



**Minutes of Fifth Academic Council Meeting** 

Minutes of the meeting of **5<sup>th</sup> Academic Council (AC)** held on **12-06-2019**, at 11.00 am in institute boardroom under chairmanship of Prof. R. A. Kanai, Executive Director.

The chairman welcomed gathered members present for Academic Council meeting.

Following members were present for the first Academic Council Meeting:

Sr. No	Name	Position
1.	<b>Prof. R. A. Kanai,</b> Executive Director, ADCET, Ashta	Chairman
2.	<b>Dr. L.Y. Wagmode,</b> Registrar, ADCET, Ashta	Member
3.	<b>Dr. V. S. Bandal,</b> Principal, Government Polytechnic College, Karad	Member
4.	<b>Dr. A.G.Kharat</b> Professor, JSPM's Rajarshi Shahu College of Engineering, Pune	Member
5.	<b>Mr. Manish Malojirao Patil</b> Director, Samruddhi Tbi Foundation, Sangli	Member
6.	<b>Dr.(Mrs.) J. P. Jadhav</b> Professor, Biochemistry Department, Shivaji University, Kolhapur.	Member
7.	<b>Dr. R. R. Kumbhar</b> Principal, P. D. V. P. College, Tasgaon, Sangli	Member
8.	<b>Dr. S. P. Chavan</b> HoD, Mechanical Engineering, ADCET, Ashta	Member
9.	<b>Mrs. S. S. Shinde</b> HoD, E & Tc, ADCET, Ashta	Member
10.	<b>Dr. S. H. Bhandari</b> HoD, CSE, ADCET, Ashta	Member
11.	<b>Mr. M. D. Patil</b> HoD, Electrical Engineering, ADCET, Ashta	Member
12.	<b>Mr. S. S. Mohite</b> HoD, Civil Engineering HoD, Basic Sciences, ADCET, Ashta	Member
13.	<b>Dr. I. M. Jamadar</b> HoD, Automobile, ADCET, Ashta	Member
14.	<b>Mr. S. B. Hivarekar</b> Head Image Building & Admission Dean Students and Staff Affairs, ADCET, Ashta	Member



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Sr. No	Name	Position
15.	<b>Dr. A B Shinde</b> Dean Research & Development, ADCET, Ashta	Member
16.	<b>Mr. S. S. Sayyad</b> Dean Campus Recruitment and Corporate Affairs, ADCET, Ashta	Member
17.	<b>Mr. V. B. Patil</b> Controller of Examinations, ADCET, Ashta	Member
18.	<b>Mr. P. D. Kulkarni</b> Dean Industry Institute Interaction cell, ADCET, Ashta	Member
19.	<b>Mr. K. J. Burle</b> NBA Central Coordinator of Institute, ADCET, Ashta	Member
20.	<b>Dr. Henk Eijkman</b> LQF Project Manager, ADCET, Ashta	Invited Member
21.	<b>Dr. N. D. Sangle</b> Dean Academics, ADCET, Ashta	Member-Secretary

Dr. B. N. Chaudhari, Deputy Director, College of Engineering, Pune, Dr. P. J. Kulkarni, Ex. Deputy Director, Walchand College of Engineering, Sangli, Dr. P. Bangaru Babu, Professor, Department of Mechanical Engineering, NIT Warangal, Dr. B.S. Gawali, Professor, Department of Mechanical Engineering, Walchand College of Engineering, Sangli, Mr. Govind G. Oza Director, Precision Automation and Robotics India Limited (PARI) Satara, were unable to attend due to their personal engagements. The chairman allowed carrying the proceedings of Academic Council.

**Agenda Item No.1:** To confirm the minutes of 4<sup>th</sup> meeting of Academic Council held on 14-05-2018

Dr. N. D. Sangle, at the commencement of meeting did welcome of all the members. He also took the brief review of the points discussed in 4<sup>th</sup> meeting of Academic Council held on 14-05-2018. All members of Academic Council confirmed the minutes of said meeting. Dr. A. G.



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Kharat suggested that any suggestion from any member in Academic Council Meeting should be termed as 'Proposed by' and 'Seconded by'. Dr. N. D. Sangle accepted this suggestion and affirmed him to implement the same.

**Agenda Item No.2:** To place before the Academic Council the report about the action taken on the decisions of its 4<sup>th</sup> meeting held on 14-05-2018

Report about action taken on the decisions of its meeting 4<sup>th</sup> meeting held on 14<sup>th</sup> May 2019 read by Dr. N. D. Sangle. Discussion carried about action taken by institute and appreciated by all.

Agenda Item No	Decisions Taken	Action Taken
3 To discuss F. Y. B. Tech. result	Academic Council members insisted that concerned faculty members should find the reasons of failure in a course and do the root cause analysis.	ESE is planned on 14 to 25 May 2018. After that we will do it.
4 To ratify the action taken by the chairman under subsection 11.1.6 of section 11 of rules and regulations	Academic Council members allowed non eligible students of ESE to appear for summer term. All members of Academic Council agreed upon 75% attendance should be only criteria for students to appear for ESE.	Summer term is planned for non eligible students of ESE odd semester, during the period 28 May to 24 June 2018. Decision is implemented as it is 75% attendance is the only criteria for eligibility of ESE.
5 To discuss and approve the	To Modify the statements of grace and condonation marks rules	Grace and condonation rules are modified.



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Agenda Item No	Decisions Taken	Action Taken
6	To take the approval for the scheme of awards for meritorious students from Governing Body after certain changes in the scheme	After certain changes in the scheme, scheme of awards for meritorious students was discuss in Governing Body meeting and finalized.
7	Prepare S.Y. B. Tech. Curriculum and take the approval from corresponding BoS members also include mandatory courses, Audit Courses and Bridge courses in the curriculum.	S.Y. B. Tech. Curriculum is prepared. BoS meeting was arrange 21/4/2018-CSE, CE, AU,BA 28/4/2018-ME, ET,EE,AE After BoS meeting, curriculum is finalized, also included mandatory & audit courses.
9	To circulate AICTE model curriculum among the faculty members	Curriculum is circulated to all Deans, HoDs and faculty members. Meetings on discussion of AICTE model curriculum were arranged at departmental level.

Dr. V. S. Bandal proposed to present course structure in academic council and course content in BOS meeting. Dr. Kharat seconded this suggestion. Dr. N. D. Sangle presented the Remedial



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Classes results. Dr. V. S. Bandal suggested mentioning the beneficiaries of the same. Dr. Mrs. J. P. Jadhav proposed to change remedial classes teacher if he is not giving up to the mark results. This was seconded by Dr. V. S. Bandal.

**Agenda Item No.3:** To discuss and approve curriculum contents of T.Y. B. Tech

Dr. N. D. Sangle presented the T. Y. B. Tech. structure and curriculum of all departments to the council. Mr. Manish Patil narrated his experiences in industry and suggested to include real life problems in curriculum. Dr. V. S. Bandal suggested to consider Bloom's Taxonomy while framing the new structure and curriculum and also proposed to refer AICTE model curriculum. He highlighted the importance of industry 4.0 Revolution. Dr. Mrs. J. P. Jadhav suggested to include industry needed curriculum content. Dr. V. S. Bandal informed the meeting about Examination Reform Policies of AICTE. He also proposed to include 'Emerging Trends in the Domain' as a sixth unit in a course wherever possible. It was seconded by Dr. Mrs. J. P. Jadhav. Dr. V. S. Bandal suggested to have one page preamble of BoS meeting discussion for information in Academic Council. Dr. N. D. Sangle accepted this suggestion and affirmed him to implement the same.

**Agenda Item No.4:** To discuss and approve new structure of curriculum to be implemented from academic year 2019-20 as per AICTE new guidelines

Dr. N. D. Sangle presented the new structure of institute as per AICTE new guidelines, which is to be implemented from academic year 2019-20. He also presented the F. Y. B. Tech. curriculum. He mentioned that, total credits of institute lies in between 165 to 170. Institute has provided flexibility to all departments for framing the curriculum. In new structure open electives are included in fifth, sixth and



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seventh semester. Total open electives are 36. Along with open electives professional electives, student's internship and mandatory courses are included in structure.

Dr. A. G. Kharat proposed the implementation of institute new structure and F. Y. B. Tech curriculum and Dr. V. S. Bandal seconded it.

Dr. N. D. Sangle presented the minor and honors degree scheme of the institute. He mentioned that, for minor degree scheme students shall select courses from other discipline where as for honors degree scheme students shall select courses only from self discipline. He added that, for minor degree scheme applicant student must have a minimum CGPA of 7.25 up to third semester whereas in honors degree scheme applicant student must have a minimum CGPA of 6.25 up to third semester. All courses are online from NPTEL/Swayam /edX/ Coursera/Udacity etc., minimum period of one course: Six week or 20 hours course, participant shall select one course in every semester from list of courses of a branch, before facing oral examination of CoE he/she shall submit the certificate of MOOC course of respective platform.

Dr. V. S. Bandal suggested to refrain the term degree by certificate. All members of academic council agreed on this point of agenda item.

Dr. N. D. Sangle presented the students performance in ESE. He mentioned that Students passing percentage in ESE is less as compare to ISE and MSE, students are not taking ESE examination seriously.

Dr. N. D. Sangle proposed separate passing in ESE and internal examination to council. Dr. V. S. Bandal seconded it.

**Agenda Item No.5:** To note the F.Y. & S.Y. B. Tech. student's performance & To ratify the action taken by the chairman under subsection 11.1.6 of section 11 of rules and regulations

Mr. V. B. Patil, CoE of institute presented the F.Y. & S.Y. B. Tech. student's performance of academic year 2018-19. Academic council members suggested to do the root cause analysis of the courses having



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low result. Dr. V. S. Bandal suggested to CoE to present the highlights of examination practices and results in next. Mr. V. B. Patil accepted this suggestion of council members.

Member Secretary presented information about the action taken by the chairman under the subsection 11.1.6 of section 11 of rules and regulations. He informed that, 44 students do not maintain the minimum 75% attendance and 20 students are detained for ESE. Academic Council approved the decision.

**Agenda Item No.6:** To discuss and finalize the Research and Development Policies of the Institute.

Dr. Anil B. Shinde, Dean-R&D, briefed about R&D policies to be adopted in the institute. The R & D policies contain the minimum quality standards and aspects that need to be followed by the faculty and students during their research manuscript submission and publication. After due discussion on policies for publications in journals and conferences, the academic council has approved the said policies for implementation.

**Agenda Item No.7:** To discuss and recommend proposal for Food Technology and Artificial Intelligence

Dr. N. D. Sangle informed to council that institute is starting Food Technology branch from academic year 2019-20. The proposal of the same is already approved by academic council. He also informed to council that institute is starting Artificial Intelligence branch from academic year 2020-21. All council members unanimously passed the congratulation resolution of institute.

**Agenda Item No.8:** To note accreditation status of UG programme

Dr. N. D. Sangle informed to council that all the courses of institute are provisionally accredited by NBA. Period of validity is 30/06/2020. He also added that, recently Aeronautical engineering departments is provisionally accredited by NBA with validity 30/06/2022. Institute is also accredited by NAAC with A grade, in first cycle with CGPA 3.01, as per executive committee recommendation of NAAC certificate is valid up to March 2<sup>nd</sup>, 2022.



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All council members unanimously passed the congratulation resolution of Aeronautical Engineering and institute.

Dr. V. S. Bandal mentioned to try for six year accreditation, for this concentrate for the criteria second and third of NBA. He also added that 700+ marks are required to get six year accreditation.

**Agenda Item No.9:** To discuss the professional development activities

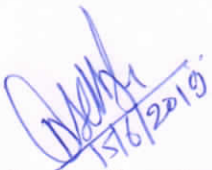
Dr. Henk Eijkman, Project Manager of Learning Quality Framework, mentioned the importance of professional communication in placement and higher studies. He also informed that institute is going to start the departmental professional development activities on every Wednesday.

All the council members appreciate the effort of Dr. Henk.

**Agenda Item No.10:** Any other item with the permission of chair

Dr. Mrs. J. P. Jadhav suggested to do the video shooting of meeting as per UGC new norm. Chairman accepted this suggestion.

Dr. N. D. Sangle, Member Secretary, thanked every member for being present to the meeting and expected the same co-operation as well in the future.

  
Member Secretary  
Academic Council

  
Chairman  
Academic Council





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**Journal Paper List  
2017-2018]**

Sr. No.	Name of Authors	Title Of Paper
01	P. A. Pisal, S. B. Hivarekar	Groundwater Quality Assessment In Chikurde Basin, Sangli District, Maharashtra, India
02	P. G. Chandak, S. S. Sayyad	A State Of The Art Review Of Different Conditions Influencing The Behavioural Aspects Of Flexible Pavement
03	G. S. Kate	Risk Management And Mitigation For Building Construction Project In Sangli District
04	P. A. Mali, M. R. Katti, S. S. Patil	Maintenance Of Construction Equipment Is Important on Production In Construction Project
05	R. R. Chavarekar	Planning & Designing Of Zero Energy Residential Building
06	M. M. Bhanuse, S. S. Patil, R. V. Jadhav, P. A. Mali, M. R. Katti	Analysis Of Design And Pre Engineered Building On Industrial Workhouse

**Conference Paper List  
[2017-2018]**

Sr. No.	Faculty Name	Title of the Paper
01	P. A. Pisal, S. B. Hivarekar	Groundwater Quality Assessment In Chikurde Basin, Sangli District, Maharashtra, India
02	R. A. Patil, G. M. Bhosale	Sediment Yield Estimation And Soil Conservation For Agrani River Basin Using Geospatial Techniques.
03	R. A. Patil, V. M. Patil	Water Security Assessment In Semi-Arid Region Using Geospatial Techniques.
04	P. B. Bhagawati	Studies On Electrochemical Treatment Of Pulp And Paper Mill Waste Water

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**Journal Paper List**  
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Sr. No.	Name Of Faculty	Title Of Paper
01	Mr. P. A. Pisal Mr. S. B. Hivarekar Mr. S. S. Mohite Mr. R. A. Patil	Groundwater quality assessment for drinking & irrigation purpose in Minche - Savarde basin, Kolhapur district.
02	Mr. R. V. Jadhav Mr. S. S. Patil Mr. M. M. Bhanuse	To study the strength of concrete due to partial replacement of river sand by waste foundary sand
03	Mr. P. G. Chandak	Performance Evaluation of Low Volume Rural Roads- A State-of-the-Art Review.
04	Prof. G. S. Kate	Case Study of Risk factors involved in Public Private Partnership Power Transmission projects in India
05	Prof. G. S. Kate	Case study of Purnia (Bihar) to Biharsharif ( Bihar) 400 kv D/C Power Transmission line project in India
06	Prof. P. G. Chandak	Review and assessment of flexible pavement
07	Prof. K. K. Shinde	Review Paper on Design of RC Irregular Building According to Different Seismic Design Codes
08	Prof. S. S. Mohite	A Review on Seismic analysis and design of mass and stiffness R.C. Building frames with different codes
09	Prof. S. S. Mohite	A review on A Case Study on Structural Assessment of Dudhgaon Grampanchayat Building By Using Non-Destructive Testing.
10	Prof. S. S. Patil	Review on Comparative Study on the Behavior of RCC, Steel and Composite Structures for Different story heights.
11	Prof. K. K. Shinde	Review Paper on Contribution of Slab Type on Structural Systems in Multistoried R.C.C. Building
12	Prof. S. S. Patil	Review on Parametric Study of Plate Girder for Different Stiffener Arrangements Using Cold Form Material Keeping Stiffener Length Constant
13	Prof. V. M. Patil	Review paper on Axial Behaviour of Circular and Square Steel Hollow Section with FRP Strengthening

**Conference Paper List**  
**[2018-2019]**

Sr. No.	Faculty Name	Title of the Paper
01	Prof. S. S. Mohite	Seismic analysis and design of mass and stiffness R.C. Building frames with different codes
02	Prof. S. S. Mohite, Prof. S. S. Patil,	Parametric Study of Plate Girder Using Different Stiffener Arrangement Stiffener Length Per Meter Span Using Cold Formed Material.
03	Prof. S. S. Mohite	A Case Study on Structural Assessment of Dudhgaon

		Grampanchayat Building By Using Non-Destructive Testing.
04	Prof. V. M. Patil Prof. K. K. Shinde	"Review Paper on Behaviour of Cold-formed Steel sections under Axial Compression"
05	Prof. V. M. Patil	Analysis of RCC structures subjected to spatial blast loading
06	Prof. V. M. Patil	Mechanical properties of circular and square steel hollow pipes under tension
07	Prof. K. K. Shinde	Analysis of RC Irregular Building According to Different Seismic Design Codes
08	Prof. K. K. Shinde	Contribution of Slab Type on Structural Systems in Multistoreyed R.C.C. Building
09	Prof. A. G. Mujawar	Study of Earthquake Analysis of High-Rise building with Floating Column
10	Prof. A. G. Mujawar	Static Analysis Of Functionally Graded Carbon Nano-Tube (CNTRC) Plate Using ABAQUS Software
11	Prof. R. R. Chavarekar Prof. M. M. Bhanuse	Seismic Analysis of braced And Unbraced Steel Frame Structure Using Shake Table
12	Prof. S. S. Patil	Comparative Study on the Behavior of RCC, Steel and Composite Structures for Different story heights.
13	Prof. S. S. Patil	Study of comparison of R.C.C single hopper bottom silos under seismic loading.
14	Prof. M. M. Bhanuse	A review paper on study of behaviour of high rise buildings with diagrid systems
15	Prof. M. M. Bhanuse	Study of behaviour of high rise buildings with diagrid systems
16	Prof. V. M. Patil	"Analysis of RCC structures subjected to spatial blast loading", A Review

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**Journal Paper List  
(2019-2020)**

Sr. No.	Name Of Faculty	Title Of Paper
01	C. R. Shah, S. S. Sathe, P. B. Bhagawati, S. S. Mohite	A hill slope failure analysis: A case study of Malingaon village, Maharashtra, India
02	P. G. Chandak	Evaluation and Remedial Measures on Premature Failure of Roads in India
03	P. G. Chandak	Utilizing different wastes in rural roads of Karad, District – Satara, India
04	P. G. Chandak	Performance Evaluation of Flexible Pavement for Critical Parameters Causing Premature Failure
05	V. M. Patil	Effect of Styrene-Butadiene-Rubber(SBR) Latex on Compressive Strength of High Performance Concrete.
06	G. S. Kate	Risk analysis and allocation in public-private partnership power transmission line projects
07	G. S. Kate	Application of risk analysis and allocation model on public-private partnership power transmission line projects
08	P. B. Bhagwati	An Experimental Study on Benzo[a] Pyrene Concentration in Particulate Matter at Industrial Area of Bangalore
09	P. G. Chandak	Design of Hydraulic MicroTurbine and Application in Plumbing System
10	A. D. Patil, A. A. Bhatkar, S. S. Mohite	Value Addition in Wall Plastering
11	M. M. Bhanuse	Seismic analysis of eccentric steel structure with help of experimentally and Software method
12	M. M. Bhanuse	Analysis of Diagrid Structural System for High Rise Steel Buildings
13	P.A. Mali R.R. Chavarekar	Study of JIT system in Inventory & it's Implementation
14	P.A. Mali, C.R. Shah & S.S. Patil	The Study on Flyash Based Geo Polymer Concrete
15	V. M. Patil	Flexural Behavior of Rolled Steel I Section Bonded with CFRP and BFRP by Finite Element Method
16	Prof. Santosh S. Mohite Mr. Bajirao V. Mane	Design of High Performance concrete upto 120 Mpa
17	Prof. Santosh S. Mohite Mr. Bajirao V. Mane	Theoretical Study of longitudinal Columns (Biaxially Loaded) with reference to various codes and researchers comparative analysis
18	P. A. Pisal S. B. Hivarekar R. A. Patil	Geomorphology Of The Bhogavati River Basin, Kolhapur District, Maharashtra, India.

19	A. D. Patil	Technological solution of rural sanitation structures
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**Conference Paper List  
[2019-2020]**

Sr. No.	Faculty Name	Title of the Paper
01	S. S. Mohite, M. M. Bhanuse	A Review On High Performance Concrete Under Compression
02	S. S. Mohite, M. M. Bhanuse	Experimental Study On High Performance Concrete M120 Under Compression
03	M. M. Bhanuse	Replacement of conventional bars with fiber bars in Reinforced concrete Columns-A Review
04	M. M. Bhanuse	Experimental and Analytically Study of Spliced Connection of the steel- A Review
05	S. S. Patil	Flexural properties of FRP reinforced concrete beam ; a review
06	S. S. Patil	Replacement of steel reinforcement by fibre reinforcement in reinforced concrete beam-A Review
07	M. M. Bhanuse	Replacement of Steel Reinforcement by Fiber Reinforcement in RC columns : A Review
08	M. M. Bhanuse	Study of Spliced connection for experimental and analytical : A Review
09	S. S. Patil	Flexural Property of FRP reinforced concrete beam under normal and elevated temperature
10	A. G. Mujawar	Analysis and design of diagrid system
11	A. G. Mujawar	Static and Dynamic behaviour of carbon nano tube reinforced composite plates
12	S. S. Patil	Review paper on replacement of steel bars by FRP bars in RC beam
13	S. S. Mohite	Behavior of Reinforced concrete column under different loading : A review
14	V. M. Patil	Behavior of composite plates under reinforcement of carbon nano tube : A Review
15	S. S. Mohite M. M. Bhanuse	Experimental Study On High Performance Concrete M120 Under Compression
16	S. S. Patil	Review paper on flexural properties of FRP reinforced concrete beam under normal and elevated temperature

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**Journal Paper List  
(2020-2021)**

Sr. No.	Name Of Faculty	Title Of Paper
1	S. S. Mohite	Strengthening of RCC Slab by Using Prestressed Carbon Fibre Reinforced Polymer Laminate
2	V. M. Patil P. S. Kadam	Analysis of RCC Structures Subjected to Spatial Blast Loading
3	V. M. Patil, K. K. Shinde	Review Paper on Behavior of Cold-Formed Steel Sections Under Axial Compression
4	K. K. Shinde	Analysis of RC Irregular Building According to Different Seismic Design Codes
5	M. M. Bhanuse	Study of Behaviour of High Rise Buildings with Diagrid Systems
6	P.G. Chandak	Design charts for black cotton subgrade soil in Karad taluka: a case study
7	A. P. Patil	Application of gradient tree boosting regressor for the prediction of scour depth around bridge piers
8	S. S. Mohite	Experimental and FEA analysis of high-performance concrete column under biaxial loading
9	P. B. Bhagawati	Pollutants removals and energy consumption in electrochemical cell for pulping processes wastewater treatment: Artificial neural network, response surface methodology and kinetic studies
10	P. A. Pisal, S. B. Hivarekar, R. A. Patil, S. S. Pujari	Estimation Of The Morphometric Parameters Of Kabnur Odha Basin, Hatkanagale Taluka, Kolhapur District, Maharashtra, India
11	P. A. Pisal, S. B. Hivarekar, R. A. Patil, S. S. Pujari, V. M. Patil	Impact Of Leachate On Ground Water And Soil Quality Near Kasabe Digraj Dumping Site, Sangli, Maharashtra, India
12	S. S. Patil, P. A. Mali	Comparative Study on the Behavior of RCC, Steel and Composite Structures for Different Story Heights
13	K. K. Shinde, A. P. Patil, M. M. Bhanuse	Improving Properties Of Concrete By High-Volume Industrial Waste Fly Ash Using Steel Fibers
14	P. B. Bhagawati	Electrochemical technique for paper mill effluent degradation using concentric a6odellingtube electrodes (CATE)
15	Bhagawati P.B.	Dry Spell and Wet Spell Characterisation of Nandani River Basin, Western Maharashtra, India.
16	P. B. Bhagawati	Studies on Electrochemical Treatment of Paper mill Effluent
17	P. A. Mali	Improve Productivity of Equipment in Construction by Proper Equipment

		Maintenance
18	A. D. Patil	A Review of Rural Sanitation Structures and Water Supply system
19	V. M. Patil	Water Tank as a Tuned Mass Damper
20	V. M. Patil	Finite element modelling to predict flexural performance of Steel i-section beam externally bonded by various frp fabrics: A review
21	S. S. Mohite	Planning, Designing Of Circular Overhead Water Tank In Khanderajuri Using Staad Pro
22	P. G. Chandak	Analytical and Laboratory Investigation on the Use of RAP and Waste Plastic for Conservative Planning of Road Construction Raw Materials

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**Journal Paper List (2021-2022)**



Sr. No.	Name Of Faculty	Title Of Paper
1	P. G. Chandak	Critical Pavement Response Analysis Under Overloading for Design of Low Volume Rural Roads.
2	B V. Mane A. D. Patil	Engineered cement composite enhanced reinforced concrete beams using flexural response: An experimental study
3	A. P. Patil	Machine learning-based modeling of saturated hydraulic conductivity in soils of tropical semi-arid zone of India
4	P. B. Bhagawati	Performance optimization of microbial electrolysis cell (MEC) for palm oil mill effluent (POME) wastewater treatment and sustainable Bio-H <sub>2</sub> production using response surface methodology (RSM)
5	P. A. Mali, R. V. Jadhav, K. K. Shinde	Supplier Selection in Inventory Control Management while Procuring and Utilizing of Material in Construction Projects
6	S. B. Hivarekar	Innovative Gravity Fed Clay Candle Filter with Enhanced Rate of Filtration for Turbidity Removal
7	P. B. Bhagawati	Electrocoagulation Technology for Wastewater Treatment: Mechanism and Applications

**Conference Paper List  
[2021-2022]**

Sr. No.	Faculty Name	Title of the Paper
1	M. B. Nadaf	Experimental Study on Bearing Capacity of Flyash Reinforced with Pet Bottles Under Circular Loading
2	R. R. Kurlapkar, R. A. Chougale, A. G. Mujawar, K. K. Shinde A. D. Patil	Comparative study of seismic response for steel building using steel bracing system and fluid viscous damper system
3	B. V. Mane	Analysis of slender reinforced high performance concrete columns using ANSYS software.
4	A. G. Mujawar R. A. Chougale	Vibrational analysis of composite laminated shell: a review.
5	K. K. Shinde	Shear performance of RC beams strengthened with various configurations of FRP system: a review.
6	S. S. Mohite, B. V. Mane,	Finite element analysis of bi-axially loaded high Performance slender columns and preparing interaction Curves.
7	M. B. Nadaf, A. D. Patil, R. A. Chougale, B. V. Mane R. R. Kuralapkar	Model studies on soft rock using socketed pile
8	A. P. Patil	Improving bearing capacity of soil by using tyre waste




9	M. H Mota, P. B Bhagawati , S. B Hivarekar	Optimizing the overall performance of rapid sand filter by Filter conditioning and altering media configuration

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## Faculty Publication List 2017-18

Sr. No.	Faculty Name	Paper Title
1	Mr. S. S. sayyad	An encrypted Neural Network Learning to Build Safe Trained Model
2	Mr. S. S. sayyad	Multilayer Perceptron using Levenberg Marquardt Algorithm for Imbalanced Data
3	Mr. S. G. Sutar	Wrapper Approach for Efficient Range Aggregate Query Handling Securely in Big Data Environment
4	Mr. S. V. Patil	An Efficient and Effective Feature Subset Selection for High Dimensional Data
5	Mr. S. D. Khatawkar	Detecting and Improving Distorted Fingerprints using Rectification Techniques
6	Mrs. A. N. Mulla	Design and Analysis Performance of Kidney Cyst Detection from Ultrasound Images
7	Mr. T. S. Ruprah	Sentiment Analysis of Tweets Through Data Mining Technique

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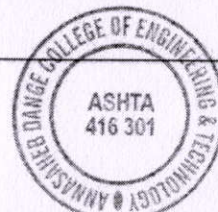


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**Faculty Publication List**  
**2018-19**

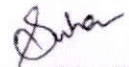
Sr. No.	Faculty Name	Paper Title
1	Mrs.A.N.Mulla	Mining weakly labeled web facial images for search based face Annotation using Neural Network Classifier
2	Mr. S. S. Sayyad	Parallelizing Neural Network learning to build safe trained model
3	Mr. T. S. Ruprah, Mr. A.S. Dange	Enhanced Security in cloud using Data Partition Technique
4	Mr. P.B. More, Mr. Y.S. Lubal	Secure Two Phase Decentralized Data Duplication with Assured Deletion in Multi User Environment
5	Mrs. A.S. Patil,	DWT Based Mosaic Image Steganography
6	Dr. S. G. Sapate	Radiomics based Detection and Characterization of Suspicious Lesions on Full Field Digital Mammograms
7	Dr. S. G. Sapate	Breast cancer diagnosis using abnormalities on ipsilateral views of digital mammograms
8	Arifa Shikalgar	Design and Development of Integrated Deep Convolution Nueral Network Approach for Handling Heterogeneous Medical Data
	Dr. Smriti Bhandari	Abnormal Activity Recognition using Saliency and Spatio-Temporal Interest Point Detector
10	Dr. Smriti Bhandari	Human Fall Detection using Depth Videos
11	Dr. Smriti Bhandari	Facial Expression Recognition using Bandlet Transform and Centre Symmetric - Local Binary Pattern
12	Dr. Smriti Bhandari	Automated Polyp Classification of Gastroentric Lension in Colonoscopy Videos
13	Arifa Shikalgar	Hybrid Deep Learning Approaches for Classifying Alzheimer Disease based on Multimodal Data




14	Mr. S. V. Patil	An efficient & effective feature subset selection for high dimensional data
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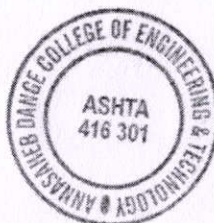
**Faculty Publication List**  
**2019-20**

Sr. No.	Faculty Name	Paper Title
1	Mrs. A. J. Shikalgar	An Enhanced Stochastic Gradient Descent Variance Reduced Ascension Optimization Algorithm for Deep Neural Networks
2	Dr.S.G.Sapate,	Breast cancer diagnosis using abnormalities on ipsilateral views of digital mammograms
3	Mr.A.S.Dange	Secure HDFS Using OAuth 2.0
4	Mrs. A. S. Patil	We are what we eat: Food recommendation System
5	Mr. P. B. More	Secure Two-Phase Decentralized Data Deduplication with Assured Deletion in Multi User Environment
6	Mr. R. M. Kamble	Program recommendation system for students or coder through View Histories and Feedback Systems
7	Mr. S. V. Patil	A review of dimensionality reduction in high-dimensional data using multi-core and many-core architecture

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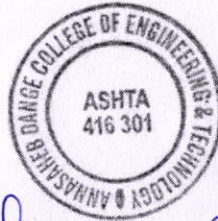
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**Faculty Publication List  
2020-21**

Sr. No.	Faculty Name	Paper Title
1	Dr. S. H. Bhandari	Finding the Kth Max Sum Pair in an Array of Distinct Elements using Search Space Optimization
2	Dr. S. G. Sapate	Pre-processing techniques for Breast Density Measurement using Digital Mammograms
3	Dr. S. G. Sapate	Machine Learning Approach towards Mammographic Breast Density Measurement for Breast Cancer Risk Prediction: An overview
4	Dr. S. G. Sapate	Advances in Machine Learning and Deep learning Approaches for Mammographic Breast Density Measurement for Breast Cancer Risk Prediction: An overview
5	Mr. S. S. Sayyad	Privacy preserving deep learning using secure multiparty computation
6	R. M. Kamble	Program Recommendation System for Students or Coder Through View Histories and Feedback Systems.
7	Mr. A. R. Pradnyavant,	Diverse Operations in Uncertain and Probabilistic Database - Trio
8	T. P. Ruprah	A Review Of Deep Learning Approaches For Contextual Scene Interpretation
9	Mr. A. S. Dange	System to Crawl web and Forum for Medical Data
10	Mr. S. G. Sutar	Resource utilization enhancement through live virtual machine migration in cloud using ant colony optimization algorithm
11	T. P. Ruprah	DEEP LEARNING TECHNIQUES FOR CONTEXTUAL SCENE INTERPRETATION
12	Mr. S.V. Patil	Graph partitioning using heuristic kernighan-lin algorithm for parallel computing

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**Faculty Publication List  
2021-22**

Sr. No.	Faculty Name	Paper Title
1	Dr. S. H. Bhandari	Vision based Lip Reading System using Deep Learning
2	Mr. A. S. Dange	Sentiment Classification for Product Reviews using NLP and Machine Learning
3	Mr. A. S. Dange	Aspect based Sentiment Classification for Social Media Reviews using Supervised Classification Techniques
4	Dr. Sapate Suhas	Segmentation of Pectoral Muscle from Digital Mammograms with Depth-first Search Algorithm towards Breast Density Classification
5	Dr. Sapate Suhas	Multi-channel DenseNet Architecture for Classification of Mammographic Breast Density for Breast Cancer Detection
6	Dr. Sapate Suhas	Book Chapter Title: Advances in Machine Learning and Deep learning Approaches for Mammographic Breast Density Measurement for Breast Cancer Risk Prediction: An overview
7	Mrs. A. B. Shikalgar	A Survey of Credit Card Fraud Detection Using Machine Learning
8	Mrs. A. B. Shikalgar	SENTIMENT ANALYSIS USING SOCIAL MEDIA
9	Mr. S. P. Patil	Advanced Data masking mechanism to enhance security and privacy in cloud computing
10	Mrs. S. S. Solapure	QoS Based Prediction Model to Optimize RPL Protocol for IoT applications
11	Mr. P. B. More	ADCET Placement Preparation and management System
12	Mr. Y. S. Lubal	Text and Voice based chat bot Natural Language Processing and Artificial Intelligence
13	Mrs. A. S. Patil	Smart Cap: Vision for the Visually Impaired
14	Mr. S.V. Patil	K-way spectral graph partitioning for load balancing in parallel computing
15	Mr. S.V. Patil	Performance Evaluation of Graph Partitioning on Many-core System
16	Mr. S.V. Patil	K-WAY BALANCED GRAPH PARTITIONING FOR PARALLEL COMPUTING
17	Mr. A..A. Urunkar	Authenticity of System Users via Mouse Handling Method

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2018-2019

Sr.No	Name of the author/s	Title of paper
1	Mr. P. V. Gaikwad	Effect of Sn substitution on structural , electrical and magnetic properties of copper ferrites synthesized by sol-gel auto combustion method
2	Mr. A. N. Metkari	Certain new classes of analytic functions defined by using Al-Oboudi operator
3	Dr. N. D. Sangle	Certain new classes of analytic functions defined by using Al-Oboudi operator
4	Mr. P. V. Gaikwad	Magnetostructural properties and photocatalytic performance of sol-gel synthesized cobalt substituted Ni-Cu ferrites for degradation of methylene blue under sunlight
5	Mr. P.V. Gaikwad.	Co <sup>2+</sup> Substituted ZnCuFe <sub>2</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance

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**Department of Basic Sciences**

2019-20

Sr.No.	Name of the author/s	Title of paper
1	Mr. P.V. Gaikwad.	Co <sup>2+</sup> Substituted ZnCuFe <sub>2</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance
2	Dr. N.D. Sangle	New subclass of Bi-Univalent Functions associated to Horadm polynomials
3	Dr. Ms. A. S. Jadhav	Effect of electrolytes on photoelectrochemical performance of aCuS-CdS heterojunction

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2020-21

Sr.No.	Name of the author/s	Title of paper
1	Dr. N.D. Sangle	On a Class of Univalent Functions with Negative Coefficients defined by General Linear Operator
2	Mr. A. N. Metkari Dr. N. D. Sangle	A Special Class of Harmonic Univalent Functions Defined by Using A New Differential Operator
3	Dr. N. D. Sangle, Mr. A. N. Metkari	A New Class of Univalent Harmonic Meromorphic Functions Defined by Multiplier Transformation
4	Dr. N.D. Sangle	Certain subclass of analytic function with negative coefficients defined by Catas operator
5	Mr. A. N. Metkari	Certain Subclass of Univalent Functions Involving Modified Sigmoid Function Defined by Using Al-Oboudi Operator

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**2021-2022**

Sr.No	Name of the author/s	Title of paper
1	Ms. S.K. Jadhav	The structural, Electric and Dielectric Properties of $Ni_{0.7}Cd_{0.3}Nd_xFe_{2-x}O_4$ ( $0 < x < 0.03$ ) Ferrite prepared via Oxalate Co-Precipitation Route ✓
2	Mr. A. N. Metkari	A Generalized Class of Harmonic Univalent Functions Associated with Al-Oboudi Operator Involving Convolution ✓
3	Dr. P.V. Gaikwad	Photocatalytic Degradation of Malachite Green using Hydrothermally Synthesized Cobalt-doped $TiO_2$ Nanoparticles ✓
4	Dr. P.V. Gaikwad	Magneto-structural properties and reliability of (Mn/Ni/Zn) substituted cobalt-copper ferrite heterogeneous catalyst for selective and efficient oxidation of aryl alcohols ✓

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