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

Tel No. 02359-243102/3/4
Fax No. 02359-243102
E-mail:
mpcoe@vpmmpcoe.org
URL:www.vpmmpcoe.org

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 cognetic 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)

Journal Club Meeting

Date: 24/02/2018   Time: 3:00 pm

Topic: Digital Nervous System.

Speaker: Mr. Gajanan khapre

Present members:-

① Mr. Sufiyan Mukadam.
② Mr. Sushil Sirsat
③ Mr. Pzethamesh Ghanekar.
④ Mr. Vinod Salunkhe
⑤ Mr. Atul Samant
⑥ Mr. Deepak Dange.
⑦ Mr. Prashant Mahajan.
⑧ Ms. Bhakti Gangan.

Points

① Litroatun Rewivew of DNS.
② Research Design and methodology.
③ Project Description and Data collechon.
④ Data Ao analysis and Result Discussion.
⑤ Conclusion and Recommondahon

Journal Club Meeting
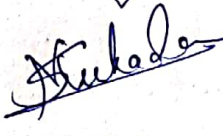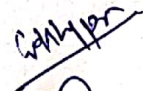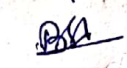
Date: 10/02/2018   **Time:** 10:00 am

Topic: Robotics & Intelligent System in Support of Society.

Speaker: Mr. Sandeep Dwivedi

Present members:-

① Mr. Sufiyan Makdam.

② Mr. Gajanan Khapre.

③ Mr. Prashant Mahajan.

④ Ms. Bhakti Gangan.

① Robotics us is the humanless system working as helping to society.

② Nural Network & robotics includes the intelligent system.

③ Combining the robotics & intellegent system, we can design multiple application in different areas like, agricultural, Defence medical. and manymore.

Journal Club Meeting

Date: 10/03/2018   Time: 10:30 am

Topic: Comparative Analysis of filters in IP.

Speaker: Mr. Deepak Dange,

Present members:-

① Mr. Sufiyan Mukaddam
② Mr. Sandeep Dwivedi
③ Mr. Sushil Sirsat
④ Mr. Pruthamesh Ghanekar
⑤ Mr. Gajanan Khapre
⑥ Mr. Prashant Mahajan
⑦ Mr. Atul Samant   —
⑧ Ms. Bhakti Gangen.

① Different types of filters used in image processing.

② Best filters for image to get best results

③ Particular filters are used for particular application.

④ Average filter, mean filter etc are different filter are used in image processing.
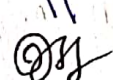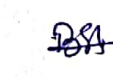
Journal Club Meeting
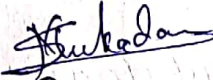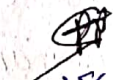
Date: 24/03/2018   Time: 3:00 pm.

Topic: Speech Recognition using Image Processing.

Speaker: Mr. Vinod Salunkhe.

Present members:-

① Mr. Sufiyan Mukaddam
② Mr. Deepak Donge
③ Mr. Sandeep Dwivedi
④ Mr. Sushil Sirsat
⑤ Mr. Pruthamesh Ghanekar.
⑥ Mr. Gajanan Khapre.
⑦ Mr. Prashant Mahajan.
⑧ Mr. Atul Samant
⑨ Ms. Bhakti Gangan.

1) Matlab implementation.
2) Database generation regarding different sign languages.
3) Speech recognition methods
4) Segmentation & extraction from image.

Journal Club Meeting

Date: 23/12/2017   Time: 11:30 am
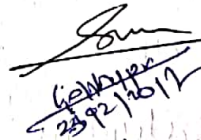
Topic: AMC in Cognitive Radio.

Speaker: Mr. Preethamesh Ghanekar.   PPGhanekar
                                                23/12/17

Present members:-
1) Dr. A.M. Chinchalkar.
2) Dr. Shilpa Deorukhakar.
3) Mr. Sufiyan Makadam.
4) Mr. Gajanan Khapre
5) Mr. Deepak Dange
6) Ms. Bhakti Gungan.
7) Mr. Ketan Kundia
8) Ms. Vinodini Salvi
9) Mr. Prashant Mahajan
10) Mr. Atul Samant.
11) Dr. S.V. Deorukhak

Topics discussed -

① Cognitive radio concept

② Spectrum Sensing techniques

③ Cyclostationarity of signals

④ Cyclic domain profiles of signals

⑤ Modulation techniques in analog domain

Journal Club Meeting

Date: 09 - 12 - 2017

Time: 10:00 am.

Topic: High Linearity & High Gain folded cascade ampl^r for NB Rx^r Appl^n
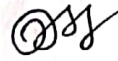
Speaker: Mr. Prashant Mahajan.

Present members:-

① Mr. Sufiyan Mukddam

② Mr. Atul Samant

③ Mr. Vinod Salunkhe

④ Mr. Prathamesh Cthanekar.

⑤ Mr. Gajanan Khapre

⑥ Mr. Prashant Mahajan

⑦ Ms. Bhakti Gungan.

Points Discussed:-

① Narrow Band applications

② Cascode amplifier

③ Folded Cascode amplifier

④ Implementation in ADS 2016

Journal Club Meeting

Date: 6-12-2017   Time: 10:30am

Topic: Computer vision enhancement & plant leaf diesease detn?

Speaker: Mr. Deepak Dange.

Present members:-

① Mr. Atul Samant

② Mr. Gajanan Khapre.

③ Mr. Prashant Mahajan.

④ Mr. Parthamesh Ghanekar

⑤ Ms. Bhakti Gangein.

① Matlab implementation

② Detection of plant diesease according to the images taken from field.

③ Enhancement of the image for better results

④ Segmentation & Exetraction of the feature from image

Journal Club Meeting

Date: 4-12-2017   Time: 3:00pm

Topic: Secure key Management for WSN'

Speaker: Mr. Sushil Sirsat

Present members:-

① Mr. Deepak Dange

② Mr. Atul Samant

③ Mr. Gajanan Khapre

④ Mr. Prathamesh Ghonekar

⑤ Mr. Prashant Mahajan.

⑥ Ms. Bhakti Gangan.

About Topic:
- Wireless sensor Networks uses any kind of wireless devices. Some of them are nodes and some of them are co-ordinates.
- WSN is like is network of which will connect each of node distinctly for communication.
- For such network primacy is important so we are providing the secure key to WSN which will secure the WSN. to avoid data breach.

Journal Club Meeting

Date: 1/12/2017   Time: 10:00 am

Topic: Automatic Cursor movement with eye gaze tracking.

Speaker: Mr. Gajanan khapre.

Present members:-

① Mr. Vinod Salunkhe

② Mr. Pourthamesh Ghanekar

③ Mr. Atul Sumant

④ Mr. Gajanan khapre

⑤ Mr. Prashant Mahajan

⑥ Ms. Bhakti Gangen.

Points to Discussed

① overview of conventional Eye tracking system
② Proposed methodology
   ① Eye Detection
   ② Eye tracking
   ③ Key frame Extraction
   ④ Cursor pointing
⑤ Result and Discussion
⑥ Experiment setup.
⑦ Performance Analysis
⑧ conclusion
→ Algorithm when Implementy

Journal Club Meeting

Date: 30/11/2017   Time: 11:00 am.

Topic: Neural Network Approach for Pattern Recognition.

Speaker: Mr. Prathamesh Ghanekar

Present members:-

① Mr. Atul Samant

② Mr. Vinod Salunkhe

③ Mr. Gajanan Khapre

④ Mr. Prashant Mahajan

⑤ Ms. Bhakti Gangan.

Topics disussed -

① Neural network concept

② MATLAB for neural network.

③ Back propagation algorithm

④ Performance matrix

⑤ Pattern recognition

Journal Club Meeting

Date: 25|11|2017   Time: 10:00 AM

Topic: Object recognition & presence detector simulat? using LABVIEW.

Speaker: Mr. Atul Samant.

Present members:-

① Mr. Prashant Mahajan

② Mr. Sushil Birsat

③ Ms. Bhakti Gangan.

④ Mr. Deepak Dange

⑤ Mr. Vinod Salunkhe

⑥ Mr. Gajanan Khapre.

→ The topic carries out discussion about how the LABVIEW helps to show the recognised objects and the system to do so.

National Instruments (NI) has developed this software and it is user friendly, can be used in industry where mass production is done. It is also used in automation industries.

Journal Club Meeting

Date: 24/11/2017   Time: 10:0AM

Topic: HPC System for wireless interconnect.

Speaker: Mr. Prashant Mahajan.

Present members:-

① Mr. Prathamesh Ghanekar

② Mr. Gajanan Khapre

③ Ms. Bhakti Gangan

④ Mr. Vinod Salunkhe

⑤ Mr. Deepak Dange.

Points discussed.

① HPC System requirement

② Wireless Interconnects

③ CMOS Versus finFET

④ 60GHz frequency spectrum for interconnect.

Journal Club Meeting

Date: 21-07-2018   Time: 10:00am

Topic: Teaching Methodology for EXTC.

Speaker: Mr. Deepak Dange.

Present members:-

1. Ms. Bhakti Gangan
2. Mr. Vinod Salunkhe
3. Mr. Prathamesh Ghanekar
4. Mr. Gajanan Khapre
5. Mr. Prashant Mahajan
6. Mr. Sushil Sirsat

1. New teaching techniques according to the interest of students
2. flipped classroom, technique
3. Ans-question in classroom for attentive and intresting classroom teaching
4. Subjectwise teaching in classrooms

Journal Club Meeting

Date: 14/07/2018   **Time:** 2:30

Topic: Fractal Reconfigurable of antenna using PIN Diode.

Speaker: Mr. Sushil Sirscat.

Present members:-

① Mr. Prashant Mahajan

② Mr. Prathamesh Ghanekar —

③ Mr. Deepak Dange. —

④ Ms. Bhakti Gangan. —

⑤ Mr. Atul Samant —

- PIN diode is having P type material and N type material sandwitched by Intrinsic layer.
- Due to reverse bias voltage applied across P-N junction the diode will act as capacitor.
- As capacitance is inversly proportional to frequency applied and capacitance is directly proportional to Area and inversly proportional to distance between the plates.
- As we are increasing the reverse bias voltage distance between plates increases and frequency operated increases.
- In this presentation the fractal antenna is design in a such way that it will operates on 6 different frequencies.

Journal Club Meeting

Date: 28/11/2017   Time: 10:30 a.m.

Topic: Light Intensity Control System using Android Application

Speaker: Mr. Vinod Salunkhe.

Present members:-

① Mr. Atul Samant

② Mr. Prathamesh Ghanekar

③ Mr. Gajanan Khapre

④ Mr. Prashant Mahajan.

1) AVR studio for AVR microcontroller.
2) Android application requirement.
3) Light intensity algorithems.
4) Interfacing of different modules.

Journal Club Meeting

Date: 29 - 11 - 2017   Time: 11:00 am

Topic: Lossless Compression of JPEG Photo Collection

Speaker: Ms. Bhakti Gangan   Bhh

Present members:-

① Mr. Deepak Dange   *(signature)*

② Mr. Atul Sumant   *(signature)*

③ Mr. Vinod Salunkhe   *(signature)*

④ Mr. Prathamesh Ghanekar   *(signature)*

⑤ Mr. Gajanan Khapre   *(signature)*

⑥ Mr. Prashant Mahajan.   *(signature)*

Points Discussed :-

① Novel lossless compression method to reduce th[e]
size of a set of JPEG correlated images.

② It removes inter/intra image redundancies in featur[e]
spatial & frequency domain.

③ Compare to JPEG coded image collection, this met[hod]
achieves average bit saving of more than 3[1]

Journal Club Meeting

Date: 27/01/2018   Time: 3:00

Topic: Performance improvment in WSN system

Speaker: Mr. Sufiyan mukadam   Mukada

Present members:-
1. Mr. Sushil Sirsat
2. Mr. Sandeep Dwiwedi
3. Mr. Deepak Pange
4. Mr. Gajanan Khapare
5. Mr. Prathmesh Ghonekar
6. Mr. Prashant Mahajan
7.

Points Discussed.
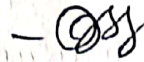
1. Wireless Sensor network system.
2. Aduancement in terms of Technology in WSN System.
3. Different layers in Architecture of. WSN System.
4. Characteristics of WSN System.
5. Application of WSN System.

Journal Club Meeting

Date: 13/01/2018   Time: 10:00am

Topic: Remote Monitoring probe with MIB & MDB.

Speaker: Mr. Atul Samant.

Present members:-

① Mr. Sushil Sirsat
② Mr. Deepak Dange
③ Mr. Vinod Salunkhe.
④ Mr. Prathamesh Ghanekar
⑤ Mr. Prashant Mahajan,
⑥ Mr. Gajanan Khapre
⑦ Ms. Bhakti Gangan.

⇒ The topic contains the information about Telecommunication network management and in that nexus how MIB & MDB works. These are databases that helps network manager to manage the network, upgrade it and troubleshoot it effectively. one can add, delete or modify the component information with the help of these databases.

Journal Club Meeting

Date: 7/04/2018   Time: 2:30 pm.

Topic: Probabilistic Neural Network for Brain Tumor Classification

Speaker: Ms. Bhakti Gangan.

Present members:-

1. Sushil Sirsat

2. Prashant Mahajan

3. Sandeep Dwivedi

4. Deepak Dange

5. Atul Samant

6. Vinod Salunkhe

7. Prathamesh Ghanekar

Points Discussed:-

1. Probabilistic NN with images & data processing tech.

2. Performance of PNN classifier is was evaluated in terms of accuracies & training performance.

3. PNN is implemented for classificatⁿ of MR brain images.

4. PNN classifier is workable with an accuracy of 73% to 100% according spread values. (1 to 3).

Journal Club Meeting
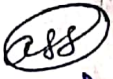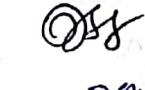
Date: 5/05/2018   Time: 10:00 am
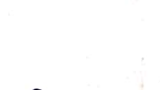
Topic: Design of power optimizat⁰ using C2H.

Speaker: Mr. Sufiyan Mukadam.   *Mukadam*

Present members:-

① Mr. Prashant Mahajan

② Mr. Sushil Sirsat

③ Mr. Sandeep Dwived.

④ Mr. Vinod Salunkhe

⑤ Mr. Deepak Dange

⑥ Mr. Prathamesh Ghanekar

⑦ Mr. Atul Samant

⑧ Ms. Bhakti Gangan.

Point Discussed:

① Brief explanation of C2H hardware Accelarator.

② Modern tools used for optimization of power.
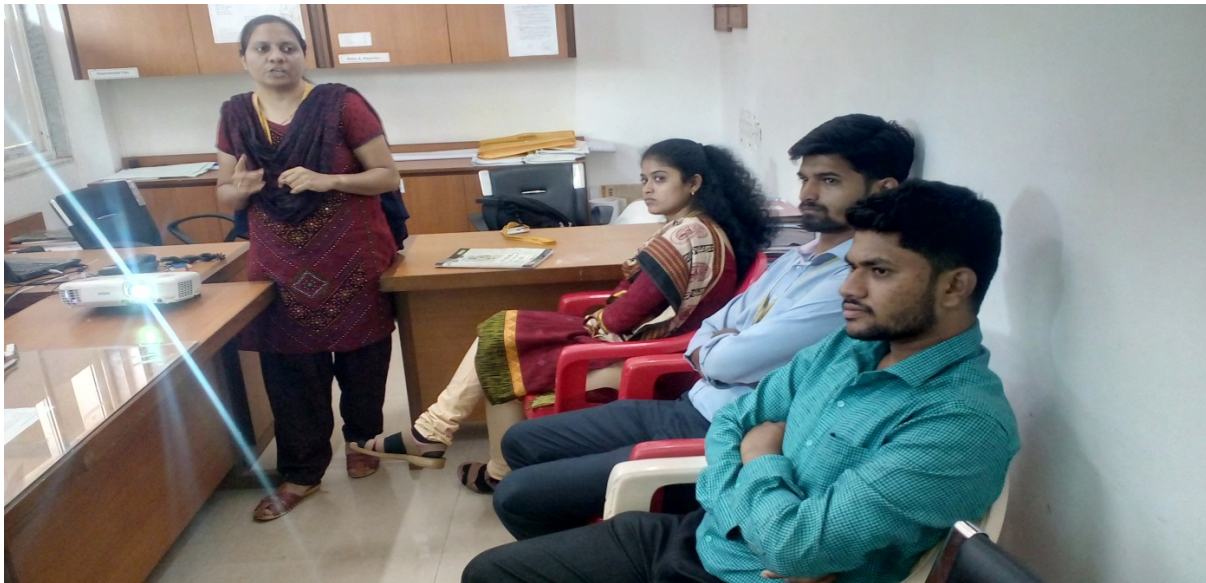
③ NIOS-II Processor Architecture.

④ Bottle neck concept.

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, 5th 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**

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.

Detail record is as follows:

14/10/2017

28/10/2017

1/11/2017

25/11/2017

09/12/2017

SR No	Date	Time	Name	Topic	Journal details	Sign
01	09/12/12	2.20 h / 3.20 h	Mr. Mahesh Pawar	Air flow Ratemeasurement with various Differential Pressure Methods	IEEE 2012, International Conference on Intelligent Technologies (ICMT)	

Outcome of discussion :—

This paper is for air flowrate measurement by using differential pressure methods i.e. (i) ISA 1932 Nozzle (ii) Venturi Nozzle (iii) three hole pressure probe.

For low air flow rate measurement we can use first method and last two methods are for high air flow rate measurement. The difference of the results of different methods was within 4%. For lemniscate flare bellmouth inlet the discharge coefficient was set to 0.96.

To define discharge coefficient with higher precision comparision of bellmouth inlet with certified airmeter using standardized method.

Sr. No.	Name of faculty	Sign
01	Ms. Pushpa Gowhale	
02	Ms. Najuka Jagtap	
03	Ms. Jyoti T. Kadam.	
04.	Thorat Suraj Mohan.	
05.	Mr. P.V. Bapat	
06	Mr. V.S. Hiremath	
07	Anand Birodar	
08.	Mr. A.D. chaudhari	
09.	Mr. Avinash P. Pawar	
10.	Mr. Anand Patange	
11.	Mr. Parshant P Bhoc	

23/12/2017

SR No	Date	Name	Topic	Journal details	Sign
06	23/12/17 9.12–10.15	Mr. Vikas Nandeshwar	Classification of orange juice Adulteration using LDA, PCA & ANN	1st IEEE International conference on Power Electronics, Intelligent control & Energy system	

Outcome of discussion :—

The objective of this work is to characterize a low cost, robust, bio-compatible fractional order based sensor to detect various adulterate of orange juice samples.

The classification of orange juice samples using LDA, PCA and ANN has been described.

The data classification with LDA, PCA and ANN are compared using Discrimination Index (DI) & finally the best classification method has been identified using DI value.

Sr. No.	Name	Sign
1.	Dr. A.M. Chincholkar	
2.	Ms. Jagtap Najuta B.	
3	Ms. Amita S. Karande	
4.	Mr. P.V. Bapat	
5	Mr. G.B. Hiskmath	
06	Mr. Anand Birodar	
07	Ms. Jyoti T. Kadam	
08	Mr. Sawai S.V	
09	Mr. V.J. Nandeshwar	
10	Mr. R.A. Potil	
11.	Mr. A.A. Patange	
12.	Ms. P. Gilchal	
13.	Mr. Parshuram Mox.	

27/01/2018

SR No	Date	Name	Topic	Journal details	Sign
07	27/01/18	Abhay Mohite, Rushikesh Surve, Gayali Ukarde	Design and implement of sensor	IEEE conference.	

Guided by : Mr. Avinash Pawar

Outcome of discussion

This sensor is can be used in industrial and domestic applications, where the wastage of water is need to be avoid.

The sensor doesn't require power supply, so it is useful at area where problems of electricity is occurred.

Any unskilled person also can handle this type of level sensor because of its easy handling, low cost & flexibility.

Name of faculty	Sign
① Avinash P. Pawar	
② Mr. Santosh B. Chaturbhuj	
③ Ms. Vikas Nandeshwar	
④ Mr. Mahesh Pawar	
⑤ Mr. Sawai S.V.	
⑥ Mr. Thorat Suraj Mohan	
⑦ Ms. Amita S. Karande	
⑧ Ms. Pushpa Galchal	
⑨ Mr. Parshuram Mox.	

24/02/2018

23/03/2018

21/04/18

12/05/2018

Date	Name of faculty	Paper title/subject	Journal	Sign
12/03/18 9.30 to 10 a.m.	Ms P Wakhale	How to write a good paper for Journal	Elsevier Mahal Uni Oct 22, 2008	

Paper Outcome :—
This paper and presentation gives a brief idea regarding process of doing research, publishing paper and preparation process of thesis writing. It discuss issues regarding daily griding, strategic grinding editing, drafting, effective writing ethics rights and permission.
The paper completely focuses on research method.

Name of faculty	Sign
Mr Suraj M. Thorat	
Mr Nomin S. Karoule	
Mr Poshuram More	

6.3.3 Training programme organized by an institution for teaching and non-teaching staff during last five year

Year	Sl. No.	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-18	1	Journal Club	NA	From 23/12/2017 to 23/12/2017	9	0
2017-18	2	Journal Club	NA	From 14/10/2017 to 14/10/2017	6	0
2017-18	3	Journal Club	NA	From 1/12/2017 to 1/12/2017	6	1
2017-18	4	Journal Club	NA	From 17/11/2017 to 17/11/2017	5	0
2017-18	5	Journal Club	NA	From 9/12/2017 to 9/12/2017	9	0
2017-18	6	Journal Club	NA	From 24/02/2018 to 24/02/2018	9	0
2017-18	7	Journal Club	NA	From 20/06/2018 to 20/06/2018	3	1
2017-18	8	Journal Club	NA	From 21/06/2018 to 21/06/2018	4	1

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	23/12/ 2017	2.30pm to 3.00pm	Komal shinde	Generation of Deccan Trap magmas	Shinde.
2					

Outcome of discussion:

Ms. Komal shinde delivered her journal club lecture on Reasearch article "Generation of Deccan Trap magmas" The paper by Gautam sen.

She explained the terms: Deccan, Trap, magmas, and How the magma / Lava is erepted. Also the procedure of generation of Deccan Trap, its general features, where the deccan Trap are present, magma generation and mantle plume theory.

Attendance

Name of faculty/staff   Sign
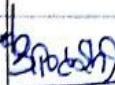
① Ms. Gauri charudatta Kadam   Kadam
② Ms. chetana Khedekar   Khedekar
③ Ms. Komal shinde   Shinde.
④ Mr. Venkatesh Todavai   C. Venko
⑤ Mr. shekhar sacwant   Sawant
⑥ Ms. shruti Tetambe   Tetambe
⑦ Ms. Dhanashri Sawant   Sawant
⑧ Shilpa Deorukhaler
⑨ Ms. Santoshkumar M. Hanagudd

Ms

Ms Komal Shinde delivering Journal club lecture on 23/12/17

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	14/10/17	4.15 pm to 4.45pm	Mr. S. G. Savant	steel fibrer reiforced concrete.	(Spotash)
2	14/10/17	4.45 Pm to 5.15 Pm	Mr. M. J. Pawar	Replacement of cement by metakaoline	(Pawar) 14/10

Outcome of discussion:

1) Mr. Sawant delivered his lecture on Research article "Steel fibre reinforced concrete" presented by Hisham et.al published in urban and environmental Engg. journal vol. 4. In this study authors conducted test on plain and steel fibre reinforced concrete cylinder. The fibre volume percentage varied from 0.5 to 1 %. Authors concluded that fibre reinforced concrete shows increasing intensile strength and ductility of steel fibre reinforced concrete As compared to plain concrete.
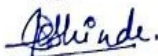
ii) Mr. Pawar delivered his lecture on Reasearch article " Replacement of cement by Metakaoline. By adding Metakaoline in concrete ingradient, it shows good resistance to acid Attack.

Attendance
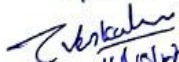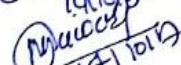
Name of faculty/staff	Sign
Ms. K. s. shinde	Shinde. 14/10/17
Mr. V. Taduvai	14/10/17
Mr. M. J. Pawar	(Pawar) 14/10/17
Ms. G. C. Kadam.	(Kadam 14/10/17
Ms. G. A. Sawant	(Sawant 14/10/17
Mr. G. G. Savant	(Spotash)
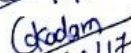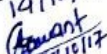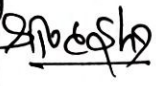
Mr.Shekhar Sawant delivering journal club lecture on 14/10/17

Mr.Mandar Pawari delivering journal club lecture on 14/10/17

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	01/12/17	2.45 pm to 3.15 pm	Mr. Shekhar Sawant	Development of cold formed steel and timber comp. : compression member.	
2	01/12/17	3.15 pm to 3.45 pm	Mr. Nandkishor Chougule.	Econometic analysis of SEZ's - India	

Outcome of discussion:
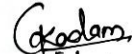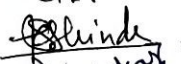
1) Mr. Nandkishor Chougule has delivered his lecture on Research article "Econometric Analysis of SEZs in India" Studied by K. Balsubhramanyam. He explain the effect of SEZ's in India and China and Economical growth of Country based on SEZ's. FDI, GDP, EPZ, employment study by analyzing previous data.

2) Mr. Shekhar Sawant has delivered his lecturer on Research article "Development of cold formed steel and timber" studied by Ali Awaludin, Made Aryati, Kundari Rachmawati. He Explain an efforts to increase buckling performance of cold-formed steel z-section, C-section and double c-section by attaching timber laminas to their web part using screws.

Attendance

Name of faculty/staff   Sign

① Gauri Charudatta Kadam   C Kadam.

② Ms. Komal Shinde

③ Ms. Chetana Khedekar   Khedekar

④ Mr. Venkatesh Taduvai

⑤ Mr. Nandkishor Chougule

⑥ Mr. Shekhar Sawant.

⑦ Mr. Sanjiv Rahate
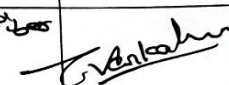
Mr.Shekhar Sawant delivering journal club lecture on 01/12/17

Mr.Nandkishor Chougule delivering journal club lecture on 01/12/17

Journal Club Report
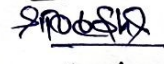
Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	17/11/17	3.30-4.00	Ms. Chetana J. Khedekar	Long lasting deodrant	*Khedekar*
2	17/11/17	4:00-4:30 PM	Mr. V. Taduvai	Effect on glass fiber on PBT	*V.Venkatesh*

Outcome of discussion:

(1) Ms. Chetana Khedekar delivered her journal club lecture on Research article "long lasting deodrant". she explained the Need of the deodrant, their process and the elements like Natural herb alcohol and the basic hygroscopic material to make deodrant long lasting.

(2) Mr. Venkatesh Taduvai delivered his journal club lecture on Research article 'Effect of glass fiber on PBT - An Experimental study. He explained the effect of PBT for physicomechanical properties and for thermal properties by experimental study. He concluded that many of the properties like load carrying capacity, Hardness, sp. gravity has been improved,

Attendance

Name of faculty/staff   Sign

1. Ms. Komal Shinde   *Shinde*.
2. Mr. Shekhar Sawant   *Sawant*
3. Ms. Gauri C. Kadam.   *Kadam*
4. Ms. Geetanjali A. Sawant   *Sawant*
5. Ms. Chetana J. Khedekar   *Khedekar*
6. Mr. V. Taduvai   *V.Venkatesh*

Ms. Chetana Khedekar delivering journal club lecture on 17/11/17

Mr Venkatesh Taduvai delivering journal club lecture on 17/11/17

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	9/12/17	9.15 AM 9.45 Am	Mr. Shankar P. R.	OPTIMAL CONDUCTOR SELECTION IN RADIAL DISTRIBUTION SYSTEM, ELSEVIER	P.R.Shankel
2	9/12/17	9.45 AM to 10.15 AM	Ms. Chetana Khedekar	Long Lasting Deodrant	Khedekar

Outcome of discussion:

① Ms. Chetana Khedekar delivered her journal club lecture on Reasearch article ' long lasting deodrant. She explained the Need of the deodrant, their process and elements like Natural herb alcohol and basic hygroscopic material to make deodrant long lasting.

② Mr. Shankar P. R delivered His journal club lecture on Reasearch article ' optimal Conductor selection in Radial Distribution system, elsevier.

Attendance

Name of faculty/staff   Sign

① Gauri C. Kadam.   CKadam
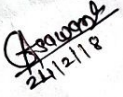
② N.S. Chougule

③ G. A. Sawant.   Sawant

④ P.R. Sathe   Sathe

⑤ Ms. S.S. Tetambe   Tetambe
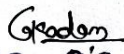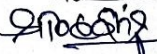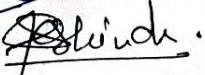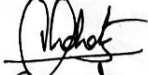
⑥ D.J. Sawant   Sawant

⑦ V. Taduvai   Verkala

⑧ M.J. Panasi   Manas

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	24/02 2018	2.45 pm to 3.15 pm	Geetanjali sawant	Utilization of demolished waste as fine aggregate in Concrete	Sawant 24/2/18
2					

Outcome of discussion:

Ms. Geetanjali Sawant delivered her Journal club lecture on Reasearch article " utilization of demolished waste as fine aggregate in Concrete. paper by Mohd Monish, Vikas Srivastava, A V.C. Agarwal and Rakesh Kumar.

she explained the study part of compressive program wherein experimental investigations have been carried out to acess the effect of partial replacement of fine aggregate by demolished waste on workability and compressive strength of recycled concrete for the study at a period of 7 to 28 days. The results showed the Compressive strength of recycled concrete with 10% fine aggregate replacement by demolished waste has been found to be marginally lower than Conventional concrete

Attendance

Name of faculty/staff	Sign
1) Gauri charudatta kadam	Kadam
2) Shekhar G. Sawant	
3) Venkatesh.S. Taduvai	Venkat
4) M. J. Pawar	Pawar
5) Ms. K.s.shinde	Shinde
6) Mr. Sanjiv S. Rahate	
7) Mr. Chetan Rahate	
8) Ms. Geetanjali Sawant	Sawant
9) Ms. Nandkishor chaugule.	

Ms. Geetanjali Sawant delivering journal club lecture on 24/02/18

Journal Club Report

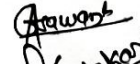| Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	20/06/2018	3.30 pm to 4.00pm	Ms. Gauri C. Kadam.	Real-time Ultrasonic Rail Health monitoring system for both Heavy	Kadam 20/06/2018
2				Haul Loads and High Speed Train.	

Outcome of discussion:

Ms. Gauri Kadam delivered her speech journal club lecture on Reasearch article " Real time ultrasonic rail health monitering system for both Heavy Haul Loads and high speed train - South Africa Overview by Nawaz Mohamed and Bohus Sun. she explained the Research and development of ultrasonic rail crack detecting system in South Africa. she explained the world-first Commercial real-time continuously railway integrity monitoring system which is installed to the orex railway line in South Africa, and its working & operation system.

Attendance

Name of faculty/staff	Sign
Ms. Geetanjali sawant	_(signature)_
Mr. Shekhar Sawant.	_(signature)_
Mr. Mandar Pawar	_(signature)_ 20/06/18
Mr. Sanjiv Rahate	_(signature)_
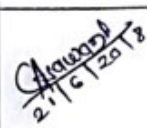
Ms. Gauri Kadam delivering journal club lecture on 20/06/18

Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	21/6/18	3:30 – 4:00	Ms. Geetanjali A. Sawant	Impact of residential street design on fuel consumption	Sawant 21/6/2018

Outcome of discussion:

Ms. Geetanjali A. Sawant delivers a journal club presentation on research article named as 'Impact of residential street design' on fuel consumption.

This paper includes comparison of fuel consumption on 4 alternative street patterns for Regina, canada. Among these grid pattern & valac superblock pattern are energy efficient. Four patterns are explained. RATAM analysis which is used for calculating the fuel budget & fuel efficiency is explained by her.

Attendance

Name of faculty/staff   Sign

Mr. Mandar. J. Purwal
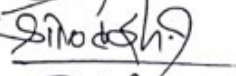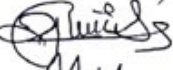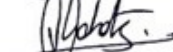
Ms. Shekhar Sawant

Mr. Sanjiv Rahate

Mr. Chetan Rahate

Ms. Gauri C Kadam.

Ms. Geetanjali Sawant delivering journal club lecture on 21/06/18

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

Journal Club Curriculum

Objectives
1) To critically appraise the literature
2) To develop an approach to the analysis of the various types of articles (methodology, technology, applications, demerits and merits, etc)
3) To understand the basis of hypothesis
4) To understand the basis of testing (prevalence, sensitivity, specificity, positive and negative predictive values)
5) To understand how results of study can be used in applications
6) To have record of research activity for NAAC eligibility

Core Curriculum
1) Journal club will held on 2nd and 4th Saturday of each month, for I hour without fail.
2) Minimum 2 faculties will present journal paper review in each session
3) All faculties will receive a index copy of journals from library
4) Articles should be chosen from **subscribed journals** only
5) Presentations/lecture/poster should be organized
   eg. as follows: 10 minutes background,/ article 15 minutes analysis 5 minutes discussion
6) Faculties are encouraged to critically appraise the literature, and develop their own independent criticisms.
7) **Department will maintain record of this activity in given format and acknowledge by the Principal.**

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	09/12/17	09.00	P.R.Shankar	OPTICAL CONDUCTOR SELECTION IN RDS USING ABC ALGORITHM	P.R.Shankar
2					

Outcome of discussion:

* llosses of Radial Distribution system
* conductor selection
* optimization techniques

Attendance
Name of faculty/staff   Sign

S.S.Tetambe
P.R-Sathe
Sawant D.J.

Journal Club Curriculum

Objectives

- To critically appraise the literature
- To develop an approach to the analysis of the various types of articles (methodology, technology, applications, demerits and merits, etc)
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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	23/12/17	2.30 to 3	Mr. Santoshkumar Hunachal	Reactive Power Compensation by SVC	*(signature)*
2					

Outcome of discussion:

→ Operating characteristics SVC in inductive & Capacitive mode & with tested on 9 Bus slm

Attendance
Name of faculty/staff

Ms. Chetana J. khedekar.
Ms. S. S. Tetambe
Ms. G-c Kodam
Dr Shilpa Deondekar
Ms. V. Todurou
Sawant D. J.

Sign
(signatures)

Journal Club Curriculum

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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	27/1/18	16:00	MAHESH KUMAR	MENS FLOWcytometry	(w)
2					

Outcome of discussion:

flowtheters advantages.
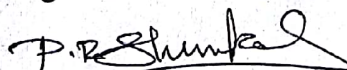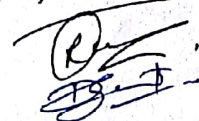
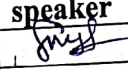| Attendance Name of faculty/staff	Sign
P. R. Shankar	P.R.Shankar
Ms. Ramadevi Rudra Sawant D J	

Journal Club Curriculum

Objectives
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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	24/02/18	3·30	Ms. Ramadeuï Rudra	Active Power Filter	(sign)
2					

Outcome of discussion:

Adv of filters.

Attendance
Name of faculty/staff   Sign
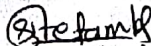
S. S. Tetambe   (sign)
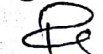
P. R Sathe   (sign)

Sawant D.J.   (sign)

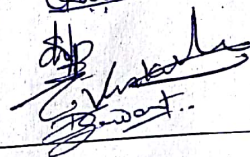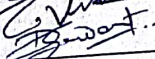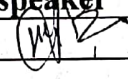Swapnil mohite   (sign)

Journal Club Curriculum

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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	10/3/18	9:30	Mr. Yogesh Katdare	C-w vly.. multiplier	
2					

Outcome of discussion:

(1) efficiency improvement of cock-roft vly. multiplier cler axalls,

(2) Optimum no. of stages calculation.

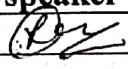| Attendance	Sign
Name of faculty/staff	
Mso Ramadeu Rudra	
Ms. S.S. Tetambe	Tetambe
ms Priti Sathe	
Mr. P.R. Shankar	P.R.Shankar
Ms. Sawant D J	

Journal Club Curriculum

Objectives
1) To critically appraise the literature
2) To develop an approach to the analysis of the various types of articles (methodology, technology, applications, demerits and merits, etc)
3) To understand the basis of hypothesis
4) To understand the basis of testing (prevalence, sensitivity, specificity, positive and negative predictive values)
5) To understand how results of study can be used in applications
6) To have record of research activity for NAAC eligibility

Core Curriculum
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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	12/5/18	2·45-3·15	mr· R·V·Keer	Bloom's Taxanomy (BT)	Keer
2					

Outcome of discussion:
- Bloom's Taxanomy has been introduced.
- Explained different levels with examples.
- Discussed how we can implement BT in classrooms & assessments
- Ask faculties to develop thinking based learning in students.

Attendance

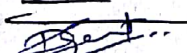| Name of faculty/staff	Sign
Priti Sathe	Sathe
Ramadevi Rudra	
Mahesh pawar	
Santosh Kumar hunadi.	
Shankar PR.	

Journal Club Curriculum

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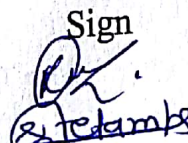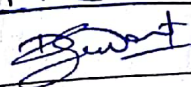7) **Department will maintain record of this activity in given format and acknowledge by the Principal.**

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	24/03/11	9-30	Mrs. Priti Sathe	Power Flow study & analysis using STATCOM	Sathe
2					

Outcome of discussion:

SVC Compensation.

Analysis process.

Attendance
Name of faculty/staff   Sign

Mr. Satish Ghospade

Mr. Santoshkumar M Hunachal

Mr. Maheshkumar

Mrs. Ramadevi Rudra

Ms. Shweta Tetambe

Mr. Yogesh Katdare

Journal Club Curriculum

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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1,	26/5/18	1:00pm	Shruti Tetambe	Soil moisture Sensor	Tetamb
2					

Outcome of discussion: of soil moisture sensor.
1. Equivalent circuit is introduced.
2. Working principle of soil moisture sensor.

Attendance
Name of faculty/staff   Sign

Ms Priti Rathe   Rathe

Mr P.R. Shankar   P.R.Shankar

Mr R.V. Keer   Keer

Journal Club Curriculum

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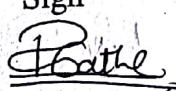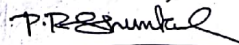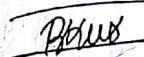6) To have record of research activity for NAAC eligibility

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Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	14/7/18	2-30	Mr. R.V.Kere	Future Trendz in Electrical Manufacturing Industry	Kere
2					

Outcome of discussion:
- Discuss newer technology IOT, machine learning, AI
- Industries 5S a lean six sigma.
- Switchgear equipment detail.

Attendance

Name of faculty/staff	Sign
1) Santosh. M thuawehd	Syd
2) Katdare Uogesh Y.	Y.y
3) kalel Dattatroya D.	tdet
4) Ms. Ramgadeui Rudra	
5) MS Pnh Sathe	Sathe

Journal Club Curriculum

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Journal Club Report

Sr No	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	21/7/18	12:00 Pm	Mr. Shankar P.R.	OPTIMAL PLACEMENT & SIZING OF DG IN RADIAL DISTRIBUTION SYSTEM	P.R.Shankar

Outcome of discussion:

* How to over come loss in Radial distribution system

* DG Placement benefits

* Reduction of losses

Attendance

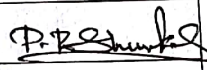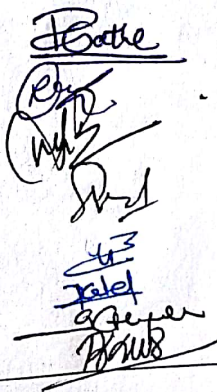| Name of faculty/staff	Sign
Ms Priti Sathe	Sathe
Ms. Ramadevi Rudra	
Mr. Mahesh kumar	
M. Santosh, M. Hunchel	
Mr. Katdare Y.Y	
Mr. kalel D.D.	kalel
Ms. Satish N. Ghorpade	
Mr. Ratnadeep V. Keer	

Journal Club Curriculum

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Journal Club Report

r No	Date	Time	Name of faculty/staff	Topic, Journal details	Sign of speaker
1	22/12/18	10:30	Ms. Dhanashri Sawant	Solar thermal Power Plant	Sawant..

Outcome of discussion:
- Types of solar thermal Power Plant.
- Advantages & disadvantages.

Attendance
Name of faculty/staff   Sign

Kathare Y·Y,

Journal Club Curriculum

bjectives

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ournal Club Report

0	Date	Time	Name of faculty	Topic, Journal details	Sign of speaker
1	15/12/18	10:00			
		10:00	Mr. Dattatroya D- Kale	Direct torque control of Im drives	*signed*

Outcome of discussion:

i) Difference betⁿ scalar control, & vector control & DTC.

ii) Direct torque control mathematical modelling
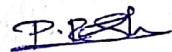
Attendance

Name of faculty/staff	Sign
Priti Sathe	
Ratnadeep Keer	
P. R. Shankar	P.R.Sh
S. M. Hunachal	