**AJAY KUMAR GARG ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**REPORT ON FDP “FINITE ELEMENT METHODS”**

**(23rd NOV 2020 TO 27th NOV 2020)**

The Department of Mechanical Engineering has organized an online Faculty Development Programme on “Finite Element Methods” on 23rd Nov 2020 to 27th Nov 2020. The programme was very successful. Total 85 participants have attended this FDP and given very positive feedback about the content and the conduction of the FDP. The E-certificate have been issued to only those participant who attended all the session.

The resource persons have been invited to deliver their expert lectures with the expertise in the field of FEM. All resource persons were from the institute of repute including IITs, NITs, State Govt. Engineering colleges and industry.

The following eminent speakers delivered their expert lecture during the FDP.

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| **S. No.** | **Name of resource person** | **Parent organization** | **Topic of their lecure** |
| 1 | Prof. I.V. Singh | IIT, Roorkee | Application of FEM in the field of Solid Solid Mechanics Problems.  |
| 2 | Prof. Mukul Shukla | MNNIT, Allahabad (Prayagaj) | Application of FEM in the field of Thermal Engineering, topology Opmization and demo of the Abaqus Softwar.  |
| 3 | Prof. Vikas Rastogi | DTU, New Delhi | Modeling and Simulation of Dynamical Systems.  |
| 4 | Dr. P.S. Balaji | NIT, Rourkela | Practical Aspects of Finite Element Analyis.  |
| 5 | Dr. Rajeev Agrawal | MNIT, Jaipur | Capabilities and Challenges in FEM.  |
| 6 | Prof. Basant Sikarwar | Amity University | Computational Methods for Engineering and CFD Solver based Finite Volume Methods.  |
| 7 | Dr. Avadesh K. Sharma | REC, Mainpuri | FEM and it’s implementation for Mechancial Engineering.  |
| 8 | Dr. Tushar Sharma | ARK Solution | Design for Engineerign Simulation - Ansys Multi Physics.  |
| 9 | Mr. Kailas Jagtap | ARK Solution | CFD Analysis |
| 10 | Mr. Vikram Singh Rajput | AKGEC, Ghaziabad | Hands on Ansys Tool and case studies.  |

The FDP had been concluded on 27th Nov 2020 at 3.30 pm. In the last session during 2.00-3.30 the participant were given their suggestion and feedback. Mr. Pradeep Jain, Coordinater of the FDP had presented the vote of thanks in the end of the programme.