14	19/01/19	09.20am	Mr Vinayak Hiremath	Performance analysis of Biogas with fixed and floating drum.

Department of Electrical Engg : Journal Club 2017-18

Sr No	Date	Time	Name of faculty	Topic, Journal details
1	9/12/2017	9:00am	Mr. Shankar P.R.	Optical Conductor selection in RDS using ABC Algorithm
2	23/12/2017	2:30pm	Mr. Santosh kumar Hunachal	Reactive power compensation By SVC
3	27/1/2018	4:00pm	Mr. Mahesh kumar Kamad	MEMS Flowcymeter
4	24/02/2018	3:30pm	Ms Ramadevi Rudra	Active power Filters
5	10/3/2018	9:30 am	Mr. Yogesh Katdare	C.W. Voltage Multiplier
6	24/3/2018	9:30am	MS. Priti Sathe	Power flow study and analysis using STATCOM
7	12/5/2018	2:45pm	Mr. Ratnadeep Keer	Blooms Taxonomy
8	26/5/2018	1:00pm	Ms. Shruti Tetambe	Soil Moisture Sensor
9	14/7/2018	2:30pm	Mr. Ratnadeep Keer	Future Trends in Electric manufacturing industry
10	21/7/2018	12:00pm	Mr. Shankar P.R.	Optimal Placement and size of DG in Radial Distribution System
11	22/12/2018	10:30am	Ms. Dhanashri Sawant	Solar Thermal Power Plant
12	15/12/2018	10:00am	Mr. Dattatraya Kalel	Direct Torque control of Induction Motor

Department of Civil Engg : Journal Club 2017-18 & 2018-19

Sr No	Date	Time	Name of faculty	Topic, Journal details
1	14/10/17	4.15 PM	Mr. Shekhar Sawant	Steel Fibre Reinforced concrete
2	14/10/17	4.45 PM	Mr. Mandar Pawari	Replacement of cement by Metakaoline
3	11/11/17	4.15 PM	Ms. Komal Shinde	Sustainable Desertification management through Ecological Indicators: a Case study of

				Gwalior Division
4	17/11/17	3.30 PM	Ms.Chetana Khedekar	Long Lasting Deodorant
5	17/11/17	4.00 PM	Mr.Venkatesh Taduvai	Effect of glass fibre on PBT
6	01/12/17	2.45 PM	Mr. Shekhar Sawant	Development of cold formed steel and timber : Compression Member
7	01/12/17	3.15 PM	Mr.Nandkishor Chougule	Econometric analysis of SEZ's in India
8	01/12/17	3.45 PM	Ms.Gauri Kadam	Image Filtering and Analysis of semiconductor material in Nanoscale
9	23/12/17	2.30 PM	Ms.Komal Shinde	Generation of Deccan trap Magmas
10	24/02/18	2.45 PM	Ms.Geetanjali Sawant	Utilization of demolished waste as fine aggregates in concrete.
11	20/06/18	3.30 PM	Ms.Gauri Kadam	Real time ultrasonic rail health monitoring system for both heavy haul loads and high speed train
12	21/06/18	3.30 PM	Ms. Geetanjali Sawant	Impact of residential street design on fuel consumption
13	11/08/18	3.30 PM	Mr.Nandkishor Chougule	Utilization of marble slurry in cement mortar
14	11/08/17	4.00 PM	Mr Mandar Pawari	Waste water treatment using vermifiltration at institute level
15	18/18/18	2.30 PM	Mr.Venkatesh Taduvai	Seismic performance of a RC Frames with vertical stiffness irregularity from pushover analysis.
16	12/09/18	1.00 PM	Ms. Komal Shinde	Integration of remote sensing and GIS techniques for load monitoring and damage assessment.
17	12/09/18	12.30 PM	Ms.Geetanjali Sawant	Reverse osmosis purification: a Case study of the Niger Delta region.

Department of EXTC : Journal Club 2017-18

Sr. No	Date	Time	Name of faculty	Topic, Journal details
1	24/11/2017	10:00am	Mr. Prashant Mahajan	HPC system for wireless Interconnect(ME Project)_
2	25/11/0217	10:00am	Mr. Atul Samant	Object Recognition & Presence Detector, Simulation using Lab view (International Journal of Management & Applied Science)
3	27/11/0217	3:00pm	Mr. Sandeep Dwivedi	Artificial Intelligence and Human Thinking
4	28/11/2017	10:30am	Mr. Vinod Salunkhe	Light intensity control system using Android application
5	29/11/0217	11:00am	Ms. Bhakti Gangan	Lossless Compression of JPEG photo Collection (IEEE Transaction on Image processing)
6	30/11/2017	11:00am	Mr. Prathamesh Ghanekar	Neural Network Approach for Pattern Recognition(IJSER June 2012)
7	1/12/2017	10:00am	Mr. Gajanan Khapre	Automatic cursor movement with eye gaze tracking(IEEE Trans.on Human Machine System)
8	4/12/2017	3:00pm	Mr. Sushil Sirsat	Secure key management scheme for WSN(Indian Journal of mobile Communication & Networking, Vol.6 No.2)
9	6//12/2017	10:30am	Mr. Deepak Dange	Computer vision enhancement & Plant leaf disease detection (International Journal Modern Technology & Research)
10	9/12/2017	10:00am	Mr. Prashant Mahajan	High Linearity & high gain folded cascade amplifier for narrow band

				receiver application (Microelectronics Elsewhere, 2016)
11	23/12/2017	11:30am	Mr. Prathamesh Ghanekar	Automatic modulation classification for cognitive Radio(IEEE Circuits & systems Magazine, Second quarter2009)
12	13/01/2018	10:00am	Mr. Atul Samant	Remote Monitoring probe with MIB & MDB (IOP conference series, Material Science & Engineering)
13	27/01/2018	3:00pm	Mr. Sufiyan Mukadam	Performance improvement in wireless sensor network system(Indian Journal of mobile Communication & Networking, Vol.6 No.1)
14	10/02/2018	10:00am	Mr. Sandeep Dwivedi	Robotics and Intelligent Systems in Support of Society
15	24/02/2018	3:00pm	Mr. Gajanan Khapre	Digital Nervous System(Digital Commons @University of Nebraska)
16	10/03/2018	10:30am	Mr. Deepak Dange	Comparative analysis of filters in image processing(International Journal of Signal Processing, Image Processing, Pattern Recognition)
17	24/03/2018	3:00pm	Mr. Vinod Salunkhe	Speech Recognition using image processing
18	7/04/2018	2:30pm	Ms. Bhakti Gangan	Probabilistic Neural Network for Brain Tumor Classification (second International Conference on Intelligent systems, Modeling & simulations)
19	5/05/2018	10:00am	Mr. Sufiyan Mukadam	Design of Power Optimization using C2H (International Journal of Computer science & mobile

				Computing)
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Internship program Activities (Sample Details)

Surname	First name	Class	Branch	Name of the company	Address of the company with pin-code	Internship From date	Internship to date
Gudekar	Ganesh	BE	Mech	L&T Company	10th floor , A wing TC 2, Gate 5 ,saki vihar road , powai , Mumbai 400072	17-12-2018	16-01-2019
Amdekar	Chaitanya	SE	Mech	Hexagon Nutrition Pvt. Ltd.	Plot no. 92 A, Unandanagar Lakhmapur, Tal-Dindori, Dist-Nashik pin-422 202	24-12-2018	01-05-19
Dongare	Yogesh	TE	Mech	Vinati organics Ltd	Plot no.A-20 MIDC Industrial Area Lote parshuram,Tal -Khed ,Dist - Ratnagiri ,Pin -415722	27-12-2018	01-10-19
Mayekar	Sahil	SE	Mech	KANSAI NEROLAC PAINTS LTD.,	Lote Parshuram Industrial Area,Taluka Khed,Dist. Ratanagiri - 415 722	29-12-2018	01-05-19
Sawal	Rahul	TE	Mech	Thermal instrument Pvt. Ltd. Mangaon	At post mangaon,Tal -Kudal, District-sindhudurg,pin code-416519	26-12-2018	01-04-19
Sawal	Rahul	TE	Mech	Thermal instrument Pvt. Ltd.Mangao n	At post Mangaon,Tal-Kudal ,Dist-Sindhudurg,Pin -416519	26-01-2019	01-04-19
Jadhav	Shubham	BE	Mech	BAFNA MOTORS (Ratnagiri) Pvt.Ltd	D-24, M.I.D.C. Mirjole Ratnagiri-415639	19-06-2017	07-04-17
Shinde	Ajay	TE	Mech	Varun Engineering Agro Pvt. Ltd.	Plot no. 36,37,64,65,Dr.Patangrao kadam estate, Tal- Palus, Dist- Sangli, Pin no-416310	15-12-2018	01-05-19
CHAVAN	TANMAY	SE	Mech	PETHE BRAKE MOTOR PRIVATE LIMITED	Brake motors house, Modkaghar,village:Guhagar, Taluka:Guhagar,Dist:Ratnagiri,Pin:41 5703	20-12-2018	01-03-19

Pawar	Rajanikant	SE	Mech	Pethe Brake Motors Private Limited	At.post.varveli, taluka. Guhagar, Dist Ratnagiri pin code 415703	20-12-2018	01-03-19
Chavan	Arnav	SE	Mech	PETHE BRAKE MOTORS PRIVATE LIMITED	Brake motors house,modkghar,varveli,guhagar-415703,ratnagiri	20-12-2018	01-03-19

N. Gokhale

Mr.Nikhil Gokhale
IQAC Coordinator

