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|  | **Padm. Dr. V. B. Kolte College of Engineering,**  **Malkapur**  Mechanical Engineering Department ( Polytechnic) |
|  | **Summary Report of National Level Faculty Development Program on Research Methodology** |

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| 2 | Title of course | National Level Faculty Development Program on Research Methodology |
| 3 | Scheduled Date of: | **26th to 30th May2020** |
| 4 | Programme Convener | Prof. S. N. Khachane |
| 5 | Programme coordinator | Prof. S. S. Patil |
| 6 | Organizing Committee | Prof. D. R. Joshi and Prof. S. M. Bhole |
| 7 | Principal | Dr. Prof.A. W. Kharche  Padm.Dr.V.B.Kolte College of Engineering Malkapur Dist-Buldhana (Maharashtra) |
| 8 | Programme Links | Join Zoom Meeting https://us04web.zoom.us/j/8221165570?pwd=UFptUElpVG9wanQxY UtNVlgya1lIdz09 Meeting ID: 822 116 5570 Password: 12345 |
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|  |  | YouTube Live Link |
|  |  | DAY1-<https://youtu.be/1QmjG2f70KA> |
|  |  | DAY2 - [https://youtu.be/Sm7wQDOkCKQ](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fyoutu%2Ebe%2FSm7wQDOkCKQ&isImage=0&BlockImage=0&rediffng=0&rogue=d8da9105318c69d18fc23dbc4f4fac7c325cffd1&rdf=XngFZgBpAmMANAMnBz8CblYz) |
|  |  | DAY3-[https://youtu.be/8jwuuh96umA](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fyoutu%2Ebe%2F8jwuuh96umA&isImage=0&BlockImage=0&rediffng=0&rogue=2333c106badefdf00a8a046adba33d4012a2baf8&rdf=VnADYARtVTQFMQcjBj5RPQFk) |
|  |  | DAY4-[https://youtu.be/WK1T6p39GMA](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fyoutu%2Ebe%2FWK1T6p39GMA&isImage=0&BlockImage=0&rediffng=0&rogue=d70412bcf972129598d6e1a1de5340e7b3b17de7&rdf=VXMHZFA5UTBQZFx4Vm4KZlM2) |
|  |  | DAY5-[https://youtu.be/0kqNBrhfVtQ](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fyoutu%2Ebe%2F0kqNBrhfVtQ&isImage=0&BlockImage=0&rediffng=0&rogue=544e9f2842fc9ecbdaf2b715ae92170602dea220&rdf=ByEDYFI7UDFRZQYiADgLZ1Qx) |

# Objective of STTP:

One Week FDP Programme on **“Research Methodology”** under was held at Padm. Dr V. B. Kolte College of Engineering Malkapur from 26 May to 30 May 2020.

The FDP will help create awareness and deeper understanding of research activity among the faculties and researchers working in various disciplines of engineering and sciences.

# Resource Person:

The eminent personalities present on the inauguration of the Programme:

* Dr. S. F. R. Khadri Director, IQAC, Prof. & Head, Dept. of Geology S G B A U Amravati
* Dr. Archana Thosar Dean R & D, Professor Electrical Engg. Dept., COE Pune
* Mr. Ganesh Hingmire Founder and chairman GMCC, National IP Award Winner 2015 & 2016
* Dr. C. R. Patil Professor, Mechanical Department, PRMITR, Badnera
* Dr. Ajit Thete Ex- Joint Director, DTE- Aurangabad
* Dr. Archana Bhalchandra Professor E & Tc. Engg. Dept., C. O. E., Pune
* Dr. S. V. Bansod, BOS Chairman, Production Engg. Dept., S G B A U, Amravati
* Dr. A. D. Shirbhate, Prof. Mechanical Engg. Dept., PRMITR, Badnera
* Dr. D G Regulwar, Prof. Civil Engg. Dept., Govt. C. O. E., Aurangabad
* Dr S B Sanap, HoD, Mechanical Engg. Dept., MIT Pune (Loni)
* Dr V Sunnapwar, Principal, L. T. T. C. O. E., Vashi
* Dr. Bhushan Patil, HoD, Production Engg. Dept., F. A. C. O. E, Bandra

No of Participants Registered: 610

Schedule of the Programme:-

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| **Date** | **Code** | **Time** | **Topics** | **Name of Speaker** | **Designation** | **Email-id** |
| 26 May  2020 | **Day 1** | | | | | |
| Inauguration Session | | | | | |
| 1A | 10.00 to 10.40 am | Introduction of research methodology | Dr. S. F. R. Khadri | Director, IQAC,  Prof. & Head, Dept. of Geology  S G B A U Amravati | [diriqac@sgbau.ac.in](javascript:void(0);) |
| 1B | 11:00 to 11:40 am | Types of research |
| 1C | 12:00 to 12:40 pm | Identification and definition of research problem | Dr. Archana Thosar | Dean R & D,  Professor Electrical Engg. Dept.,  COEP | agt.elec@coep.ac.in |
| 27 May  2020 | **Day 2** | | | | | |
| 2A | 10.00 to 10.40 am | Intellectual Property Right | Mr. Ganesh Hingmire | Founder and chairman GMCC,  National IP Award Winner 2015 & 2016 | ganesh.hingmire@gmail.com |
| 2B | 11:00 to 11:40 am | Intellectual Property Right | Mr. Ganesh Hingmire |
| 2C | 12:00 to 12:40 pm | Types of Publication and Importance | Dr. C. R. Patil | Professor, Mechanical Department, PRMITR, Badnera | crpatil333@rediffmail.com |
| 28 May 2020 | **Day 3** | | | | | |
| 3A | 10.00 to 10.40 am | Review of literature | Dr. Ajit Thete | Ex- Joint Director, DTE- Aurangabad | ajit\_thete@rediffmail.com |
| 3B | 11:00 to 11:40 am | Data collection and preparation | Dr. Ajit Thete |
| 3C | 12:00 to 12:40 pm | Basics of statistics, probability and sampling distribution | Dr. Archana Bhalchandra | Professor E & Tc. Engg. Dept.,  C. O. E., Pune | asbhalchandra@gmail.com |
| 3D | 1:00 to  1: 40 pm | Research and creative problem solving | Dr. S. V. Bansod | BOS Chairman, Production Engg. Dept., S G B A U, Amravati | satishbansod@rediffmail.com |
| 29 May 2020 | **Day 4** | | | | | |
| 4A | 10.00 to 10.40 am | Basics of design of Experiment | Dr. A. D. Shirbhate | Prof. Mechanical Engg. Dept., PRMITR, Badnera |  |
| 4B | 11:00 to 11:40 am | Optimization Technique | Dr. D G Regulwar | Prof. Civil Engg. Dept.,  Govt. C. O. E., Aurangabad | regulwar@gmail.com |
| 4C | 12:00 to 12:40 pm | Interpretation and report writing | Dr S B Sanap | HoD, Mechanical Engg. Dept.,  MIT Pune (Loni) | Sudarshan.sanap@mituniversity.edu.in |
| 30 May 2020 | **Day 5** | | | | | |
| 5A | 10.00 to 10.40 am | Using Mendeley for referencing and citing | Dr. A. D. Vikhar | Lecturer  G. P. Jalgaon | ashishvikhar09@gmail.com |
| 5B | 11:00 to 11:40 am | Research ethics | Dr V Sunnapwar | Principal, L. T. T. C. O. E., Vashi | Vivek.sunnapwar@gmail.com |
| 5C | 12:00 to 12:40 pm | Publishing of research work | Dr. Bhushan Patil | HoD, Production Engg. Dept.,  F. A. C. O. E, Bandra | bhushanpatil@gmail.com |
|  | 01:00 to 01:40 pm | Valedictory function | | | |

# Outcome of the Event:

Participants familiar with the following topics:

* Introduction of research methodology
* Types of research
* Identification and definition of research problem
* Review of literature
* Data collection and preparation
* Basics of statistics, probability and sampling distribution.
* Testing of hypothesis
* Basics of design of Experiment
* Optimization Technique
* Multivariate analysis
* Interpretation and report writing
* Using Mendeley for referencing and citing
* Research ethics
* Intellectual Property Right
* Publishing of research work

# Glimpses of STTP Event:



