



ATAL FDP ON OPERATIONS MANAGEMENT



REPORT OF FPD
ON
OPERATIONS MANAGEMENT
(16TH TO 20TH AUGUST 2021)
BY
MECHANICAL ENGINEERING DEPARTMENT
GOA COLLEGE OF ENGINEERING
FARMAGUDI, GOA



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ATAL Faculty Development Programme was organized by Mechanical Engineering Department of Goa College of Engineering from 16/08/2021 to 20/08/2021. This was attended by faculty members from various technical and non – technical institutions from the country along with representatives from industry and research scholars.

Eminent resource persons from institutions of repute including Lulea Institute of Technology, SWEDEN, IIT Bombay, IIT Goa, IISC Bangalore, MNIT Surat, MNIT Jaipur, National Institute of Industrial Engineering, Goa College of Engineering Mumbai and Senior Executives from Industry gave high quality inputs through interactive sessions. The participants were exposed to techniques of Meditation and relaxation through an expert session on this topic.

The details of the speakers for the ATAL FDP are shown in the following Session Plan.



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SESSION PLAN FOR ATAL FDP ON "OPERATIONS MANAGEMENT" -16-20 AUGUST 2021

| Session | Time | Title | Resource Person |
|---------------------------|-------------------|--|---|
| Day 1: 16-08-2021 | | | |
| 1 | 9.00-11.00 am | Real Life Problem Formulation and Solution Strategies | Dr. Vinay Shiroadkar Head, Mechanical Engineering Dept., Goa College of Engineering, Goa |
| 2 | 11.30 am- 1.30 pm | Industry 4.0 Applications in Supply Chain and Logistics | Dr. Gunjan Soni Assistant Professor, Mechanical Engineering Malaviya National Institute of Technology (MNIT), Jaipur |
| 3 | 2.00-4.00 pm | Circular Supply Chain | Dr. Ravi Kant Associate Professor, Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat |
| Day 2 : 17-08-2021 | | | |
| 4 | 9.00-11.00 am | Reliability Engineering- Concepts and Advances | Dr. Rajesh S. Prabhu Gaonkar Professor, School of Mechanical Sciences Indian Institute of Technology Goa |
| 5 | 11.15 am- 1.15 pm | Advances in Maintenance Engineering and Management | Dr. Makarand .S. Kulkarni Professor, Mechanical Engineering, IIT Bombay |
| 6 | 2.00-4.00 pm | Case Study: " Energy conservation in Tyre industries" | Mr. Dinesh Virginkar Sr. Production Manager, MRF, Goa |
| Day 3 : 18-08-2021 | | | |
| 7 | 9.00-11.00 am | Mahalanobis Taguchi System: Applications in Industrial Engineering | Dr. Suraj Rane Professor, Mechanical Engineering Dept., Goa College of Engineering, Goa |
| 8 | 11.15 am- 1.15 pm | Multi Criteria Decision Making Applications in Supply Chain Management | Prof. Milind Sakhardande Associate Professor, Mechanical Engineering Dept., Goa College of Engineering, Goa |
| 9 | 2.00-4.00 pm | Case Study: Application of Six Sigma in Motors Manufacturing Industry | Mr. Vaibhav Velingkar Sr. Manager, Production, C.G. Power and Industrial Solutions Ltd., Goa |
| Day 4 : 19-08-2021 | | | |



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| 10 | 9.00-11.00 am | Lean Manufacturing | Dr. B.E. Narkhede Associate Professor, Operations & Supply Chain Management, National Institute of Industrial Engineering, Mumbai |
| 11 | 11.15 am- 1.15 pm | Case Study: Q.M. Through Integrated Enterprise Class System | Mr. Ramakrishna Parsekar DGM-Global IT, Wockhardt Ltd., Mumbai |
| 12 | 2.00-4.00 pm | Predictive Maintenance for Railway Infrastructure | Dr. Aditya Thaduri Associate Professor, Division of Operations and Maintenance Engineering, Lulea Institute of Technology, SWEDEN |
| Day 5 : 20-08-2021 | | | |
| 13 | 9.00-11.00 am | Dynamic Scheduling | Dr. M. Mathirajan Chief Research Scientist, Department of Management Studies, I.I.Sc. Banglore |
| 14 | 11.15 am- 1.15 pm | Meditate, Relax and Excel | Mr. Floyd D'Silva Facilitator & Trainer, Self-growth Modalities |
| 15 | 2.00-4.00 pm | Valediction/Feedback | |

The Inaugural function was conducted on 16th August 2021 at 9.00 am and Dr. Rajesh Lohani addressed the participants. The inaugural session “Real Life Problem Formulation and Solution Strategies” was delivered by Head of Mechanical Engineering Department, Dr. Vinay Shirodkar.

In addition to expert sessions by Senior Academicians and researchers, there were case studies presented by Senior Executives from industries.



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The FDP was attended by following participants:

| Name | Institute Name | Designation | Specialisation |
|--------------------------------|---|------------------------------|--|
| Mr. Ansari Usama Shakeel Ahmed | IIT Madras | Student | Engineering Design |
| Mr. DK Mittal | MDI Gurgaon | FPM Student | OM |
| Mrs. NISA JAMES | KANNUR UNIVERSITY | Assistant Professor | OPERATIONS,MARKETING,SYSTEMS |
| Mr. B.SRINIVASA RAO | Gandhi Institute of Excellent Technocrats | Associate Professor | Mechanical, Production & Industrial Engineering |
| Mr. Vikrant Sharma | Mody University | Assistant Professor | Production and Industrial Engineering |
| Mr. Sankha Chatterjee | NSHM Knowledge Campus,Durgapur | Assistant Professor | Systems & Operations Management |
| Mr. E Veera Pratap | GITAM deemed to be University | Assistant Professor | Industrial Engineering |
| Mrs. Mayuri | D.Y.Patil Technical campus,Talsande,Kolhapur | Assistant Professor | Operations Management |
| Mr Imran Asif | Kolkata | Food and Beverage Supervisor | Food and Beverage Supervisor |
| Mr. Mohd Mujahid Khan | IIT Kanpur | Research Scholar | Industrial Engineering |
| Mrs. Sajeena | Brindavan Group of Institution | Assistant Professor | Logistics and Supply Chain Management |
| Mr Mohammed hasanuddin adil | Al Mahhf Solar Engineering & Technologies pvt ltd | Civil Engineer | Construction, Logistics, Supply chain management |
| Mr. Firoz N | T K M College of Engineering | Assistant Professor | Industrial Engineering and Management |
| Mr. S Sreekanth | Sree Vidyanikethan Engineering College | Assistant Professor | Industrial and Management Engineering |
| Mr. RAJU TIWARY | NEC | Manager | Mechanical and industry Related |
| Mr. PEERAJ MAZUMDER | GKCEM, JIS GROUP | Assistant Professor | Manufacturing |
| Mr. Dibyendu Mondal | Greater kolkata College of Engineering & Management | Assistant Professor | Fluid mechanics & Water Resources |
| Mr. RAJARSHI CHAKRABORTY | Greater Kolkata College of Engineering and Technology | Assistant Professor | Manufacturing Technology |



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| Dr. BRIJESH KUMAR SINGH | Galgotias College of Engineering and Technology, Greater Noida, Gautam Buddha Nagar | Associate Professor | Marketing and Finance |
| Mr. RITESH KUMAR SINGH | Indira Gandhi National Open University | Academic Counselor | Production/Operations Management |
| Dr. Vernika Agarwal | Amity University Uttar Pradesh | Assistant Professor | Operational Research |
| Dr. ASIF KHAN | Rajkiya Engineering College MAINPURI | Assistant Professor | Management |
| Dr. Firoz Ahmad | Indian Statistical Institute Bangalore | Research Associate | Operations Research |
| Mr Vinay singh Chauhan | DDCM | Assistant Professor | Management |
| Mr. Swapnil Ramani | Don Bosco College of Engineering | Assistant Professor | Manufacturing Science and Engineering |
| Mr. Nandhakumar K | BNM Institute of Technology | Instructor | Mechanical Engineering |
| Mr. THOMAS JOSEPH | JAWAHARLAL COLLEGE OF ENGINEERING AND TECHNOLOGY | Assistant Professor | COMPUTER AIDED DESIGN |
| Mr. Dhananjay Kumar | Poornima College Of Engineering | Assistant Professor | Production Engineering |
| Miss priya | SCMS COCHIN SCHOOL OF BUSINESS | Assistant Professor | operations |
| Dr. Duraimurugan S | St. Joseph's College of Engineering | Associate Professor | Information Technology |
| Mr. SURAJ RAVINDRA MARATHE | DON BOSCO COLLEGE OF ENGINEERING | Assistant Professor | Industrial |
| Dr. SULTANA BEGUM ABIDA MAZUMDER | North-Eastern Hill University | Assistant Professor | Finance and Marketing |
| Mr. Gaurav Sharma | SMS Lucknow | Assistant Professor | Management |
| Mrs. Monali Tiwane | Sgbt | ENGINEER | ASSISTANT ENGINEER |
| Dr. C.M.Sudha Arogya Mary | Saveetha Engineering College(Autonomous) | Assistant Professor | Finance & Marketing |
| Mr Trushal Kisan Nikam | NES Ratnam Collage Bhandup Mumbai | Team Leader | Commerce |
| Mr. Harshit Sharma | Suresh Gyan Vihar University, Jaipur | Assistant Professor | Management |



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| Mr. Praveen Kumar Sharma | Gyan vihar University | Assistant Professor | Management |
| Mr. Dinesh Vijay Deshmukh | KCE'S college of Engineering and Management Jalgaon | Assistant Professor | Marketing |
| Dr. Dr Suman Gulia | Maharishi Markandeshwar (Deemed to be) University, Mullana, Ambala, Haryana | Assistant Professor | Management |
| Mr. Subhani Mohammed | Sasi Institute of Technology & Engineering | Assistant Professor | Mechanical engineering |
| Dr. D K Vikrama | jnnce | Assistant Professor | marketing |
| Mrs. TAMILSELVI | Jerusalem College of Engineering | Associate Professor | Electronics and Communication Engineering |
| Mrs. VANAM RAJITHA | VAAGDEVI COLLEGE OF ENGINEERING W | Assistant Professor | finance |
| Mr. Atma Nand | Uttaranchal University | Assistant Professor | Mathematics |
| Mr. Rahul Vishwanath Mulay | KJ Somaiya Institute of Management | Assistant Professor | Operations Management |
| Dr. SASIKUMAR G | GMR INSTITUTE OF TECHNOLOGY | Professor | Mechanical Engg |
| Dr. Dinesh S | SASTRA Deemed University | Assistant Professor | Finance |
| Mr. Sanjiv Bhushan Sinha | SUNBEAM SCHOOL MUGHALSARAI | TGT | Mathematics |
| Dr. Sanjay Thakur | Career Point University | Professor | Digital Marketing/ Operations |
| Mr. Gaurav Sahu | Oriental Institute of Science and Technology | Assistant Professor | IEM |
| Mr. Pravin Popat Mane | GHRIET | Assistant Professor | Construction & Management |
| Mr. TAMILARASAN K | Madras institute of Technology | Teaching fellow | ME Manufacturing Technology |
| Mr. KIRAN VIVREKAR | Medi-Caps University , Indore | Assistant Professor | Mechanical |
| Mr. Mohd Arif Khan | Aligarh Muslim University | Research Scholar | Optimization |
| Mr. NIYAS KM | VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI | Assistant Professor | MECHANICAL ENGINEERING |



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| Miss Nishtha Agarwal | Indian Institute of Foreign Trade | Research Scholar | operations and supply chain management |
| Dr. Sharad Chaturvedi | Sharda University | Professor | Management |
| Mr. Praveen Kumar B H | J N N College of Engineering | Assistant Professor | Finance |
| Mr. ANIRUDDHA SURESH AMNERKAR | Institute of Science, Poona's Institute of Business Management and Research, Wakad, Pune | STUDENT | Finance Management |
| Dr. SAROJRANI PATNAIK | VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY BURLA | Associate Professor | PRODUCTION ENGG |
| Mrs. ALISHA ANCHEARY | Aditya Birla Grasim Industries | ASSISTANT MANAGER | OPERATIONS MANAGEMENT |
| Dr. Rajinder kaur Bhogal | Chandigarh Group of Colleges, Jhanjeri | Associate Professor | finance and management |
| Mr. Rajaram Rout | Global Institute of Management, Bhubaneswar | Assistant Professor | Finance |
| Mrs. Tahmeena Masood | R.G.Kedia College | Assistant Professor | HR |
| Miss Aafrin Yusuf Khan | Godavari Institute of Management and Research Jalgaon | Assistant Professor | Operations Management |
| Dr. SHAILESH TANDON | SRMGPC | Associate Professor | Marketing & Finance |
| Mr. PANUGANTI CHITTI BABU | Anurag Engineering College | Assistant Professor | Thermal engineering |
| Mrs. Meenakshi Rani | Chnadigarh University | Assistant Professor | Finance |
| Mr. Chinmay Pingulkar | VIVA Institute of Technology | Assistant Professor | Mechanical Engineering |
| Dr. Kanagala Anusha | KL Deemed to be university | Assistant Professor | Marketing, Supply Chain |
| Dr. P N Jyothi | K S School of Engineering and Management | Professor | Manufacturing |
| Mr. CH. SURESH | Dr.Lankapalli Bullayya College | Assistant Professor | MECHANICAL ENIGEERING; MARKETING; COMPUTER SCIENCE & TECHNOLOGY; INDUSTRIAL ENGINEERING |
| Naveen Kumar | Bengaluru | Project manager | Automation projects |
| Dr. Rajesh Jaware | Terna Engg College Navi Mumbai | Professor | Industrial Engineering |



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| Dr. Saiful Islam Ansari | AZAD INSTITUTE OF ENGINEERING AND TECHNOLOGY | Associate Professor | MATGEMATICAL STATISTICS |
| Dr. PUNEET CHOPRA | RSV Higher Secondary School, Bikaner | post graduate teacher | doctorate |
| Miss K. Nivetha | Nadar Saraswathi College of arts and science | Assistant Professor | Marketing |
| Mrs. Harneet Kaur | Chandigarh University | Assistant Professor | MBA |
| Dr. BARANIDHARAN K | SRI SAIRAM INSTITUTE OF TECHNOLOGY | Assistant Professor | MBA |
| Miss APARNA K P | SCMS COCHIN | Assistant Professor | MANAGEMENT |
| Mr. Sandeep Kumar | Central University of Jharkhand | Section Officer | Administration/Management/Finance/Examinations |
| Mrs. Soumya Neelapally | Sharnbasva University | Assistant Professor | Human Resources |
| Mr. PRASENJIT MITRA MUSTAPHEE | A.S.College,Deoghar | Assistant Professor | Marketing Management |
| Mr. Malvade Niket Vishnu | Karmaveer Bhaurao Patil College of Engineering, Satara | Assistant Professor | Mechanical |
| Dr. Gajanan Gawde | Goa College of Engineering, Farmagudi-Goa | Assistant Professor | Computer Engineering |
| Mrs. LAVANYA R | Nadar Saraswathi college of arts and Science,Theni | Assistant Professor | Commerce |
| Mrs. Sheenam | Chandigarh University | Assistant Professor | Computers sciencee |
| Mr. Vishal Ganpat Galande | K.K.Wagh Institute of Engineering Education and Research, Nashik | Assistant Professor | M.E. (Design Engineering) |
| Mr. Neeraj Kumar | KIET Group of Institutions Ghaziabad | Assistant Professor | MECH ENGG |
| Mr. M VIGNESHPRABHU | P.A. COLLEGE OF ENGINEERING AND TECHNOLOGY | Assistant Professor | Lean Manufacturing |
| Dr. Arun Singh Thakur | Panjab University | Assistant Professor | Special interest tourism |
| Dr. Kamalakanta Muduli | CVRGU | Assistant Professor | Operations Management |
| Mr. Balasaheb Shankarrao Patil | ISBT Goa | Assistant Professor | ME(Industrial Engineering) |
| Dr. POOJA KUMARI | Jain Deemed to be university | Assistant Professor | Account and Finance |



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| Miss PRITI SHASHIKANT VAIRAGI | VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY | Assistant Professor | MECHANICAL ENGINEERING |
| Mr. DEBASISH KANUNGO | RAVENSHAW UNIVERSITY | Assistant Professor | Management |
| Mr. NISHANT SHANDILYA | thyssenkrupp Industrial Solution | Executive Engineer | Electrical Engineering |

This was the second ATAL FDP conducted by Goa College of Engineering and the first one by the Mechanical Engineering Department of the College. Mechanical Engineering Department of this College will conduct one more ATAL FDP from 6th to 10th December 2021 on “Alternate Fuels”.

This initiative of Online FDPs has enabled participants in large numbers to learn from experts at national and international level. We thank AICTE for this initiative and making us a part of this noble process.