


FACULTY PROFILE

Name of the Faculty:		Dr. B. IFTEKHAR HUSSAIN		
Designation:		ASSOCIATE PROFESSOR		
Department:		MECHANICAL ENGINEERING		
Date of Birth:		23rd June 1980		
AICTE – ID:	1-426937737			
Education	<ul style="list-style-type: none"> • B.E in Industrial Engineering & Management with First Class-Distinction from Bangalore University, Bengaluru in 2001. • M.Tech in CAD/CAM with First Class from Sri Krishnadevaraya University, Anantapur in 2006. • DIM, PGDIM, PGDMM, and MBA in Management from IGNOU, New Delhi in 2007. • PhD in Mechanical Engineering from Jawaharlal Nehru Technological University, Hyderabad awarded in 2018 			
Experience	Teaching: 17 Years	Industry: 1 Years	Total: 17 Years	
	Research: --	Others: --		
Research Specialization		Additive Manufacturing, Mould Cooling		
Courses taught	<ol style="list-style-type: none"> 1. Operations Research (for B.Tech students-13 times) 2. Operations Management (for B.Tech students-12 times) 3. Industrial Management (for B.Tech students-5 times) 4. Industrial Management and Entrepreneurship Development (for B.Tech -6 times) 5. Industrial Engineering and Entrepreneurship Development (for B.Tech -1 time) 6. Industrial Engineering and Management (for B.Tech students- 3 times) 7. Robotics (for B.Tech-7 times and M.Tech(CAD/CAM) students-3 times) 8. Computer Aided Process Planning (for M.Tech students-1 time) 9. Design for Manufacturing (for M.Tech students-1 time) 10. Engineering Graphics (for B.Tech- 12 times) 11. Engineering Economics and Accountancy (for B.Tech-6 times) 12. Engineering Economics and Financial Analysis (for B.Tech students- 3 times) 13. Automobile Engineering (for B.Tech students- 3 times) 			

14. **Industry 4.0** ((for B.Tech-1 time)

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Study on temperature distribution to enhance the mould cooling method used in vacuum forming applications	<i>Key Engineering Materials</i>	2017	740	86-92	SCOPUS
2	Comparative study of cooling systems for vacuum forming tool	Materials Today: Proceedings	2018	5 (2018)	30-36	SCOPUS
3	<i>Study on Mould Expansion in Rapid Tooling</i>	International Journal of Applied Engineering Research	2011	6 (5)	977-986	SCOPUS
4	Application of Rapid Tooling for Vacuum Forming to Reduce Cycle Time	Springer Transactions in Civil and Environmental Engineering	2018	2018	243-251	Google scholar
5	Estimation of Cost for producing an Exhaust Fan through Injection Moulding and Comparison with Rapid Tooling	International Journal of Advancements in Mechanical and Aeronautical Engineering	2014	1 (3)	51-55	Google scholar
6	Computer Aided Design and Development of Tool for Manufacturing an Exhaust Fan	International Journal of Advancements in Mechanical and Aeronautical Engineering	2014	1 (3)	56-59	Google scholar
7	Injection Mould Tool Design of Power Box Side Panel	International Journal of	2014	3 (2)	9695-9701	Google scholar

		Innovative Research in Science, Engineering and Technology				
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Books published

S. No.	Title of the book	Publisher	year
1			

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	Application of Rapid Tooling for Vacuum Forming to Reduce Cycle Time	Advances in Fire and Process Safety	Springer, Singapore	2018

Details of Patents (Filed & Granted)

S. No.	Application number	Title of the patent	Date of filing/publishing	Published/granted
1	2021103853	An IOT based system for monitoring volume of fuel pumped into an automobile	3 July 2021	30 March 2022
2	1187327	A system for inspecting a solar element using laser mechanism	13 August 2021	18 October 2021
3	202241044831 A	Innovation system of flexible production line manufacturing method	5th August 2022	19th August 2022

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	A two-day workshop on Product	Organiser	5-6 February 2017

	Design and Development		
2	A three-day workshop on Non-Destructive Testing and its engineering applications	Coordinator	7-9 July 2023
3	One week workshop on “3D Printing and its applications”	Convener	19-23 Sep 2023

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

Name of the event	Organized by	Dates
International Conference on Mechanical, Manufacturing and Process Plant Engineering (ICMMPE 2016)	Sigma Research Bdn, Malaysia	23–24, November 2016
Advances in the Field of Health, Safety, Fire, Environment, and Allied Sciences (HSFEA 2016)	University of Petroleum and Energy Studies, Dehradun	18-19 November, 2016
International Conference on Processing of Materials, Minerals and Energy: PMME-2016	Pace Inst. Of Tech. & Science, Ongole, A.P	29th & 30th July 2016
National Conference on Design and Manufacturing (NaConDM 2011)	IIITDM, Kancheepuram at Indian Institute of Technology, Madras	27-28 May 2011
International Conference on Total Engineering, Analysis and Manufacturing Technologies (TEAM TECH 2009)	I.I.Sc., Bangalore	19-21 November 2009
National Conference on Rapid Prototyping and Manufacturing (RPM 2009)	R.V College of Engineering, Bangalore	12-13 May 2009
National Conference on Manufacturing Excellence (COMAX 2009)	H.K.B.K College of Engineering, Bangalore	20-21 April 2009
National Conference on Recent Trends in Mechanical Engineering & Sciences (RTIMES 08)	Sri Siddhartha Institute of technology, Tumkur, Karnataka	21-22 February 2008
National Conference on Modern Trends in Mechanical Engineering	G.I.E.T, Gunupur, Odisha	18-19 Feb 2012
National Conference on Advances in Mechanical Engineering (NCAME 2012)	Bapatla Engineering College, Bapatla, A.P	27 Mar 2012
International Conference on Mechanical and Industrial Engineering (ICMIE - 2012)	Inter-science Open Access Journals (IOAJ) held at Bangalore	22 nd July 2012
Intl. Conf. on Advances In Engineering And Technology-ICAET-2014	RIT, Roorkee, India	24-25 May 2014
National Conference on Recent Trends in Mechanical Engineering (NATCON-15)	Ghousia College of Engineering, Ramanagaram, Karnataka.	21st May 2015
National Conference on Recent Trends in Mechanical Engineering” (NATCON-17)	Ghousia College of Engineering, Ramanagaram, Karnataka.	31st May 2017
20th edition of the AMPT conference series (first time in India), International Conference on Advances in Materials and Processing technologies (ICAMPT- 2017)	VIT University –Chennai campus, India.	December 11-14, 2017

International symposium on frontiers of infrastructure finance (ISFIF- 2017)	Indian Institute of Technology (IIT) Kharagpur, India.	December 14-15, 2017
National Conference on “Application of Indian Languages in Robotics”	Commission for Scientific and Technical Terminology, Ministry of HRD, Govt. of India at University of Petroleum & Energy Studies, Dehradun	8th March 2019
2 nd International Doctoral Colloquium	University of Petroleum and Energy Studies, Dehra Dun	24 May 2019
One week faculty development programme on “Laboratory Instruction in Thermal Engineering”	NITTTR, Chennai at Bapatla Engineering College, Bapatla-522102, A.P	22-27 Jul 2019
three day workshop on “ <i>Advances in Computer Simulation of Solidification Process</i> ”	National Institute of Technology, Warangal	18-20 December 2014
one day national workshop on “ <i>Six-Sigma and its applications</i> ”	G.Pulla Reddy Engineering College, Kurnool-518007, A.P.	8 th December 2012
two-day national workshop on “ <i>Material Characterization and Failure Analysis</i> ”	Indian Institute of Technology, Madras	March 4-5, 2011
two days national workshop on “ <i>Advanced Medical Applications using MIMICS software</i> ”	National Institute of Technology, Warangal sponsored by M-Tab Engineers Pvt. Ltd., Chennai and Materialise, Belgium.	8-9 October 2010
one week workshop on “ <i>Rapid Prototyping and e-Manufacturing</i> ”	Osmania University, Hyderabad	20-25 February 2009
AICTE sponsored two week staff development training programme on “ <i>Rapid Prototyping and Tooling</i> ”	PES Institute of Technology, Bangalore	21 Jul 2008 to 01 Aug 2008
one week training programme on “ <i>Pro/ENGINEER 4.0</i> ” software	Rolta India Ltd., Hyderabad provided by Parametric Technology Corporation, U.S.A	3-7 Nov 2008
one day workshop on “ <i>Rapid Prototyping Technology for Medical Implants using CT Scan/MRI and Mimics Software</i> ”	National Institute of Technology, Warangal sponsored by M-Tab Engineers Pvt. Ltd., Chennai and Materialise, Belgium.	10 December 2007
a workshop on “ <i>Effective Teaching Methodology</i> ”	V.R.Siddhartha Engineering College, Vijayawada	10-11 December 2006
a personality development programme “ <i>Feel Employable</i> ”	Sri Siddhartha Institute of Technology, Tumkur, Karnataka	21-23 July 2001
a five day faculty development programme on “ <i>Essentials of LATEX</i> ”	Bapatla Engineering College, Bapatla-522102, A.P.	October, 23 rd to 25 th and 30 th to 31 st , 2017
a three day training programme on “ <i>Office</i> ”	Bapatla Engineering	8-10 January 2018

Automation”	College, Bapatla-522102, A.P	
a two day workshop on “Intellectual Property and Innovation Management”	Bapatla Engineering College, Bapatla-522102, A.P	31 st August to 1 st September, 2018
two days national workshop on “Computational Tools for Research in Engineering and Sciences”	Bapatla Engineering College, Bapatla-522102, A.P	30 th Nov 2018 to 1 st Dec 2018
one day faculty development programme on “Methodologies for generating revenue through research with patents and IPR”	Bapatla Engineering College, Bapatla-522102, A.P	30 th Jan 2019
one day Seminar on “Carbon Based Nanomaterials and their Revolutionized Applications”	Bapatla Engineering College, Bapatla-522102, A.P	15 Mar 2019
two day faculty development programme on “Linear Regression Analysis”	Bapatla Engineering College, Bapatla-522102, A.P	25 th October, 2019 to 26 th October, 2019
Five Day Online Faculty Development Programme titled “Research Methodologies in Mechanical Engineering (A Refresher Approach)”	Narsimha Reddy Engineering College, Hyderabad	30-07-2020 to 04-08-2020
One Week Short term training programme on "Learning Management System: MOODLE"	NIT Warangal, Warangal-506004, Telangana	10-08-2020 to 14-08-2020
One Week Online Faculty Development Programme on Advanced Research Traits on Materials & Design of Mechanical Systems	V F S T R University, Vadlamudi, Guntur Andhra Pradesh - 522 213	22-07-2020 to 27-07-2020
A SIX Day Faculty Development Programme on "RECENT TRENDS IN FUELS AND MANUFACTURING PROCESS"	SRI VENKATESWARA INSTITUTE OF SCIENCE & TECHNOLOGY, KADAPA	10-08-2020 to 16-08-2020
AICTE sponsored One Week Online Short Term Training Program on “Recent Advances in Materials and Manufacturing: Part II”	Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam	07-09-2020 to 12-09-2020
TEQIP-III Sponsored one-week online Faculty Development Programme (FDP) on “Recent Advancement of Materials and it’s Application (RAMA-2020)	Veer Surendra Sai University of Technology (VSSUT), Burla, Odisha.	15-09-2020 to 19-09-2020
AICTE AQIS Sponsored Short Term Training Program on “Advances in Additive Manufacturing"	Yeshwantrao Chavan College of Engineering, Nagpur	21-09-2020 to 21-09-2020
One week Faculty Development Programme on “3D Printing- Future of Manufacturing”	VNR Vignana Jyothi Institute of Engineering and technology, Hyderabad	05-10-2020 to 09-10-2020
AICTE Sponsored Short Term Training Programme on “3D Printing merges with Nanomaterials in Medical Applications”	Guru Nanak Institute of Technology, Hyderabad.	05-10-2020 to 10-10-2020
TEQIP-III sponsored one week faculty development program on “RECENT ADVANCEMENT IN MECHANICAL ENGINEERING” (RAME-2020)	GOVERNMENT COLLEGE OF ENGINEERING, KEONJHAR, ODISHA in coordination with ICT Mumbai.	12-10-2020 to 16-10-2020

AICTE, New Delhi under AQIS sponsored Six Days Online Short Term Training Programme on "Intellectual Property for Engineers & Scientists"	CMR Institute of Technology, Bengaluru, Karnataka 560037.	09-11-2020 to 14-11-2020
One Week AICTE sponsored Short Term Training Program on "Design of Experiments in Engineering"	B V Raju Institute of Technology, Narsapur, Medak dist., Telangana	16-11-2020 to 21-11-2020
AICTE, New Delhi under AQIS sponsored Six Days Online Short Term Training Programme on "Intellectual Property for Engineers & Scientists" - Phase 2	CMR Institute of Technology, Bengaluru, Karnataka 560037.	23-11-2020 to 28-11-2020
Five Day Webinar Series on "Innovations in Mechanical Engineering and Science"	Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, India	24-11-2020 to 30-11-2020
National Seminar on "RESEARCH SCOPES IN COEVAL STREAMS OF MECHANICAL ENGINEERING"	St. Peter's Institute of Higher Education and Research, (Deemed to be University) Chennai-54, Tamil Nadu, India.	23-11-2020 to 29-11-2020
AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design"	All India Council for Technical Education, New Delhi and National Institute of Technology, Patna.	07-12-2020 to 11-12-2020
AICTE, New Delhi under AQIS sponsored Six Days Online Short Term Training Programme on "Intellectual Property for Engineers & Scientists" - Phase 3	CMR Institute of Technology Bangalore, Karnataka	14-12-2020 to 19-12-2020
AICTE SPONSORED 2-WEEK ONLINE FACULTY DEVELOPMENT PROGRAM ON RESEARCH METHODOLOGY, DESIGN OF EXPERIMENTS FOR ENGINEERS AND RESEARCHERS	R.V.R & J.C College of Engineering, Guntur, Andhra Pradesh	07-12-2020 to 19-12-2020
One Week AICTE sponsored Short Term Training Program on "Design of Experiments in Engineering"	Mechanical Engineering, B. V. RAJU INSTITUTE OF TECHNOLOGY, Hyderabad, Telangana.	04-01-2021 to 09-01-2021
5 days faculty development programme on "The Scope of Additive Manufacturing in Digital Manufacturing"	IILM College of Engineering & Technology, Greater Noida.	18-01-2021 to 22-01-2021
AICTE sponsored one Week Short Term Training Program on "Design of Experiments in Engineering"	B.V. Raju Institute of Technology, Narsapur, Medak Dist., Telangana.	08-02-2021 to 13-02-2021
Two Week AICTE sponsored Online FDP on "Frontier of 3D Printing Technology and Its Industrial Applications (Phase-II)"	Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India	25-01-2021 to 06-02-2021
AICTE Sponsored Two-week FDP on "Artificial Intelligence for Industry 4.0"	CMR Institute of Technology, Hyderabad	22-02-2021 to 09-03-2021
AICTE-ISTE Sponsored 6 Days Online Induction Program on "Rapid Prototyping and Artificial Intelligence for Industrial Application"	St. Martin's Engineering College, Secunderabad	25-03-2021 to 31-03-2021

One week Faculty Development Programme on “Open-Source Software used in Drafting Modelling & Analysis”	N B Navale Sinhgad College of Engineering, Solapur, Maharashtra.	28-06-2021 to 2021	02-07-
Faculty Development Program on “Design of Experiments”	Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India in association with AERONAUTICAL SOCIETY OF INDIA (AeSI)- CHENNAI Branch	28-06-2021 to 2021	02-07-
One Week Faculty Development Programme on “Recent Trends in the Industrial Engineering and Management (RTIEM-2021)”	GMR Institute of Technology, Rajam, A.P	26-07-2021 to 2021	30-07-
AICTE Sponsored one week online Short-Term Training Program (STTP - Phase-III) on “Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing”	Kallam Haranadhareddy Institute of Technology, Guntur, Andhra Pradesh, India.	26-07-2021 to 2021	31-07-
AICTE-ISTE approved Orientation/Refresher Program on CAD Modelling & MAT Lab Programming	Narsimha Reddy Engineering College, Secunderabad, Telangana-500100.	23-02-2021 to 2021	01-03-
AICTE Sponsored Two-week FDP on “Artificial Intelligence for Industry 4.0”	CMR Institute of Technology, Hyderabad	19-04-2021 to 2021	30-04-
Five Day Online Faculty Development Program (FDP) on Recent Trends in Mechanical Engineering	IcfaiTech, The ICFAI University, Jaipur	20-07-2021 to 2021	24-07-
Two weeks Faculty Development Programme on Novel Prospective of Smart Materials, Hybrid Machining, and Additive Manufacturing (NPSHAM-2021)	Inderprastha Engineering College, Ghaziabad	26-07-2021 to 2021	10-08-
Virtual National Level Faculty Development Program on “NBA Accreditation Process”	K. D. K. College of Engineering, Nagpur, Maharashtra.	23-08-2021 to 2021	28-08-
One week Faculty Development Programme on “FINITE ELEMENT ANALYSIS – RESEARCH PERSPECTIVE”	CVR COLLEGE OF ENGINEERING, Hyderabad	23-08-2021 to 2021	27-08-
Two-week Faculty Development Programme on “FDP on Electric Vehicles: Opportunities and Challenges”	Sharda University, Greater Noida, U.P.	16-08-2021 to 2021	27-08-
Online Faculty Development Program on “a2z of NBA Accreditation Process”	Inderprastha Engineering College, Ghaziabad	24-08-2021 to 2021	09-09-
Five-day Faculty Development Programme on “Recent Trends in Thermal Engineering”	GUDLAVALLERU ENGINEERING COLLEGE, Gudlavalleru-521356, Krishna Dt . Andhra Pradesh.	06-09-2021 to 2021	10-09-
One Week Online FDP on "Learning through Virtual Labs for Technical Institution"	Lendi Institute of Engineering & Technology, Vizianagaram, A.P in association with National Institute of Technology Karnataka, Sutathkal.	18-10-2021 to 2021	22-10-

AICTE-ISTE Sponsored Online Orientation/Refresher Programme on "Pedagogical Techniques and Tools for Technical Education in the New Normal"	Murugappa Polytechnic College, Chennai, Tamilnadu.	30-12-2021 to 2022	05-01-2022
One week's online Faculty Development Programme on "Challenges & Opportunities in Electric Vehicle" (COEV-2022)	Inderprastha Engineering College, Ghaziabad, U.P.	17-01-2022 to 2022	21-01-2022
AICTE-ISTE approved One-Week Orientation/Refresher Programme on "Technical Trends and Recent Advances in Industrial Robotics & Applications"	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, A.P.	24-01-2022 to 2022	30-01-2022
One week's online Faculty Development Programme on "POST COVID GREEN AND SUSTAINABLE DEVELOPMENT PRACTICES IN MANUFACTURING INDUSTRIES"	CVR COLLEGE OF ENGINEERING, Hyderabad.	17-01-2022 to 2022	21-01-2022
AICTE-ISTE approved One-Week Orientation/Refresher Programme on "Emerging trends in Industry 4.0"	CIT Sandwich Polytechnic College, Coimbatore, Tamilnadu.	06-01-2022 to 2022	11-01-2022
National online short term training programme on "Entrepreneurship Skill Development (a journey to be a successful entrepreneur)	Department of Mechanical Engineering, Hindusthan College of Engineering Technology, Coimbatore, Tamilnadu.	21-02-2022 to 2022	25-02-2022
Online Faculty Development Program on "RECENT TRENDS IN ADDITIVE MANUFACTURING PROCESS AND IT'S APPLICATIONS"	Department of Mechanical Engineering, Karpagam College of Engineering, Othakkal Mandapam, Tamil Nadu 641032, India.	01-08-2022 to 2022	05-08-2022
One Week Faculty Development Program' on "Advanced Technologies for Emerging Research in Mechanical Engineering"	Annamacharya Institute Technology & Sciences, Rajampet-516126, A.P.	05-12-2022 to 2022	09-12-2022
Six day Faculty Development Program on Emerging Automotive Technologies	School of Automotive and Mechanical Engineering, Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, Tamilnadu.	25-06-2020 to 2020	30-06-2020
Five day Faculty Development Program on Drone View of Hotspots in Mechanical Engineering	Department of Mechanical Engineering, St. Peter's Institute of Higher Education and Research (Deemed to be University), Chennai-54	25-05-2020 to 2020	29-05-2020
Online one week Faculty Development Program on Online Learning and Assessment System	Institution of Engineers (India), Kalaburagi Local Centre, Kalaburagi, Karnataka.	18-06-2020 to 2020	22-06-2020
Faculty development program on Advanced Materials and Additive Manufacturing	Department of Mechanical Engineering, Nalla Malla Reddy Engineering College, Hyderabad	12-06-2020 to 2020	16-06-2020
One week Faculty Development Program on	Department of Mechanical	22-06-2020 to	26-06-

Recent Trends in Mechanical Engineering	Engineering, Narsimha Reddy Engineering College, Hyderabad.	2020
AICTE Recognized Faculty Development Programme on “Outcome Based Curriculum Design”	National Institute of Technical Teachers Training & Research, Chandigarh (Ministry of Education, Government of India)	05-09-2022 to 09-09-2022

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1			

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed: 18	Ongoing: 1
2	PG	Completed: 8	Ongoing:--
3	PhD	Completed: -	Ongoing: -

Administrative experience

S.No.	Role	Duration (From – to)
1		

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=q1f&user=q1fIE

	qsAAAAJ
SCOPUS	57195312739
Web of Science	HHS-9890-2022
Vidwan ID	175349
Any other relevant information	
Dr. B. IFTEKHAR HUSSAIN 18-09-2023	

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