

3.2.2 Number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during A.Y 2019-20

Year	Name of the workshop/ seminar/ conference	Number of Participants	Date From – To	Link to the Activity report on the website
2019-20	STTP on "Optimization techniques and awareness on research"	72	30/12/2019 - 3/01/2020	-
	Workshop on "Advanced Building Architectural Software 3D Max, VRay & Photoshop"	34	05/10/2019 - 6/02/2020	
	Training to Research scholar on "Research Gap Identification"	49	28/02/2020-29/02/2020	



REPORT
on
Short Term Training Program (STTP)



“Optimization Techniques and Awareness on Research”

30th Dec. 2019 – 03rd Jan. 2020

Sponsored by
All India Council for Technical Education, New Delhi

Organized by
Department of Mechanical Engineering
Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's
Ashokrao Mane Group of Institutions,
Vathar, Maharashtra - 416112

AICTE sponsored one week Short Term Training Program (STTP) on “Optimization Techniques and Awareness on Research”, was organized by Department of Mechanical Engineering, Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's, Ashokrao Mane Group of Institutions, from 30th Dec. 2019 – 03rd Jan. 2020. The STTP program received very good response with 80 participants from various institutes/colleges approved by AICTE and affiliated to various universities in Karnataka, Andhrapradesh and Maharashtra.

Day 1st - Date: 30th Dec. 2019

Inauguration

STTP was inaugurated on 30th Dec. 2019 by Dr. V. D. Shinde, Prof. Mechanical Engineering Department, DKTE's Textile and Engineering Institute, Ichalkaranji, in the presence Prof. P. B. Ghewari I/C Director AMGOI, Prof. (Dr.) H. V. Shete HOD Mechanical Engg and STTP Coordinator and all participants.

Associate Professor Mr. E. N. Aitavade, welcomed the dignitaries. Prof. (Dr.) H. V. Shete the STTP coordinator conveyed the purpose of STTP and its importance. Prof. P. B. Ghewari, I/C Director in his address put across the profile and achievements of the institute and highlighted the importance of such programs.

successfully organization of the STTP. He thanked the Management of BMSPMA, I/C Director Prof. P. B. Ghewari and all staff of Mechanical Engineering Department for their support. He presented the overview of the one week STTP. He thanked all the resource persons for their valuable time and sharing their knowledge. He also thanked AICTE for the sponsorship and financial support for the STTP.

Feedback from the Participants:

The feedback of the participants was very positive and motivational. All the participants appreciated the seminar hall facility, food, lodging and boarding arrangements of the institute. The participants appreciated the fact that, all the resource persons were of repute in their respective fields and the knowledge imparted by them was very useful in their forthcoming accomplishments.



Appreciation of Prof. (Dr.) H. V. Shete – STTP Coordinator and Dept of Mechanical Engineering, from all Participants for successful organization of STTP, 03rd Jan 2020

At the end, the valedictory session was concluded with a vote of thanks given by Mr. S. P. Nevagi, Assistant Professor, AMGOI, in which he thanked all the dignitaries and resource persons who spared their time and come from a far distance places to share their expertise with the participants. He also thanked the participants for their participation in FDP. Last but not least, he thanked AICTE, for providing financial assistance to organize the One Week Short Term Training Program (STTP).

Shri Balasaheb Mane Shikshan Prasarak Mandal Ambap's
Ashokrao Mane Group of Institutions,
Vathar Tarf Vadgaon, Maharashtra 416112



One Week Short Term Training Program (STTP)

on

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ACKNOWLEDGEMENT

On behalf of our management and AMGOI family, first and foremost, I would like to acknowledge with an unutterable sense of profound gratitude to **Dr. Anil Sahasrabudhe, Chairman, AICTE New Delhi, Dr. M.P. Poonia, Vice Chairman, AICTE New Delhi, Prof. Dileep N. Malkhede, Adviser-I, AICTE-RIFD, Col. B. Venkat, Director, AICTE-RIFD, Dr. Amit Dutta, Deputy Director, AICTE-RIFD, Dr. Pallavi Kohli, Assistant Director, AICTE-RIFD**, for their kind cooperation, support and sponsorship to conduct the STTP. Your support will open many new opportunities for the overall development of the Institute. Without the support of people like you, we will not be able to reach our goals. Thank you once again for your bighearted support to our Institute.

I am particularly grateful and thankful to Eminent Experts and Well-known technocrats in this area: **Dr. V. D. Shinde, DKTE, Ichalkaranji, Dr. R. S. Pawade, DBATU, Lonere, Mr. Anirudha Khandekar, Statistician and consultant, Pune, Dr. M. M. Khot, WCE, Sangli, Dr. Preetamkumar Mohite, IIT Kanpur, Dr. Sandeep Desai, RIT, Sakharale, Mr. Tukaram Varak, CAD CAM Guru Pvt.Ltd., Pune and Dr. Shrinivas Londhe, VIIT Pune** for delivering their expertise in this AICTE STTP.

I express my deep sense of gratitude and indebtedness to our **Hon. Shri Vijaysinh Mane, President, BMSPM Ambap and Hon. Shri Vikasrao Mane, Executive President, BMSPM Ambap**, for their readiness to suspend their own and personnel work when I had a problem and to help me. I gratefully acknowledge them for involvement in preparation of this AICTE-STTP.

I express my sincere thanks to our beloved **Incharge Director, Prof. P. B. Ghewari**, all teaching and nonteaching staff, Co-coordinators and committee members of this STTP and administrative staff of AMGOI, Vathar for providing all the necessary facilities and assistance for organizing this STTP.

Last but not the least I thank all the participants for attending this STTP and fulfilling the purpose of this STTP.

Dr. HANMANT VIRBHADRA SHETE,
AICTE-STTP Coordinator &
Professor and Head Mechanical Engineering Department

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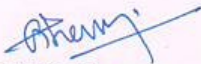
Date:- 02/12/2019

Program Evaluation Committee

As per the guidelines given by AICTE the following PEC is formed, for the one week Short Term Training Program (STTP) on “Optimization Techniques and Awareness on Research” to be conducted from 30th Dec. 2019 to 03rd Jan. 2020.

Sr.	Name	Designation	Role
1	Prof. P. B. Ghewari	I/C Director	Chairperson
2	Prof. (Dr.) H. V. Shete	STTP Coordinator	Member Secretary
3	Prof. S. H. Shete	H.O.D. Civil Engg.	Member
4	Prof. J. M. Shinde	H.O.D. Electrical Engg.	Member
5	Prof. E. N. Aitavade .	Associate Prof.	Subject Expert


Prof. (Dr.) H. V. Shete
Member Secretary,
STTP - PEC


Prof. P. B. Ghewari
I/C Director,
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Short Term Training Program (STTP)

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Research" 30th Dec. 2019 - 03 Jan. 2020

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New Delhi

AICTE

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PEC Report

- As per the guidelines given by AICTE the PEC was formed on 02/12/2019.
- Meeting of PEC members was conducted on 02/12/2019 at Board Room and Co-coordinators of STTP were finalized and STTP date was finalized as 31st Dec 2019 to 03rd Jan 2020. Various issues like resource person selection, topic selection, budget provisions were discussed.
- Second meeting of PEC was conducted on 23/12/2019 and progress of various committees was reviewed and planning of different activities between 31st Dec 2019 to 03rd Jan 2020 were discussed.
- Test was conducted and answer sheets were evaluated on 03rd Jan 2020. Certificates were issued to the participants who attended the program and qualified in the test.
- A closing meeting was conducted on 10/01/2020 and attendance, feedback, test marks of the participants and budget completion issues were discussed and reviewed. The resource person expertise, 80 number of participants from home as well as other states, attendance and feedback of participants was overwhelming and appreciated by the PEC members.

Prof. (Dr.) H. V. Shete
Member Secretary - PEC,
STTP Coordinator

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Associate Professor Mr. E. N. Aitavade, welcomed the dignitaries. Prof. (Dr.) H. V. Shete the STTP coordinator conveyed the purpose of STTP and its importance. Prof. P. B. Ghewari, I/C Director in his address put across the profile and achievements of the institute and highlighted the importance of such programs.

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its importance. Prof. P. B. Ghewari, I/C Director in his address put across the profile and achievements of the institute and highlighted the importance of such programs.



Mr. M A Sutar, Assistant Professor AMGOI introduced the chief guest of inauguration Dr. V D Shinde. In his inaugural speech Dr. Shinde briefed on various optimization techniques and their importance in research. He also emphasized that research attitude among teachers can be build only through such programs. He congratulated Dr. H. V. Shete and the Mechanical Engineering Department for organizing one week STTP and gave well wishes for the successful completion of STTP.

The inaugural session was concluded with a vote of thanks given by Mr. M A Sutar, Assistant Professor AMGOI Vathar.

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Day 1st - 30th Dec 2019
Session: 1

Topic: Casting Design and Optimization by VEM

Resource Person: Dr. V. D. Shinde,
Professor in Mechanical Engineering,
DKTE, Ichalkaranji,



Mr. E N Aitavade, Associate Professor, Department of Mechanical Engineering introduced the resource person Dr. V. D. Shinde. Dr. Shete, Coordinator of STTP and HOD Mechanical Department welcomed Dr. Shinde by offering memento.

Dr. Shinde began the session by briefing about optimization techniques and tools used in casting, VEM (Vector Element Method) proposed by Ravi and Srinivasan being one of them. He added that VEM provides fast and reliable approach to casting solidification simulation with minimal user inputs. VEM relies on tracing the feed-paths from any given point inside the casting to the nearest hot spot. Several industrial case studies illustrating the application of VEM to casting quality improvement were discussed.

Dr. Shinde concluded that because VEM is based on determining the direction of the largest thermal gradient at any point inside the casting, it can determine the effects of cores, gating, pouring parameters and feeding aids such as chill, insulating and exothermic materials. Mr. M A Sutar, Assistant Professor, AMGOI concluded the session by a vote of thanks.

Day 1"- 30" Dec 2019 Session: 1

Topic: Casting Design and Optimization by VEM Resource

Person: Dr. V. D. Shinde,

Professor in Mechanical Engineering, DKTE, Ichalkaranji,

Mr. E N Aitavade. Associate Professor. Department of Mechanical Engineering introduced the resource person Dr. V. D. Shinde. Dr. Shete, Coordinator of STTP and HOD Mechanical Department welcomed Dr. Shinde by offering memento.

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Day 1st - 30th Dec 2019

Session: 2

Topic: Multi-objective optimization using TLBO

Resource Person: Dr. R. S. Pawade
Professor in Mechanical Engineering,
Dr. Babasaheb Ambedkar Technological University, Lonere
(Maharashtra State Technical University)



Mr. Aitavade, Associate Professor, Mechanical Engineering, AMGOI commenced the session by welcoming the resource person Dr. R. S. Pawade. In the beginning Dr. Pawade briefed about optimization, classification of optimization, multi-objective optimization, need of evolutionary algorithms in optimization and need of optimization in Engineering Design.

He discussed Multi-objective Optimization in detail with an example of Pareto optimal solution. Dr. Pawade briefed about different types of optimization algorithms. He added that algorithms such as ES, EP, DE, SFL, ACO, FF, CSO, AIA, GSA, BBO, FPA, ALO, IWO, etc. need the proper tuning of respective algorithm-specific parameters to achieve good results. At this point he initiated the topic teaching-learning-based optimization (TLBO) algorithm. TLBO which was introduced by Rao et al. does not require any algorithm-specific parameters. He explained the advantages of TLBO. The session was ended by a formal vote of thanks by, Mr. M. A. Sutar, Assistant Professor, AMGOI.

Day 1- 30" Dec 2019

Session: 2

Topic: Multi-objective optimization using TLBO Resource Person: Dr. R. S. Pawade

Professor in Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere (Maharashtra State Technical University)

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Day 1st - 30th Dec 2019

Session: 3

Topic: Multi-objective optimization using TLBO

Resource Person: Dr. R. S. Pawade

**Professor in Mechanical Engineering,
Dr. Babasaheb Ambedkar Technological University, Lonere
(Maharashtra State Technical University)**



Dr. Pawade continued the latter part of his session by explaining the need for TLBO and basics of TLBO. He added that the algorithm has two basic modes of the learning: 1) through teacher known as teacher phase, and 2) through interaction with the other learners (known as learner phase). He explained both phases through an example. He told that TLBO is popular among researchers because it is simple to implement and understand, it operates without algorithm-specific parameters and it is effective in terms of the computational effort and consistency compared to GA, ant colony system (ANTS), bee algorithm (BA), grenade explosion method (GEM). The session concluded by a healthy interaction between participants and Dr. Pawade. The vote of thanks was given by Mr. M. A. Sutar, Assistant Professor, AMGOI.

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Day 2nd - 31st Dec 2019
Session: 4

Topic: Design of Experiments and Optimization - RSM

Resource Person: Mr. Anirudha Khadakkar,
Statistician, Pune



Mr. E. N. Aitavade welcomed Mr. Anirudha Khadakkar, resource person of the morning session of 2nd day. Mr. Khadakkar began the session by introduction of experimentation and its need, challenges in optimization for achieving engineering/research objectives. He discussed statistical challenges like the number of experiments required, analysis of experimentation. Through this he emphasized the need of proper techniques in experiments as the complete process of achieving objective is influenced by experimentation. Further he explained the tools of experimentation like:- Randomization, Blocking, Confounding, Resolution, Replication and Repetition. Techniques like full factorial experiments and response surface experiments were also briefed. Tools for Characterization like Graphical Tools, Main Effect Plot, Interaction Plot, Contour Plot, Surface Plot were also explained. At the end of session, Mr. M A. Sutar Assistant Professor, AMGOI presented vote of thanks.

Day 2nd - 31" Dec 2019 Session: 4

Topic: Design of Experiments and Optimization - RSM Resource

Person: Mr. Anirudha Khadakkar,

Statistician, Pune

Mr. E. N. Aitavade welcomed Mr. Anirudha Khadakkar, resource person of the morning session of 2nd day Mr. Khadakkar began the session by introduction of experimentation and its need, challenges in optimization for achieving engineering/research objectives. He discussed statistical challenges like the number of experiments required, analysis of experimentation. Through this he emphasized the need of proper techniques in experiments as the complete process of achieving objective is influenced by experimentation. Further he explained the tools of experimentation like:- Randomization, Blocking, Confounding, Resolution, Replication and Repetition. Techniques like full factorial experiments and response surface experiments were also briefed. Tools for Characterization like Graphical Tools, Main Effect Plot, Interaction Plot, Contour Plot, Surface Plot were also explained. At the end of session, Mr. M A. Sutar Assistant Professor, AMGOI presented vote of thanks.

Day 2nd - 31st Dec 2019
Session: 5

Topic: Design of Experiments – Response surface optimization and Taguchi

**Resource Person: Mr. Anirudha Khadakkar,
Statistician, Pune**



Mr. Khadakkar continued the post lunch session. In this he explained ANOVA, Standard deviation of errors, R^2 , R^2 Adjusted, Residual Analysis objectives of energy management. He also explained Taguchi Optimization concept and Importance of Taguchi Experiments. He explained Taguchi optimization by demo on Minitab. He explained the Taguchi analysis starting from selection of array, assigning parameters, levels, response parameters, interaction etc through an example on Minitab. The session concluded by interaction of Mr. Aniruddha and the participants during which he cleared the doubts of participants. Mr. M. A. Sutar, Assistant Professor, AMGOI, gave the vote of thanks.

Topic: Design of Experiments - Response surface optimization and Taguchi
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Day 2nd - 31st Dec 2019

Session: 6

Topic: Awareness on Research

Resource Person: Dr. H. V. Shete,
Professor and HOD, Mechanical Engineering,
AMGOI, Vathar



The second day technical session began with welcome by Mr. E. N. Aitavade Associate Professor in Mechanical Engineering. The resource person of the technical session was Prof. (Dr.) H. V. Shete. Dr. Shete highlighted the importance of research and explained the research design in detail. He said research is what we do is step forward. He discussed the types of research and various types of research possible in engineering. He told about various schemes of sponsorship by agencies like DRDO, DST, MNES etc. which is a good motivation for doing research. These schemes provide financial assistance to the researcher thus helping the researcher in preparing the experimental set up and for characterization. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI.

Day 2nd - 31" Dec 2019 Session: 6

Topic: Awareness on Research Resource Person: Dr. H. V. Shete,
Professor and HOD, Mechanical Engineering, AMGOI, Vathar

Faculty of Engineering MEG

Short Term Training Program "Optimization Techniques and Awareness
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Day 3rd - 01st Jan 2020
Session: 7

Topic: Optimization using GRA

Resource Person: Dr. M. M. Khot,
Associate Professor in Mechanical Engineering,
Walchand College of Engineering, Sangli



Mr. E. N. Aitavade welcomed Dr. M. M. Khot, resource person of the morning session of 03rd day. Dr. Khot began the session by briefing about Introduction of cryocoolers, types of cryocoolers, linear motor and flexure bearing and advantages of linear motor vs rotary compressors. Further he explained the finite element analysis of spiral flexure bearing. This included selection of geometric parameters of spiral flexure viz Effective diameter, Thickness, Swept angle, Slot Width, Starting radius. As five parameters are selected the no of combinations are 3125 (5^5) so he justified the use of L25 array Taguchi method. He also discussed the Johnson's method of optimization.

He discussed in details about the GRA used in Multi objective optimization (MOO). Dr. Khot also explained design and development of test setup for Static and dynamic measurement of displacement of flexure bearing. He also discussed the stress analysis by photo elasticity. At the end comparisons between FE and experimental results is done to conform the results. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI

Day 3rd - 01 Jan 2020 Session: 7

Topic: Optimization using GRA Resource Person: Dr. M. M. Khot, Associate Professor in Mechanical Engineering, Walchand College of Engineering, Sangli

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Day 3rd - 01st Jan 2020
Session: 8

Topic: GA based multiobjective optimization of Aeroelastic wing box

Resource Person: Dr. Preetamkumar Mohite,
Associate Professor in Mechanical Engineering,
IIT, Kanpur



Mr. E. N. Aitavade Associate Professor, AMGOI introduced Dr. Preetamkumar Mohite (IIT, Kanpur) the resource person of the 8th session. Dr. Mohite began the session with motivation behind the optimal design of laminated wing-box. He then explained the construction, function and basic size of wing box, Full length and Partial length Ply drop loads and Flutter Constraint.

He explained the process of Wing-box design by a flowchart and the design parameters of Composite-Laminated wing-box like - Lateral Deflection, Static Strength, Buckling and Flutter. He presented finite element models for Wing-tip Deflection, Tsai-wu first ply, buckling, mesh sensitivity analysis. Dr. Mohite explained the multi-objective optimization problem using ga and cae solvers. For this he began by giving the introduction to the basics of Genetic Algorithm. He added that multi-objective optimization problem using ga and cae solvers can reach near optimal solution by very few functional evaluations. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI

Day 3rd - 01st Jan 2020 Session: 8

Topic: GA based multiobjective optimization of Aeroelastic wing box

Resource Person: Dr. Preetamkumar Mohite,

Associate Professor in Mechanical Engineering, IIT, Kanpur

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Day 3rd - 01st Jan 2020
Session: 9

Topic: GA based multiobjective optimization of Aeroelastic wing box

Resource Person: Dr. Preetamkumar Mohite,
Associate Professor in Mechanical Engineering,
IIT, Kanpur



Dr. Preetamkumar Mohite continued his lecture on GA based multiobjective optimization of Aeroelastic wing box in the afternoon session. He began by a quick recap of the contents covered in the morning session. He further explained the application of GA for multi-objective optimization.

Dr. Mohite explained the use of python-script for writing MATLAB code which can be used to alter the ply orientation and thickness for the stacking sequence in ABAQUS LM. This process reduces time required for changing ply sequence in ABACUS. He explained the Automated Ply Removal during Optimization, Optimization Algorithm Multi-laminate Optimization, Results of weight optimization. He concluded that use of FEA and GA based optimization gives better results as it combines the advantages of both. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI

Day 3 - 01" Jan 2020 Session: 9

Topic: GA based multiobjective optimization of Aeroelastic wing box

Resource Person: Dr. Preetamkumar Mohite,

Associate Professor in Mechanical Engineering, IIT, Kanpur

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Day 4th - 02nd Jan 2020
Session:10

Topic: Optimization using LPP

Resource Person: Dr. Sandeep Desai,
Associate Professor in Mechanical Engineering,
RIT, Sakharale



On the beginning of 10th technical session, welcome note was presented by, Mr. E. N. Aitavade Associate Professor, AMGOI. Prof. (Dr.) H V Shete, Professor and HOD Mechanical Engineering AMGOI welcomed the resource person of the session Dr. Sandeep Desai, Associate Professor, Dept. of Mechanical Engineering, RIT, Sakharale by presenting memento.

Dr. Desai began the session by optimization using linear programming, common terminologies, assumptions, applications, formulation in LPP. He elaborated the process to formulate a linear programming problem through research case study. He also explained the Simplex method in detail. This included Simple simplex method, Two phase method and Big.- M method. Dr. Desai explained the procedure of Simplex method, Problem of Degeneracy, Degeneracy in LPP, Method to resolve degeneracy Two-Phase Simplex Method, North-West Corner Rule or Stepping Stone Method, Row Minima Method, Column Minima Method. His session ended with the Assignment Problem. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI Vathar.

Day 4th - 02nd Jan 2020 Session:10

Topic: Optimization using LPP Resource Person: Dr. Sandeep Desai,

Associate Professor in Mechanical Engineering, RIT, Sakharale

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Day 4th - 02nd Jan 2020
Session:11

Topic: Optimization using FEM

Resource Person: Mr. Tukaram Varak,
CAD CAM Guru Pvt. Ltd., Pune



In the afternoon session Mr. E. N. Aitavade Associate Professor, AMGOI Vathar, welcomed Mr. Tukaram Varak, CAD CAM Guru, Pune, the resource person for the 4th day. Mr. Varak began the session by giving detailed explanation about optimization from industrial point of view. He further explained Topology optimization- Material distribution, Shape change. He also explained the Free size optimization.

Mr. Varak explained the concepts from industrial point of view. The session was ended with the vote of thanks given by Mr. M. A. Sutar, Assistant Professor, AMGOI Vathar.

Jan 2020

Day 4-02 Session:11

Topic: Optimization using FEM

Resource Person: Mr. Tukaram Varak,

CAD CAM Guru Pvt. Ltd., Pune

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Day 4th - 02nd Jan 2020
Session:12

Topic: FEM – Industrial case studies

Resource Person: Mr. Tukaram Varak,
CAD CAM Guru Pvt. Ltd., Pune



In the evening session Mr. E. N. Aitavade Associate Professor, AMGOI Vathar, welcomed Mr. Tukaram Varak, CAD CAM Guru, Pune. Mr. Varak continued his session on optimization techniques in engineering by explaining the industrial case studies. In this session he presented case studies.

In this session the participants had a detailed interaction with Mr. Varak. As the participants were from teaching field they inquired about the current trends in CAE industry. They were keen to know about the technology used for CAE in industry. The vote of thanks was given by Mr. M. A. Sutar, Assistant Professor, AMGOI.

Day 4th - 02nd Jan 2020 Session:12

Topic: FEM - Industrial case studies Resource Person: Mr. Tukaram Varak,

CAD CAM Guru Pvt. Ltd., Pune

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Day 5th - 03rd Jan 2020
Session:13

Topic: Optimization using ANN

Resource Person: Dr. Shreenivas Londhe
Professor in Civil Engineering,
VIIT, Pune



Dr. Shreenivas the resource person for the 13th session began the session by introduction to Artificial Intelligence, disciplines and applications of AI, Machine Learning. He explained Relation between data-driven modeling and machine learning, popular techniques used in data-driven modeling, Soft computing, Artificial Neural Networks. He elaborated the concept of Biological neuron, Technique to map random input – output, ANN and its history. He also explained the Artificial Neuron as a Simple Computing Element. He also explained the architecture of a typical ANN, Types of Network. Dr. Shreenivas also explained the important aspects of ANN modeling like architecture, network architecture, data collection and preprocessing, initialization of weights, number of training samples, stopping criteria. Dr. Shreenivas concluded the session by validation and data Division The vote of thanks was given by Mr. M. A. Sutar, Assistant Professor, AMGOI.

Day 5 - 03rd Jan 2020 Session:13

Topic: Optimization using ANN Resource Person: Dr. Shreenivas Londhe

Professor in Civil Engineering, VIIT, Pune

Faculty of

Optimization Technique

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Dr. Shreenivas the resource person for the 13th session began the session by introduction to Artificial Intelligence, disciplines and applications of AI, Machine Learning. He explained Relation between data-driven modeling and machine learning, popular techniques used in data-driven modeling, Soft computing, Artificial Neural Networks. He elaborated the concept of Biological neuron, Technique to map random input - output, ANN and its history. He also explained the Artificial Neuron as a Simple Computing Element. He also explained the architecture of a typical ANN, Types of Network. Dr. Shreenivas also explained the important aspects of ANN modeling like architecture, network architecture, data collection and preprocessing, initialization of weights, number of training samples, stopping criteria. Dr. Shreenivas concluded the session by validation and data Division The vote of thanks was given by Mr. M. A. Sutar, Assistant Professor, AMGOI.

Day 5th - 03rd Jan 2020

Valedictory Session

On the valedictory session, Prof. P. B. Ghewari, I/C Director, AMGOI Vathar, Prof. (Dr.) H. V. Shete., STTP Coordinator and HOD Mechanical Engineering, Co-coordinators of STTP :- Associate Prof. Mr. E N Aitavade, Assistant Professors M A Sutar, S P Nevagi and R A Patil, all participants were present. Mr. Aitavade, welcomed, Prof. P. B. Ghewari, I/C Director AMGOI, Prof. (Dr.) H. V. Shete STTP Coordinator, co-coordinators and all the participants of the STTP for the valedictory session.



On this occasion, Prof. P. B. Ghewari, in his address, appreciated Prof. (Dr.) H. V. Shete, along with his team, for successful completion of the program. Further, he appreciated the management of AMGOI for the support in organizing the STTP.

Prof. (Dr.) H. V. Shete, in his valedictory address, congratulated the team for the

Day 5th - 03rd Jan 2020 Valedictory Session

On the valedictory session, Prof. P. B. Ghewari, I/C Director, AMGOI Vathar, Prof. (Dr.) H. V. Shete., STTP Coordinator and HOD Mechanical Engineering, Cooordinators of STTP :- Associate Prof. Mr. E N Aitavade, Asistant Professors M A Sutar, S P Nevagi and R A Patil, all participants were present. Mr. Aitavade, welcomed, Prof. P. B. Ghewari, I/C Director AMGOI, Prof. (Dr.) H. V. Shete STTP Coordinator, co-coordinators and all the participants of the STTP for the valedictory session.

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Dr. V. D. Shinde, DKTE, Ichalkaranji, and Dr. R. S. Pavade, DBATU, Lonere, with Prof. P.B Ghewari - I/C Director, Prof. (Dr.) H. V. Shete - STTP Coordinator and all participants of STTP, 30th Dec. 2019



Dr. Preetamkumar Mohite, IIT, Kanpur with Prof. P.B Ghewari - I/C Director, Prof. (Dr.) H. V. Shete - STTP Coordinator and all participants of STTP, 01st Jan 2020

Prof. (Dr.) H. V. Shete
Name & Signature of Coordinator with seal

Professor & Head
Department of Mechanical Engineering
Ashokrao Mane Group of Institutions
Vachar, Kolhapur

Prof. P. B. Ghewari
Name & Signature of Head of Institute with seal
I/C DIRECTOR

SHRI BALASAHEB MANE SHIKSHAN PRASARAK MANDAL'S
ASHOKRAO MANE GROUP OF INSTITUTIONS
Vachar Tarf Vadgaon, Tal. Halkanangale, Dist. Kolhapur, M.S. 416112

Dr.V. D. Shinde, DKTE, Ichalkaranji, and Dr. R. S. Pavade, DBATU, Lonere, with Prof. P.B Ghewari - I/C Director, Prof. (Dr.) H. V. Shete - STTP Coordinator and all

participants of STTP, 30 Dec, 2019

Dr. Preetamkumar Mohite, IIT, Kanpur with Prof. P.B Ghewari - I/C Director, Prof. (Dr.) H. V. Shete - STTP Coordinator and all participants of STTP, 01" Jan 2020

Prof. (Dr.) H. V. Shete Name & Signature of Coordinator with seal

Prof. P. B. Ghewari Name & Signature of Head of Institute with seal

1/C DIRECTOR SHRI BALASAHEES MANE SINSHAN PRASARAK PANDAL'S
ASHOKRAO MANE GROUP OF INSTITUTIONS Mathar Tarl Vadgaon Tal.
Hatkarangale Dist. Kohasur S. 4612

Professor & Head of Department of Mechanical Engineering Ashok Hane Group of institutions
Vathar, Kohasur

Date – 3rd Sept 2019

To,
Executive Director,
BMSPM, Ambap.

Subject: - Regarding permission for organizing Software Training Program

Respected Sir,

Civil Engineering Department & CESA are interested to organize Software Training Program on 3D Max, V-Ray & Photoshop which is useful for making 3D view of Buildings. Training will start from 14th Sept 2019. Students are interested to pay the fee and attend the course. Certificate in association with Academy and Our Institute will provide to all students.

The details of activity are as below-

Name of Trainer - Mr. Rohit Katkar, PolyEdge Consultancy, Kolhapur

Software – 3D Max, V-Ray & Photoshop

No. of Hours – 24 to 30 hrs.

No. of Students Interested – 30 Nos.

Fee for Training – Rs. 2500 (Negotiated as Rs 2000)

We request you to kindly permit us to organize a Software Training Program on 3D Max, V-Ray & Photoshop at our Institute.

Thanking you.

Yours faithfully,


Prof. P. S. Koli & Prof. J. M. Shinde
Training Co-ordinator



Dr. L. Pammar
Head, Dept. of Civil Engg.

Permitted
10/9/19

INTRODUCTION TO Autodesk 3ds Max :-

Autodesk 3ds Max, formerly 3D Studio and 3D Studio Max, is a professional 3D computer graphics program for making 3D animations, models, games and images. It is developed and produced by Autodesk Media and Entertainment. It has modeling capabilities and a flexible plugin architecture and can be used on the Microsoft Windows platform. It is frequently used by video game developers, many TV commercial studios and architectural visualization studios. It is also used for movie effects and movie pre-visualization. For its modeling and animation tools, the latest version of 3ds Max also features shaders (such as ambient occlusion and subsurface scattering), dynamic simulation, particle systems, radiosity, normal map creation and rendering, global illumination, a customizable user interface, new icons, and its own scripting language.

HISTORY :-

The original 3D Studio product was created for the DOS platform by Gary Yost and the Yost Group, and published by Autodesk. The release of 3D Studio made Autodesk's previous 3D rendering package AutoShade obsolete. After 3D Studio DOS Release 4, the product was rewritten for the Windows NT platform, and renamed "3D Studio MAX". This version was also originally created by the Yost Group. It was released by Kinetix, which was at that time Autodesk's division of media and entertainment.

Autodesk purchased the product at the second release update of the 3D Studio MAX version and internalized development entirely over the next two releases. Later, the product name was changed to "3ds max" to better comply with the naming conventions of Discreet, a Montreal-based software company which Autodesk had purchased.

When it was re-released (release 7), the product was again branded with the Autodesk logo, and the short name was again changed to "3ds Max", while the formal product name became the current "Autodesk 3ds Max".

USES OF 3d Max :-

3ds Max is a product by Autodesk, It is implemented across the Architectural, Engineering and Construction (AEC) industry to perform Architectural 3D modeling. It can perform 3D Mechanical modeling, 3D Architectural rendering, Exterior & 3D Interior walk-through and 3D Architectural fly-through.

3Ds Max software consists of many rich features that helps the modelers, the renders and the designers to create flawless photo-realistic 3D images as well as 3D animations of any construction element. Beside AEC industry, This software has a wide ranging usage in Media, Advertisement and Entertainment industry.

3Ds Max software has excellent capabilities in developing the effective 3D models and It has great compatibility with Microsoft Windows operating system, Some of its versions have

compatibility with Apple, Mac operating system . 3Ds Max version 2010 , 2011 , 2012 and 2013 is compatible with Mac operating system .

You are able to do more organic modelling in 3ds Max and have multiple ways to manipulate objects you make. It is simple and easy once you get the knowledge of the tools. But there are a lot of tools in the program. You can teach yourself basics first via youtube and then teach yourself the complicated stuff later. I use 3ds Max to make a lot of organic shapes for my exterior & interior models of buildings.

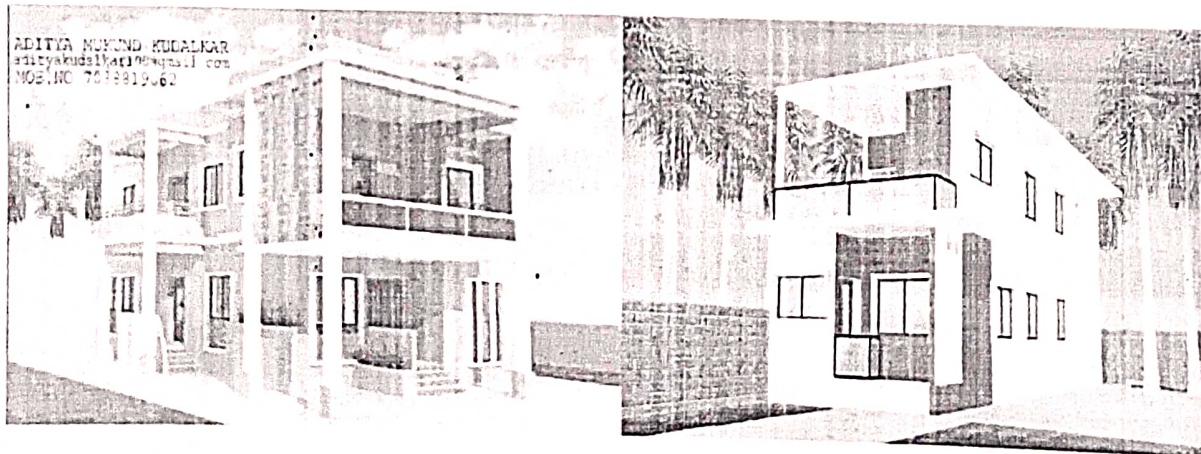
EXAMPLES OF 3ds Max :-

Many films have made use of 3ds Max, or previous versions of the program under previous names, in CGI animation, such as Avatar and 2012, which contain computer generated graphics from 3ds Max alongside live-action acting. Mudbox was also used in the final texturing of the set and characters in Avatar, with 3ds Max and Mudbox being closely related.

3ds Max has been used in the development of 3D computer graphics for a number of video games.

Architectural and engineering design firms use 3ds Max for developing concept art and previsualization. 3ds Max shares a close resemblance to AutoCAD.

3d Max also helps to owner of building to see his building before completion of work and he is able to modify his design requirements to achieve more attractive elevation of building.





Shri Balasahib Mane Shikshan Prasarak Mandal, Ashokrao
Ashokrao Mane Group of Institutions
Vathar, Tal. Halkanangle, Dist. Kolhapur 416112
0230-2407740-807601 Fax: 0230-2407730 Website: www.ashokrao.edu
DEPARTMENT OF CIVIL ENGINEERING

STUDENT LIST
3D CAD WORKSHOP

SR. No.	Name of Student	Fees Paid	Balance Fees
1	PATIL PRAFULL VISHWAS	1000 ₹	1000 ₹
2	SHINGE AKSHAY UTTAM		
3	BAGADE SIDDHESHI DHAMANDY	1000 ₹	1000 ₹
4	PATIL ANIKET SARJERAO		
5	PATIL MADAN DATTATRAY	2000 ₹	-
6	INGALE NITIN CHAGAN 912185282	1000 ₹	1000 ₹
7	JADHAV PUSHPAK PRATAP	1000 ₹	1000 ₹
8	KANDE PRASHANT GANESH	2000 ₹	-
9	HULLE VRUSHABH KUMAR	1000 ₹	1000 ₹
10	TOMPE SUNIL GANESH	2000 ₹	-
11	VASAGADE VIJOD VASANT	1000 ₹	1000 ₹
12	SATHE SUSHANT SURESH		
13	VIBHUTE PRATHMESH GUNDI	2000 ₹	-
14	DEVURKHAKAR JITENDRA CHITDRAKANI	1000 ₹	1000 ₹
15	KADAM RUSHIKESH SHAMARJI	1000 ₹	1000 ₹
16	PATIL KESHAV RAMCHANDRA	2000 ₹	1000 ₹
17	BENADEPATIL ROHIT KUMAR MANSING	1000 ₹	1000 ₹
18	PATIL AKSHAY LALASO	1000 ₹	1000 ₹
19	ABHIJIT AMARSINH KAMATE	2000 ₹	
20	GAVADE VAIBHAV		
?			


Total up to 6/10/2020 - 22,000/-

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P. 22/007
01/02/2020

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- Compose
- Inbox
- Starred
- Blocked
- Important
- Drafts
- Spam
- Trash
- Meet
- New meeting
- Join a meeting
- Hangouts
- Profile

3D Max workshop

paresh koli  paresh.koli@gmail.com Sat 15:21, 2019 at 3: PM

All the Ty Civil Engg. Students are hereby informed that 3D Max workshop is arranged from upcoming Saturday. Sunday so interested students are submit their names as possible.

Reply Forward

अशोकराव माने ग्रुप ऑफ इन्व्हेस्टमेंट्स

कॉन्सल्टी ऑफ इंजिनियरिंग (बी. ई./एम. ई.) / मॅनेजमेंट स्टडीज, याठार सॅन्ट्रल कॉलेज

*** व्हीचर ***

वेदिका नं. _____ खात्याचे नाव : _____ व्हीचर नं. _____ दिनांक : 21/01/2022
 कार. नं. / शीट नं./ पृ. : Selfedge consultancy या. 2022/25

संपत्ति : <u>Mujahamed Pendhari Rohit Kalkar</u>	किंमत	10
<u>77 (2011) 3D Max Add on course Second</u>	22000/-	
<u>Revenue amount</u>		
	एकूण रु	22000/-

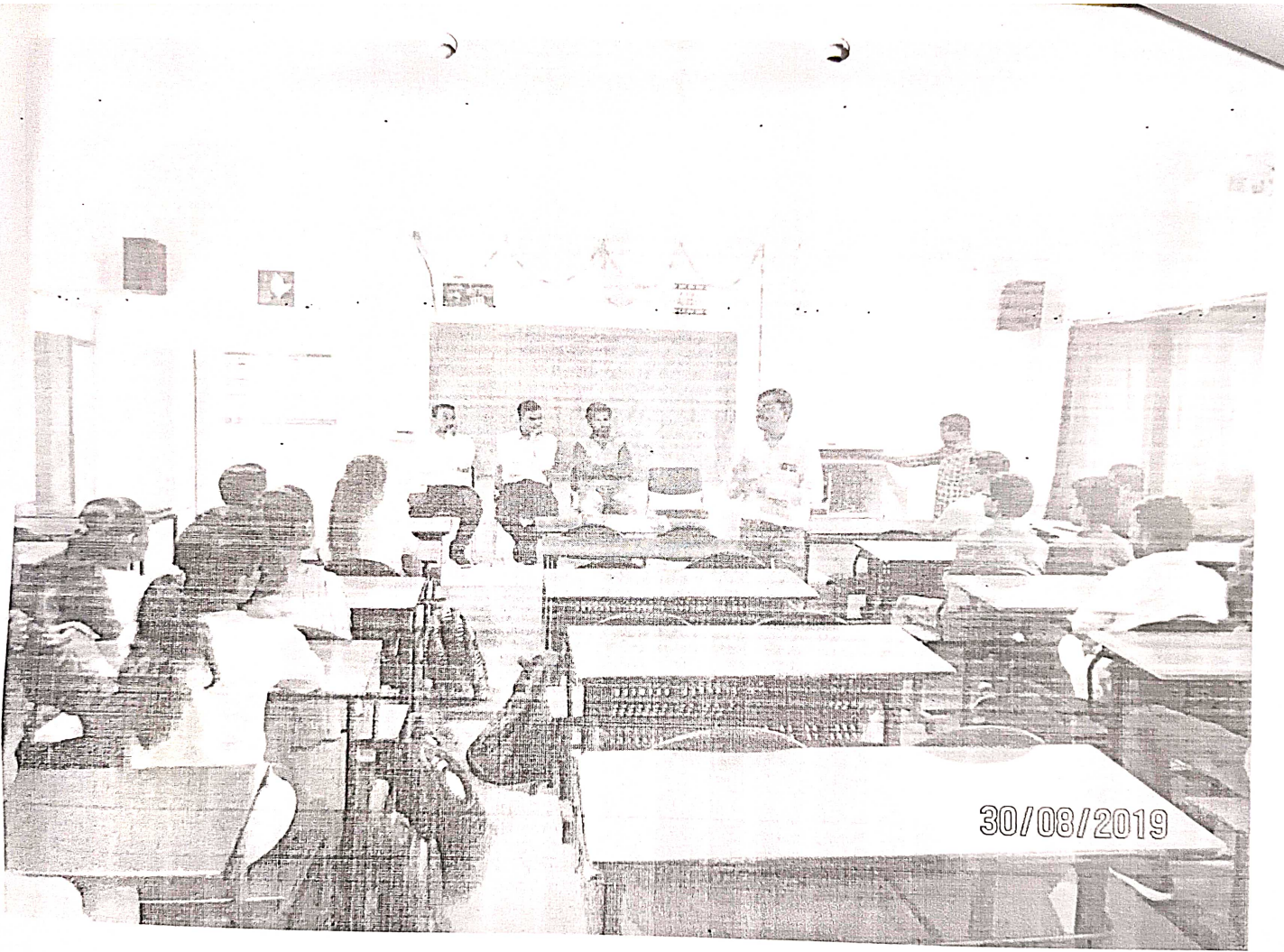
मूल्य Twenty two thousand only

प्राप्त दिनांक 21/01/2022

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 जापरबंदर/एनपीयुटीए जापरबंदर

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 वी. उ. खात्याचा खादी तहसी



30/08/2019



Department of Civil Engineering
Advanced Building Architectural Software - 3D Max

Class: TY Civil

Sr. No.	Name of Student	05/10/19	06/10/19	13/10/19	15/10/19	22/10/19	08/11/19	13/11/19	25/11/19	04/12/19	16/12/19								
1	Gavade Vaibhav Shamarao	P	P	P	P	P	P	P	P	P	P								
2	Patil Prafull Vishwas	P	P	P	P	P	P	P	P	P	P								
3	Bagade Siddhesh Dhananjay	P	P	P	P	P	P	P	P	P	P								
4	Shinge Akshay Uttam	P	P	P	P	P	P	P	P	P	P								
5	Patil Aniket Sarjerao	P	P	P	P	P	P	P	P	P	P								
6	Patil Madan Dattatray	P	P	P	P	P	P	P	P	P	P								
7	Ingale Nitin Chagan	P	P	P	P	P	P	P	P	P	P								
8	Jadhav Pushpak Pratap	P	P	P	P	P	P	P	P	P	P								
9	Kanoje Prashant Ganesh	P	P	P	P	P	P	P	P	P	P								
10	Hulle Vrushabh Kumar	P	P	P	P	P	P	P	P	P	P								
11	Tompe Sunil Ganesh	P	P	P	P	P	P	P	P	P	P								
12	Vasagade Vinod Vasant	P	P	P	P	P	P	P	P	P	P								
13	Sathe Sushant Suresh	P	P	P	P	P	P	P	P	P	P								
14	Vibhute Prathmesh Gundu	P	P	P	P	P	P	P	P	P	P								
15	Devrukhar Jitendra Chandrakant	P	P	P	P	P	P	P	P	P	P								
16	Kadam Rushikesh Shamarao	P	P	P	P	P	P	P	P	P	P								
17	Patil Keshav Ramchandra	P	P	P	P	P	P	P	P	P	P								
18	Benadepatil Rohitkumar Mansing	P	P	P	P	P	P	P	P	P	P								
19	Patil Akshay Lalaso	P	P	P	P	P	P	P	P	P	P								
20	Kamate Abhijit Amarsinh	P	P	P	P	P	P	P	P	P	P								
21	Autade Shital Bajrang	P	P	P	P	P	P	P	P	P	P								
22	Kumbhar Padmaja Mahendra	P	P	P	P	P	P	P	P	P	P								
23	Pandit Priyanka Sambhaji	P	P	P	P	P	P	P	P	P	P								
24	Shinde Vaishnavi Suresh	P	P	P	P	P	P	P	P	P	P								
25	Halure Mrunali Mahavir	P	P	P	P	P	P	P	P	P	P								
26	Shinde Pradnya Rajendra	P	P	P	P	P	P	P	P	P	P								
27	Desai Sejal Shahaji	P	P	P	P	P	P	P	P	P	P								
28	Patil Tejashri Vilas	P	P	P	P	P	P	P	P	P	P								
29	Mahale Rekha Uddhav	P	P	P	P	P	P	P	P	P	P								
30	Chougule Prachi Ashok	P	P	P	P	P	P	P	P	P	P								
31	Sid Apeksha Baleso	P	P	P	P	P	P	P	P	P	P								
32	Shinge Aparna Uttam	P	P	P	P	P	P	P	P	P	P								
33	Kumbhar Asmita Dattatraya	P	P	P	P	P	P	P	P	P	P								
34	Shelake Pooja Bajirao	P	P	P	P	P	P	P	P	P	P								

INCHARGE																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Lead College Activity Program Proposal

 TKIET	To, The Principal TKIET, Warananagar.	
Date of Event-	30.01.2020 to 1.02.2020	
Name of Activity/Program Student/Academic/Research/Cultural/Sports/Other	Training to research scholar on Research Gaps identification (Research)	
Name of the College	A. M. G. O. I. Vathar	
Name of the Coordinator	Prof. J. M. Shinde(Civil Engineering)	
Name of the Co-coordinator (if any)	Prof. S. B. Patil (Civil Engineering)	
Objectives of the program	<ol style="list-style-type: none"> 1. knowing the approaches in identification of research gaps 2. Understanding the process of formulating a problem statement, objectives and hypothesis in research 3. Understanding the concept of population, sample size, pilot study in methodology adopted 	
Abstract of program	<p>The proposed training would have given emphasis on the key term research gap essential in initial phase of research. After successful completion of this training, students will be able to understand the different concepts in research such as identification of research gap, formulating problem statement, setting objectives and hypothesis which would help them to write effective research proposal. This training would also cover the important concepts of research methodology such as population, sample size, pilot study etc which would helps to understand the research methods and methodology.</p>	
Target Participants	30	

Course Contents: -

1. Literature Review
2. Gap Identification
3. Relation between research questions and research gap
4. Formulating problem statement
5. Setting hypothesis
6. Setting objectives
7. Research methodology and methods


Name of event- Training to research scholar on Research Gaps identification

Date of event- 30.01.2020 to 1.02.2020

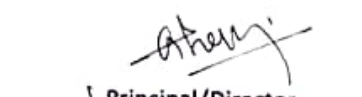
Proposed Budget of the program-

Sr. No.	Description	Nos.	Amount	Remark
1	Remuneration of resource person 1. Dr. A. M. Zende, Professor (Civil) D. A. C. O. E. Karad 2. Dr. V. S. Patil, Professor (Civil) W. C. E. Sangli 3. Prof. J. M. Shinde, Asst. Professor (Civil) A. M. G. O. I. Vathar	03	9000	
2	Breakfast/Tea	40 per day	4000	
3	Miscellaneous & Contingency Expenses	--	2000	
		Total	15000	

Date: 30.12.19


Name & Signature of Coordinator


Head of Department


Principal/Director
~~1/DIRECTOR~~
SHRI BALASAHEB MANE SHIKSHAN PRASARAK MANDAL'S
ASHOKRAO MANE GROUP OF INSTITUTIONS
Vathar Terf Vaggon, Tal. Holkarwangle, Dist. Kolhapur, M.S. 416112

Workshop Schedule:

Day 1: (28th February 2020)

10:00 AM to 11:00 AM Registration & Inauguration Function

← Tea Break →
(11.00 AM to 11.15 AM)

11:15 AM to 1:15 PM Session I : Reviewer Perspective

← Lunch Break →
(1:15 PM to 1:45PM)

1:45 PM to 3:45 PM Session II : Basics of Research

← End of Session →

Day 2: (29th February 2020)

10:00AM to 11:00 AM Session III: Research Gap Finding Part-I : Case study

← Tea Break →
(11.00 AM to 11.15 AM)

11:15 AM to 1:15 PM Session IV: Research Gap Finding Part-II : Case study

← Lunch Break →
(1:15 PM to 1:45PM)

1:45 PM to 2:45 PM Session V: Research Methodology

2:45 PM to 3:45 PM Valedictory Function

← End of Session →

❖ Patrons ❖

Hon. Shri. Vijaysinh Mane
President,

Shri. Balasaheb Mane Shikshan Prasarak Mandal, Ambap.

Hon. Shri. Vikasrao Mane
Executive President,

Shri. Balasaheb Mane Shikshan Prasarak Mandal, Ambap

Prof. P. B. Ghewari
I/C Director,

Ashokrao Mane Group of Institutions, Vathar

❖ Resource Persons ❖

Dr. S. R. Kumbhar (Professor, RIT, Islampur)

Dr. A. M. Zende (Professor, DACE, Karad)

Prof. A. V. Karvekar (Professor, AMGOI, Vathar)

❖ Convener ❖

Prof. J. M. Shinde

Head of Department,

Department of Civil Engineering,

Ashokrao Mane Group of Institutions, Vathar

❖ Coordinator ❖

Prof. S. B. Patil

Assistant Professor,

Department of Civil Engineering,

Ashokrao Mane Group of Institutions, Vathar

(Mob. 9561144938)

(Email Id: sbpatil@amgoi.edu.in)

❖ Organizing Committee ❖

- Prof. Miss. S. S. Mane
- Prof. G. N. Chavan Patil
- Prof. J. A. Patil
- Prof. S. V. Shah
- Prof. P. S. Koli
- Prof. S. S. Patil

Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's,
Ashokrao Mane Group of Institutions, Vathar

(NBA Accredited Institute)
(NAAC Accreditation – 'A' Grade)
(ISO 9001:2008 Certified Institute)

Department of Civil Engineering



Two Days Workshop

On

“Training to Research Scholar on
Research Gap Identification”

(28th & 29th Feb. 2020)

Under

Lead College Activity,
Shivaji University, Kolhapur



Ashokrao Mane Group of Institutions,
Vathar Tarf Vadgaon, Tal: Hatkanangale,
Dist: Kolhapur - 416112.

Maharashtra State, India.

Phone: (0230) 2407740, 2407750, 2407760

REGISTRATION FORM

Full Name _____

Designation _____

Institute _____

Mob. No _____

Email _____

The above said person is our part of our organization and we allow him/her for attending this Two Days Workshop.

Signature of Applicants

Signature of Authority
with Seal

About the Institute:

Ashokrao Mane Group of Institutions is one of the 'Rural-semi Urban-society centered and focused educational institute's group. When Ashokrao Mane dreamt of education, Shri Balasaheb Mane Shikshan Prasarak Mandal took its birth, with a holy intension bridging the gap between 'literate & illiterate'. Shikshan Prasarak Mandal's founder President Ashokrao Mane believed that, it is need of rural India to establish different educational Institutes. Accordingly, near about 30 various educational institutes are established for quenching the thirst of knowledge oriented people. The educational campus is located at Vathar tarf Vadgaon; Tal- Hatkanangale; Dist-Kolhapur. The campus is spread in about across 20 acres of lush greenery with well planed infrastructure. Ashokrao Mane Group of Institutions (Integrated Campus) was started in 2009 to promote Technical Education and Management studies in western part of Maharashtra State. The Integrated Campus is situated beside the Poona- Bangalore national highway (NH 4), near Kolhapur, at Vathar Turf Vadgaon, which is well connected by all modes of transport. The Integrated Campus offers education in engineering at pre graduation, graduation and post graduation level along with masters in Business Administration.

- **Vision:** To become a globally renowned institute of excellence in technology and management education for rural community

Address for Correspondence -

Ashokrao Mane Group of Institutions

Vathar Tarf Vadgaon, Tal: Hatkanangale,

Dist: Kolhapur – 416 112

Website: www.amgoi.org

About the Department:

Civil Engineering Department was established in 2009 Department is committed to focus on students overall development with keen effort of faculty & staff members.

Department with its excellent infrastructure, state to the art laboratories & computing facility is extending unlimited opportunity to students for developing to their full potential & abilities to make them a Good Engineer Department of Civil Engineering is active by promoting students for curricular & Extra-curricular activities.

Who can attend?

The teaching faculties of any Department Engineering college and P.G. Students

- **No registration fee for faculty members from lead college clusters (Two Faculties).**
- **P.G. Students /faculty will be charged Rs. 500/-**
- **No TA/DA is applicable.**

Objectives of workshop:

- Knowing the approaches in identification of research gaps
- Understanding the process of formulating a problem statement, objectives and hypothesis in research
- Understanding the concept of population, sample size, pilot study in methodology adopted

After the completion of this workshop, participants should be able to,

- Understand the need for research and formulate problem statement accordingly.
- Set Research Goals and Develop.
- Learn to report research work.



Shri Balasaheb Mane Shikshan Prasarak Mandal, Ambap's
ASHOKRAO MANE GROUP OF INSTITUTIONS
DEPARTMENT OF CIVIL ENGINEERING
TWO DAYS WORKSHOP ON
TRAINING TO RESEARCH SCHOLAR ON RESEARCH GAP IDENTIFICATION
(Under lead college programme of SUK)

COORDINATOR'S REPORT

Name of program: Training to research scholar on Research Gaps identification

Name of the Convener: Prof. J. M. Shinde

Name of the Coordinator: Prof. S. B. Patil

Objectives of the program:

1. knowing the approaches in identification of research gaps
2. Understanding the process of formulating a problem statement, objectives and hypothesis in research
3. Understanding the concept of population, sample size, pilot study in methodology adopted

About the program

In this program, the emphasis was given on the key term research gap. It is essential concept in initial phase of research. The five sessions were conducted with case studies so that participants can understand the different concepts in research such as identification of research gap, formulating problem statement, setting objectives and hypothesis which would help them to write effective research proposal. In this program, the important concepts of research methodology such as population, sample size; pilot study etc also covered so that participants can understand the difference between research methods and methodology.

Schedule the program

Day 1 – Friday, 28.02.2020

Session	Time	Resource Person
Inauguration	10.00 am to 11.00 am	Dr. S. R. Kumbhar
Session-I : Reviewers Perspective	11.00 am to 1. 00 pm	Dr. S. R. Kumbhar
Session-II : How to carry out Research	2.00 pm to 4.00 pm	Prof. A. V. Karvekar

Day 2 – Saturday, 29.02.2020

Session	Time	Resource Person
Session- III Identifying research gap-I (case studies)	10.00 am to 12.00 pm	Dr. A. M. Zende
Session- IV Identifying research gap-II (case studies)	1.00 pm to 3. 00 pm	Dr. A. M. Zende
Valedictory	3.00 pm to 4.00 pm	Dr. A. M. Zende

Session wise Report

1. Inauguration Function

The inaugural function is started at 10 am as per schedule. The chief guest for inauguration was Dr. S. R. Kumbhar, head of Automobile Department, RIT Sakharale. The function started with lightning of lamps. The introductory speech was delivered by Prof. S. B. Patil, P. G. Coordinator & coordinator of program. The felicitation of dignitaries with roses & books is followed by introductory speech. The main speech is delivered by Prof. J. M. Shinde, head of civil department. Vote of thanks was delivered by Prof. J. A. Patil.



Photo Pooja at Inauguration Function by Dr. S. R. Kumbhar



Introductory speech at Inauguration Function by Prof. S. B. Patil



Main speech at Inauguration Function by Prof. J.M. Shinde



Vote of thanks at Inauguration Function by Prof. J. A. Patil

2. Session-I : Reviewers Perspective

This session was conducted at 11.00 am to 1.00 pm on day1, Friday, 28.02.2020. The resource person for this session was Dr. S. R. Kumbhar, head of automobile department, RIT Sakharale. He delivered the session on the reviewer's perspective while writing a research papers. The main purpose of this session was to make aware the participants regarding the improving the quality of paper writing in peer reviewed journals.



Session-I Reviewers Perspective by Dr. S. R. Kumbhar



Session-I Reviewers Perspective by Dr. S. R. Kumbhar

3. Session-II : How to Carry Out Research

This session was conducted at 2.00 pm to 4.00 pm on day1, Friday, 28.02.2020. The resource person for this session was Prof. A. V. Karvekar, head of First Year Engineering department, AMGOI, Vathar. He delivered the session on how to carry out the research work. The main purpose of this session was to make aware the participants regarding the basic terminologies essential in research.



Session-II Felicitatation of Prof. A.V. Karvekar



Session-II How to carry out research by Prof. A.V. Karvekar

4. Session-III : Identifying Research Gap-I

This session was conducted at 10.00 am to 12.00 pm on day2, Saturday, 29.02.2020. The resource person for this session was Dr. A. M. Zende, head of civil department, DACOE, Karad. He delivered the session on identifying the research gap with case studies. The main purpose of this session was to make aware the participants regarding the essential of gap identification.



Session-III Felicitation of Dr. A. M. Zende



Session-III Identifying Research Gap by Dr. A. M. Zende

5. Session-IV : Identifying Research Gap-II

This session was conducted at 1.00 pm to 3.00 pm on day2, Saturday, 29.02.2020. The resource person for this session was Dr. A. M. Zende, head of civil department, DACOE, Karad. He delivered the session on identifying the research gap with case studies. The main purpose of this session was to know the participants regarding the gap identification process with different case studies.



Session-IV Identifying Research Gap-II by Dr. A. M. Zende



Session-IV Identifying Research Gap-II by Dr. A. M. Zende

6. Valedictory Function

This function was started at 3 pm as per schedule. The chief guest for inauguration was Dr. A. M. Zende, head of civil department, DACOE, Karad. The guest of honor for valedictory function was Prof. S. V. Sagavkar, Lead college institute coordinator. The overview was given by Prof. J. M. Shinde, head of civil department. The

distribution of certificates to participants is followed by overview & chief guest speech. Vote of thanks was delivered by Prof. S. B. Patil



Participant Feedback by Prof. M. A. Sutar



Participant Feedback by Mr. Ganesh Lolage



Felicitation of Lead college coordinator, Prof. S.V. Sagavkar



Certificate distribution at Valedictory Function

Participant Details

Total 49 participants were attended the program. 32 students participants from UG & PG were attended whereas 17 faculty participants were attended the program.



Group Photo with Participants

Brochure

Workshop Schedule:

Day 1: (20th February 2020)

10:00 AM to 11:00 AM	Registration & Inauguration Function
← Tea Break (11:00 AM to 11:15 AM) →	
11:15 AM to 1:15 PM	Session I: Reviewer Perspectives
← Lunch Break (1:15 PM to 1:45 PM) →	
1:45 PM to 3:45 PM	Session II: Basics of Research
← End of Session →	

Day 2: (21st February 2020)

10:00 AM to 11:00 AM	Session III: Research Gap Finding Part-I: Case study
← Tea Break (11:00 AM to 11:15 AM) →	
11:15 AM to 1:15 PM	Session IV: Research Gap Finding Part-II: Case study
← Lunch Break (1:15 PM to 1:45 PM) →	
1:45 PM to 2:45 PM	Session V: Research Methodology
2:45 PM to 3:45 PM	Valedictory Function
← End of Session →	

Patrons

Hon. Shri. Mjaysinh Mane
President,
Shri. Balasaheb Mane Shiksha Prasarak Mandal, Solapur
Hon. Shri. Vikasrao Mane
Executive President,
Shri. Balasaheb Mane Shiksha Prasarak Mandal, Ambar
Prof. P. B. Chavari
IJC Director,
Ashokrao Mane Group of Institutions, Vathar

Resource Persons

Dr. S. R. Eumbhar (Professor, IIT, Bombay)
Dr. A. M. Zende (Professor, OJCS, Karad)
Prof. A. V. Katrekar (Professor, ASMGU, Vathar)

Coverner

Prof. J. M. Shinde
Head of Department,
Department of Civil Engineering,
Ashokrao Mane Group of Institutions, Vathar

Coordinator

Prof. S. B. Patil
Assistant Professor,
Department of Civil Engineering,
Ashokrao Mane Group of Institutions, Vathar
(Mob: 9561144938)
(Email id: shbpatil@amcoi.edu.in)

Organizing Committee

- Prof. Anis S. S. Mane
- Prof. G. H. Chavari Patil
- Prof. J. A. Patil
- Prof. S. V. Dhay
- Prof. P. S. Gal
- Prof. S. S. Patil

Shri. Balasaheb Mane Shiksha Prasarak Mandal, Ambar,
Ashokrao Mane Group of Institutions, Vathar

[NBA Accredited Institute]
[NAAC Accreditation - 'A' Grade]
[ISO 9001:2008 Certified Institute]

Department of Civil Engineering



Two Days Workshop

On

"Training to Research Scholar on
Research Gap Identification"

(20th & 21st Feb. 2020)

Under

Lead College Activity,
Shivaji University, Kolhapur



Ashokrao Mane Group of Institutions,
Vathar Tal. Vadgaon, Tal: Hatkarnagale,
Dist: Kolhapur - 416112,
Maharashtra State, India.
Phone: (0233) 2407740, 2407750, 2407740

Ganesh Sapkal
co-ordinator

Patil
con vener

SEATRaining TO RESEARCH SCHOLAR ON RESEATRaining TO RESEARCH SCHOLAR ON RESEARCH GAPS IDENTIFICATION*

27/02/2020 to 28/02/2020 27/02/2020 to 28/02/2020

College : Registration Form (Lead College Faculty)

Sr. No.	Designation	Name of Participant	Designation	Name of College	Department	Contact No.	E-mail ID	Sign
12		Mr. Ganesh N. Chavan	Ass. Prof.	AMGOI	Civil		gnca@amgoi.edu.in	
13		Mr. Parashram S. Koli	—	—	—	8305191166	psk@amgoi.edu.in	
14		Mr. Suraj V. Shah	—	—	—		svs@amgoi.edu.in	
15		Mr. Suraj S. Patil	—	—	—	9960552503	sspatil@amgoi.edu.in	
16		Mr. Mahesh A. Sutar	—	—	Mech.	8600060042	mas@amgoi.edu.in	
17		Mr. Eknath N. Attiwade	—	—	—	9922848887	ena@amgoi.edu.in	


Coordinator


HOD

AMGOI

Registration Form (Lead College Faculty)

Sr. No.	Name of Participant	Designation	Name of College	Department	Contact No.	E-mail ID	Sign
1	Nileshkumar J. Kumbhar	Asst. Prof.	AMGOT	Electrical	9970437741	kumbhar.nilesh22@gmail	
2	Patil. Vileeram Bhimrao	Asst. Prof.	AMGOT	Electrical	9637257380	vbp@amgoi.edu.in	
3	P. S. Pawar	Asst. Prof.	AMGOT	CSE	9420836879	psp@amgoi.edu.in	
4	Promod. Sanjivrao S. Ladgaonkar	Asst. Prof.	AMGOT	Mech.	9404974108	psl@amgoi.edu.in	
5	Genish Rajaram Gaikwad G. R. Gaikwad	Asst. Prof.	AMGOT	Mech.	9922577884	grg@amgoi.edu.in	
6	Ms. Amruta. B. Kale	Asst. Prof.	AMGOT	E & TC	901515668	abk@amgoi.edu.in	
7	Ms. Sanika B. Vari	Asst. Prof.	AMGOT	CSE	9511261140	sanika.vari@gmail.com	
8	Mr. Arvind V. Karvekar	Asst. Prof.	AMGOT	Civil	9504440550	avk@amgoi.edu.in	
9	Mr. Jaydeep. M. Shinde	Asst. Prof.	AMGOT	Civil	9096280944	jms@amgoi.edu.in	
10	Mr. Satyajeet B. Patil	Asst. Prof.	AMGOT	Civil	9561144938	sbp@amgoi.edu.in	
11	Ms. Swati S. Mane	Asst. Prof.	AMGOT	Civil	9922376760	ssm@amgoi.edu.in	
12	Mr. Jayant A. Patil	Asst. Prof.	AMGOT	Civil	9830102082	jap@amgoi.edu.in	

Coordinator

HOD

R.M.P. Nishant Kumar

Ash

Ashokrao Mane Group of Institutions

Vathar Tarf Vadgaon, Tal.: Hatkanangale, Dist.: Kolhapur-416112

Civil Engineering Department

Two Days Workshop on

TRAINING TO RESEARCH SCHOLAR ON RESEARCH GAPS IDENTIFICATION

27/02/2020 to 28/02/2020

Registration Form (Students)

Registration Form (Students)

Sr. No.	Registration No.	Name of Participant	Designation	Name of College	Department	Contact No.	E-mail ID	Sign
13		Mali Snehal Rajendra	T.Y. CIVIL	AMGOI	CIVIL	7558282421	snehal14032000@gmail.com	
14		Kumbhar Asmita Dattabraya	T.Y. CIVIL	AMGOI	CIVIL	9511900350	asmitakumbhar1210@gmail.com	
15		Shinde Vaishnavi Suresh	T.Y. CIVIL	AMGOI	CIVIL	9595854483	Vaishnavishinde21@gmail.com	
16		Pandit Priyanka Sambhaji	T.Y. CIVIL	AMGOI	CIVIL	8390582614	priyankapandit1261@gmail.com	
17		Patil Kaajuna Chandrakant	T.Y. CIVIL	AMGOI	CIVIL	9579562585	patilkaajuna27@gmail.com	
18		Kamate Abhijit Amarsingh	T.Y. CIVIL	AMGOI	CIVIL	7038758015	kamateabhijit6@gmail.com	
19		Vibhute Prathmesh Gundu	T.Y. CIVIL	AMGOI	CIVIL	9075151007	prathmeshvibhute1007@gmail.com	
20		Prathmesh M. Patil	B.E. CIVIL	AMGOI	CIVIL	9180817913	prathmeshpatil1988@gmail.com	
21		Patil Akshay Lalaso	T.Y. (CIVIL)	AMGOI	CIVIL	9921576760	patilak9@gmail.com	
22		Pinjari Sanda Isak	BE (CIVIL)	AMGOI	CIVIL	8208811014	Sandapinjari22@gmail.com	
23		Gawas Vinit Vishwanath	BE (CIVIL)	AMGOI	CIVIL	7261950582	vinitgawas1399@gmail.com	
24		Parake Sandip Dhondeeba	BE (CIVIL)	AMGOI	CIVIL	7038883698	Sandipparake0602@gmail.com	

Cordinator

HOD

TRAINING TO RESEARCH SCHOLAR ON RESEARCH TO RESEARCH SCHOLAR ON RESEARCH GAPS IDENTIFICATION

27/02/2020 to 28/02/2020

27/02/2020 to 28/02/2020

Registration Form (Students)

Registration Form (Students)

Sr. No.	Registration No.	Name of Participant	Designation	Name of College	Department	Contact No.	E-mail ID	Sign
1		Mankar Kalpesh Shivaji	BE civil	AMGOI	Civil	8623926635	ksmankar3435@gmail.com	<i>KM</i>
2		Kudalkar Aditya Mukund	BE civil	AMGOI	Civil	7038819062	adityakudalkar100@gmail.com	<i>AK</i>
3		Mankar Rushikesh Kumar	B.E Civil	AMGOI	Civil	9881922616	rkmankar2015@P@net.com	<i>RK</i>
4		Bange Omkar Krishnat	B.E Civil	AMGOI	-11-	9168407718	ombange6698@	<i>OB</i>
5		Desai Namrata Sanjay	BE CIVIL	AMGOI	CIVIL	9359686133	namudesai9399@gmail.com	<i>ND</i>
6		Patil Shweta Uttam	BE civil	AMGOI	Civil	7757978180	patilshweta.sp.13@gmail.com	<i>SP</i>
7		Kashmiri Shrutika Shrenik	BE CIVIL	AMGOI	Civil	9049683132	shrutikakashmiri27@gmail.com	<i>SK</i>
8		Chougule Shivani Rajaram	BE CIVIL	AMGOI	Civil	7447249000	shivnichougule.77@gmail.com	<i>SN</i>
9		Kamble Annapali Sudam	BE CIVIL	AMGOI	Civil	7028291658	annapali076@gmail.com	<i>AK</i>
10		Sutar Bhavesh Dilip	BE CIVIL	AMGOI	Civil	9561384916	sutarbhavesh936@gmail.com	<i>BS</i>
11		Jugale Saurav Babasa	B.E. CIVIL	A.M.G.O.I	CIVIL	7385376318	sauravbj54@gmail.com	<i>JS</i>
12		Patil Pratiksha Rajendra	T.Y. CIVIL	A.M.G.O.I	Civil	9511955147	pratikshapatil2425@gmail.com	<i>PK</i>

BA
Coordinator

MD

TRAINING TO RESEARCH SCHOLAR ON RESEARCH GAPS IDENTIFICATION

27/02/2020 to 28/02/2020

28/02/2020 to 29/02/2020

Registration Form (Students)

Registration Form (Students)

Sr. No.	Designation	Name of Participant	College	Designation	Name of College	Department	Contact No.	E-mail ID	Sign
25	Shinde	Rashikesh	Guravari	B.E. civil	AMGOI	Civil	9823690911	rashikeshshinde91178@gmail.com	
26	Biraje	Swaroj	Romelendra	B.E. civil	AMGOI	Civil	9552787897	swarojbiraje@gmail.com	
27	Aawale	Nilesh	Sambhaji	BE civil	AMGOI	Civil	9156564548	nileshawale9@gmail.com	
28	Patil	Vinay	Vishnu	B.E. Civil	AMGOI	Civil	7507499424	Vinaypatil16019@gmail.com	
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Coordinator

HOD



SHRI BALASAHEE MANE SHIKSHAN PRASARAK MANDAL, AMBAP'S

ASHOKRAO MANE GROUP OF INSTITUTIONS



DEPARTMENT OF CIVIL ENGINEERING

TWO DAYS WORKSHOP

under

LEAD COLLEGE ACTIVITY

(Shivaji University , Kolhapur)

❧ CERTIFICATE ❧

This is to certify that _____
of _____ has
participated and successfully completed the two days workshop on “**Training
To Research Scholar on Research Gap Identification**” organized by Department
of Civil Engineering , Ashokrao Mane Group of Institutions , Vathar under Lead
College Activity ,Shivaji University , Kolhapur 28th & 29th February 2020.

Prof. S. B. Patil
Co-ordinator

Prof. J. M. Shinde
Convener & HOD

Prof. P. B. Ghewari
Director



Shri Balasaheb Mane Shikshan Prasarak Mandal's

Ashokrao Mane Group of Institutions, Vathar

(NBA Accredited Institute)(NAAC Accreditation - 'A' Grade)(ISO 9001:2008 Certified Institute)

TWO DAYS WORKSHOP (28th - 29th February)

"Training to Research Scholar on Research Gap Identification"

Lead College Activity, Shivaji University, Kolhapur



FEEDBACK FORM

Name of Participant:- Shinde Rushikesh Gunawar

Name of College:- AMGOT

A) Your observation about sessions (please tick mark to the answer)

Sr. No.	Title	Expert	Date	Session	Satisfactory(1)	Very good(3)	Excellent(5)
1	Reviewers Perspective	Dr. S. R. Kumbhar	28/02/2020	I		✓	
2	How to carry out Research work	Prof. A. V. Karvekar	28/02/2020	II			✓
3	Identifying Research Gap-Problems and Solutions	Dr. A. M. Zende	29/02/2020	III & IV			✓
4	Refreshment						✓
5	Overall Arrangement						✓

B) Whether you were benefited from the program? (Yes/ No)

C) From the following parameters, in which you have benefited from the program

Sr. No.	Parameters	Yes	No
1	Knowledge upgradation	✓	
2	Development of research attitude	✓	
3	Lifelong learning (case study)	✓	

D) Other benefits (if any) :-

E) Any suggestions for improvements:-

Shinde
Signature of participant