



**BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
GROUP OF INSTITUTIONS-INTEGRATED CAMPUS**

(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

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6.3.3 Annual reports highlighting the programmers 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
- Pedagogy, Accreditation, Research and Entrepreneurship
- Lab Management and Maintenance for Lab Technicians
- Choice Based Credit System, OBE, Curriculum Design
- 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 CSE, ECE, EEE, CIVIL, MECH and Pharmacy. Over the last few years it has been witnessed that faculty development programs have rapidly evolved and have expanded progressively.


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BRIG has conducted the following FDP's :

In 2017-18, 7 FDP's had conducted for 152 teaching faculty and 7 FDP's had conducted for 33 non-teaching faculty members .

In 2018-19, 7 FDP's had conducted for 163 teaching faculty and 6 FDP's had conducted for 32 non-teaching faculty members .

In 2019-20, 7 FDP's had conducted for 138 teaching faculty and 7 FDP's had conducted for 35 non-teaching faculty members .

In 2020-21, 7 FDP's had conducted for 130 teaching faculty and 7 FDP's had conducted for 34 non-teaching faculty members .

In 2021-22, 7 FDP's had conducted for 147 teaching faculty and 7 FDP's had conducted for 35 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.

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6.3.3 Annual Reports Highlishting the Programs Under taken by the Teachers

1. Teaching Staff

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2017-2018	ADVANCED TOPICS IN CIVIL ENGINEERING	152
	POWER ELECTRONICS APPLICATIONS IN SMART GRID AND ELECTRIC VEHICLES	
	FDP ON AUTOCAD	
	BIO-INSPIRED ALGORITHMS FOR INTELLIGENT SIGNAL PROCESSING	
	CLOUD COMPUTING TECHNOLOGIES	
	SMART TECHNOLOGIES FOR DRUG DESIGN, ENERGY AND ENVIRONMENT	
	STRATEGIC APROACHES TO STRENGTHEN INDUSTRIAL &ACADEMIC COLLABORATION	

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2018-2019	BUILDING DRAFTING BY USING AUTO CAD	163
	MODERN POWER SYSTEM OPERATION AND CONTROL	
	FDP ON ANSYS	
	PROGRAMMING ESSENTIALS OF PYTHON	
	BIG DATA COMPUTING	
	INNOVATIVE RESEARCH TECHNIQUES	
	THE KEY ROLE OF PHARMACEUTICAL RESEARCH IN PRESENT GLOBAL SENARIO	


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YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2019-2020	ADVANCED TOPICS IN GEOTECHNICAL & TRANSPORTATION ENGINEERING	138
	INTELLECTUAL PROPERTY RIGHTS (IPR	
	FDP ON 3D PRINTING	
	VLSI CHIP DESIGN HANDS ON USING OPEN SOURCE EDA	
	ETHICAL HACKING AND CYBER SECURITY	
	EFFECTIVE TEACHING LEARNING PARADIGMS THROUGH PEDAGOGICAL INNOVATIONS	
	CHANGING FACE IN DRUG DISCOVERY & TARGETED DRUG DELIVERY	

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2020-2021	ADVANCED APPLICATIONS OF STRUCTURAL CONCRETE IN CIVIL ENGINEERING	130
	FUNDAMENTALS OF HVDC AND FACTS DEVICES	
	FDP ON RESEARCH METHODOLOGY	
	EMBEDDED UVM OPEN SOURCE EMULATION & FUNCTIONAL VERIFICATION	
	INTELLIGENT COMPUTING IN DATA SCIENCE	
	DEVELOPEMENT OF QUALITY IMPROVEMENT PROCESS? OPTIMIZING FACULTY SUCCESS?	
	INTELLECTUAL PROPERTY RIGHTS & PATENT DRAFTING	


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YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2021-2022	ENVIRONMENTAL AND WATER RESOURCE MODELING AND MANAGEMENT	147
	ARTIFICIAL INTELLIGENCE AND ICT APPLICATION TO POWER SYSTEM PROTECTION	
	FDP ON RECENT TRENDS IN MECHANICAL ENGINEERING	
	DIGITAL TOOLS FOR WRITING, AUTHORIZING &REVIEWING MANUSCRIPTS	
	COMPUTER FORENSICS AND CYBER CRIMES	
	RECENT TRENDS AND DEVELOPMENTS IN TEACHING PEDAGOGY	
	THE ROLE OF PHARMACY IN HUMAN WELFARE RECENT TRENDS &FUTURE CHALLENGES	

2. Non Teaching

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2017-2018	MECHANICS OF SOLIDS	33
	MECHANICS OF SOLIDS	
	CONTROL SYSTEMS Lab	
	DIGITAL COMMUNICATION LAB	
	PYTHON PROGRAMMING	
	ENGLISH LANGUAGE AND COMMUNICATION SKILLS	
	MICROSCOPIC STUDY OF TISSUES	


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YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2018-2019	AUTOCAD LAB	32
	MICRO PROCESSOR AND MICRO CONTROLLER LAB	
	PRIVACY AND SECURITY IN ONLINE SOCIAL MEDIA	
	ENGINEERING CHEMISTRY	
	PREPARATION & EVALUATION OF SUSTAINED RELEASE TABLETS	
	AUTOCAD LAB	

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2019-2020	FLUID MECHANICS	35
	FLUID MECHANICS	
	ELECTRICAL MEASUREMENTS LAB	
	E-CAD/VLSI LAB	
	FOUNDATION OF DATA SCIENCE AND ITS APPLICATIONS	
	ADVANCED COMMUNICATION SKILLS	
	UVSPECTROSCOPY	


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YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2020-2021	FDP ON HYDRAULICS	34
	FDP ON HYDRAULICS	
	ELECTRICAL MACHINES Lab	
	DIGITAL SIGNAL PROCESSING LAB	
	INTRODUCTION TO INTERNET OF THINGS	
	ENGINEERING PHYSICS	
	EXTRACION &PURIFICATION OF CRUDE DRUGS	

YEAR	Title of the FDP /MDP/ professional development / administrative training program	No of Faculty Attended
2021-2022	FDP ON FABRICATION AND MATERIALS	35
	FDP ON FABRICATION AND MATERIALS	
	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LAB	
	MICRO WAVE AND OPTICAL FIBER COMMUNICATION LAB	
	DEEP LEARNING AND IT'S APPLICATIONS	
	APPLIED PHYSICS	
	ISOLATION AND STAINING TECHNIQUES	


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