BHEEMA INSTITUTE OF TECHNOLOGY & SCIENCE

(Sponsored by Bheema Educational Society)
(Approved by AICTE & Affiliated to JNTUA, Anantapuramu)
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6.3.3 Annual reports highlighting the programmes undertaken by the teachers.

Faculty Development Program is aiming for India's higher education system in attaining sustainable development and achieving higher growth rates which could be enabled through creation, transmission, and dissemination of knowledge. The importance of Faculty Development Programs (FDP) has been attached to better responsiveness to advance situations and criticalities of the subject. FDP's have proven to be successful to teaching skills in higher education by making the learning methodology more acceptable, easy to comprehend, contemporary yet rigorous in evaluation procedures. This is where we see that faculty members need to be prepared enough by some sort of a faculty development program (FDP) in order to deal with the rapid changes and shifting paradigms in technical education.

Objectives of FDP's

- Quality Initiatives in Technical Education
- Leadership in Higher and Technical Education
- Industry Institute Interaction for Indian Innovation
- Innovation Incubation & Entrepreneurship
- Professional Ethics & Values in Research & Development
- Lab Management and Maintenance for Lab Technicians
- Choice Based Credit System, OBE
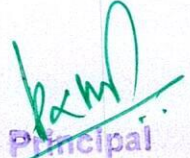- Intellectual Property Rights(IPR) and Patenting

The FDP is designed to enhance the skills of the teaching and non-teaching staff This FDP is aimed at familiarizing the participants about the latest trends and techniques FDP programme to cover areas such as technical education policy, new concepts, methods and techniques, theory and skills development in all branches like CIVIL, EEE, MECH, ECE, CSE, H&S . Over the last few years it has been witnessed that faculty development programs have rapidly evolved and have expanded progressively.

Bheema Institute of Technology and Science has conducted the following FDP's:

In 2018-19, 6 FDP's had been conducted for 61 teaching faculty and 2 FDP's had been conducted for 45 non-teaching faculty members.

In 2019-20, 6 FDP's had been conducted for 56 teaching faculty and 2 FDP's had been conducted for 45 non-teaching faculty members.

In 2020-21,2 FDP's had been conducted for 46 non-teaching faculty members.

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In 2021-22, 6 FDP's had been conducted for 63 teaching faculty and 2 FDP's had been conducted for 44 non-teaching faculty members.

In 2022-23, 6 FDP's had been conducted for 64 teaching faculty and 2 FDP's had been conducted for 45 non-teaching faculty members.
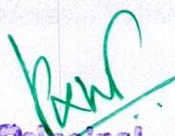
Outcomes of FDP

All the sessions were very much informative. The discussed areas are of great benefit in understanding the theoretical concepts and laboratory practices. The program shall become a platform of exchange of scientific and academic ideas and networking. This program shall present before them new directions to plan and impart quality technical education at their working place taking use of the knowledge gained in the thrust area.

1. TEACHING STAFF

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2018-2019	Engineering Mechanics	61
	Signals & Systems	
	Design of Experiment	
	Advance in Electronics Device Modeling & Simulation Studies	
	Natural Language Processing	
	Advance Teaching Tool Techniques & Methodologies for Outcome Based Engineering Education	

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2019-2020	Finite Element Methods for Engineering Applications	56
	Feature Automation of Power systems Protection in Indian Power Sector	
	Recent Advancements & Challenges in Electric vehicle Technology	
	Fundamentals of Micro & Nano Fabrication	
	Fascinating Python Applications in real world NVME Storage Introduction	
	Issues & Challenges in Teaching Pedagogy	

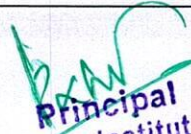| Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2021-2022	Advanced Topics in Geo-Technical & Transportation Engineering Renewable Energy Systems Hands on Training in Modeling Fluid flow Problems Machine Learning for Signal Processing Statistics for Machine Learning & Deep Learning Research Methodology & Publication Ethics	63

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2022-2023	Advanced Technologies in Civil Engineering Research challenges in Electrical Engineering & Solutions with Software Emerging Green Technologies for the Mechanical Engineers Recent Advancements in Communication & Wireless Networks Emerging Research Trends in Computer Science Developing Research Skills	64

2) NON TEACHING

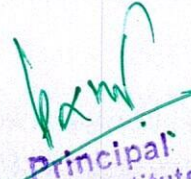| Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2018-2019	Desktop Publishing Hands On Experience Health and Hygiene for One and All	45

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2019-2020	Hardware & Networking Mental Health and Physical well Being	45

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2020-2021	YOGA for Unity and well Being	46

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Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2021-2022	Multimedia tools& Practice	44
	How to stay healthy and say at work place at corona time	

Year	Title of FDP/MPD/ professional development /administrative training programs	No of Faculty Attended
2022-2023	Basic attitudinal skills for team building at work place	45

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