



KSHATRIYA COLLEGE OF ENGINEERING

(Affiliated to JNTU Hyderabad & Approved by AICTE)

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.

FOP 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. Over the last few years it has been witnessed that faculty development programs have rapidly evolved and have expanded progressively.


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KCEA has conducted the following FDP's:

- In 2018-19, 14 FDP's had conducted for 105 teaching faculty Members.
- In 2019-20, 14 FDP's had conducted for 106 teaching faculty Members.
- In 2020-21, 13 FDP's had conducted for 106 teaching faculty Members. 1FDP Conducted for Non-Teaching Faculty Members.
- In 2021-22, 13 FDP's had conducted for 112 teaching faculty Members and 1FDP Conducted for Non-Teaching Faculty Members.
- In 2022-23, 13 FDP's had conducted for 100 teaching faculty Members and 1 FDP Conducted for 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 Highlighting the Programs Under taken by the Teachers

1. Teaching Staff

YEAR	Title	No of Faculty
2018-19	REHABILITATION AND RETRO FITTING OF BUILDING AND STRUCTURE	05
	ADVANCED COMPUTING APPLICATIONS IN CIVIL ENGINEERING	
	PROGRAM ON INTEGRATION OF DISTRIBUTED GENERATION SYSTEM	
	ADVANCED TECHNIQUES IN MODELING AND ANALYSIS FOR MATERIALS AND MANUFACTURING PROCESS	
	RECENTS TRENDS IN MECHATRONICS AND AUTOMATION	
	RECENT TRENDS IN VLSI CHIP CIRCUITS FOR SENSOR APPLICATIONS	
	ARTIFICIAL INTELLIGENCE & ROBOTIC PROCESS AUTOMATION	
	CLOUD COMPUTING	
	ANDROID APPLICATION DEVELOPMENT	
	GLOBAL ENGLISH AND PROFESSIONAL DEVELOPMENT	
THERMODYNAMICS IN CHEMISTRY		
INNOVATION IN TEACHING PEDAGOGY		
HIGH IMPACT TEACHER FOR TODAY AND TOMORROW		

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YEAR	Title	No. of faculty
2019-20	ENVIRONMENTAL AND WATER RESOURCE MODELING	106
	RECENT INNOVATIONS IN STRUCTURAL ENGINEERING	
	FAULT ANALYSIS IN ELECTRICAL APPLIANCES	
	FOUNDATION COURSE ON ELECTRONICS	
	RECENT TRENDS IN INDUSTRIAL TRIBOLOGY	
	ROLE OF TEACHER: TO BOOST MORAL VALUES, ETHICS IN ENGINEERING EDUCATION SYSTEM	
	ARTIFICIAL INTELLIGENCE IN VLSI CHIP DESIGN	
	KEY-EMBEDDED DEVELOPMENT TOOLS FOR ARM	
	CYBER SECURITY	
	CRYPTOGRAPHY AND NETWORK SECURITY	
	ENGLISH LEARNING AND TEACHING	
	ENGINEERING PHYSICS AND MATERIALS	
EMERGING TRENDS IN DIGITAL ANALYTICS.		
RESEARCH METHODOLOGY STATISTICAL APPLICATIONS		

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YEAR	TITLE	NO OF FACULTY
2020-21	EFFECTIVE ONLINE TEACHING METHODS	106
	EMERGING TRENDS IN INFRASTRUCTURAL ENGINEERING	
	PCB DESIGN & MANUFACTURING	
	DESIGN OF SOLAR SYSTEM FOR HOMES (I-II)	
	DESIGNING FOR EXPERIENCE: APPLYING DESIGN THINKING TO LEARNING ORGANIZATION	
	MODERN EDUCATIONAL TOOLS AND PEDAGOGICAL PRACTICES FOR ONLINE TEACHING"	
	RECENT TRENDS IN VLSI AND MEMS FOR IOT APPLICATIONS	
	RECENT ADVANCES ON WIRELESS SYSTEM AND EMERGING TECHNOLOGIES -RAWEST	
	BLOCK CHAIN TECHNOLOGIES	
	ARTIFICIAL INTELLIGENCE	
	QUANTUM CHEMISTRY	
	INDUSTRY INSTITUTE INTERACTION - A HOLISTIC APPROACH INSIGHT OUT	
	ADVANCED FINANCIAL STATEMENT ANALYSIS (AICTE'S SPONSORED SHORT TERM TRAINING PROGRAM (STD): QUALITY	

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YEAR	Title	No of faculty
2021-22	EFFECTIVE ONLINE TEACHING METHODS	112
	EMERGING TRENDS IN INFRASTRUCTURAL ENGINEERING	
	PCB DESIGN & MANUFACTURING	
	DESIGN OF SOLAR SYSTEM FOR HOMES (I-II)	
	DESIGNING FOR EXPERIENCE: APPLYING DESIGN THINKING TO LEARNING ORGANIZATION	
	MODERN EDUCATIONAL TOOLS AND PEDAGOGICAL PRACTICES FOR ONLINE TEACHING	
	RECENT TRENDS IN VLSI AND MEAS FOR IOT APPLICATIONS	
	RECENT ADVANCES ON WIRELESS SYSTEM AND EMERGING TECHNOLOGIES -RAWEST	
	ELOCK CHAIN TECHNOLOGIES	
	ARTIFICIAL INTELLIGENCE	
	QUANTUM CHEMISTRY	
CHARACTERISTICS OF NANO MATERIALS		
INDUSTRY INSTITUTE INTERACTION - A HOLISTIC APPROACH INSIGHT OUT		
ADVANCED FINANCIAL STATEMENT ANALYSIS (AICTE'S SPONSORED SHORT TERM TRAINING PROGRAM (STTP): QUALITY		

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YEAR	TITLE	No of faculty
2022-23	RECENT TECHNOLOGIES FOR WATER AND WASTE WATER MANAGEMENT	100
	HYDRAULICS AND WATER RESOURCE ENGINEERING	
	MAKING & MAINTENANCE OF ELECTRICAL APPLIANCES	
	ASSEMBLING AND TESTING OF ELECTRICAL	
	3D PRINTING & DESIGN	
	CHALLENGES AND OPPORTUNITIES IN VLSI FOR ICT APPLICATIONS	
	EMBEDDED SYSTEMS, SMART SENSORS FOR IOT APPLICATIONS	
	SOFTWARE REQUIREMENTS SPECIFICATIONS	
	BIG DATA WITH HADOOP	
	MATHEMATICS FOR MACHINE LEARNING	
MATHEMATICS FOR ENGINEERING RESEARCH I		
ENHANCING COMMUNICATION SKILLS THROUGH MOVIES		
INVESTING IN CAPITAL MARKET		

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2. Non-Teaching Staff

YEAR	Title	No of faculty
2022-23	Geo-Technical and Structural Engineering Lab	4
2021-22	Composites : Fracture Toughness, NDE and Failure Analysis	4
2020-21	CHARACTERISTICS OF NANO MATERIALS	5

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