

Mohammad Yunus Sheikh

Work Experience: (18 Years)

- Working as an Assistant Professor in Govt. Engg. College Bikaner from 08/08/06 to till date.
- Worked as an Assistant Professor in School of Mechanical Engineering in Jodhpur Engineering College and Research Centre, Jodhpur(from June 2005 to July 2006)
- Worked as a Visiting Lecturer in Government Engineering College Bikaner from July 2004 to May 2005.
- Worked as an Assistant Professor in Jodhpur Engineering College and Research Centre, Jodhpur from Aug.2002 to June2004

Achievements

- Awarded as a sincere teacher in Engineering College Bikaner in the year 2007
- Worked as an organizing secretary in the short term course held during 22-26 Feb. 2010 in Govt. Engineering College Bikaner

Professional Qualification:

1. M.Tech. from **IIT Delhi** in Thermal Engineering in the year May2012 with **8.4** CGPA.
2. Bachelor of Engineering in Mechanical Engineering from M.B.M. Engineering College, Jodhpur (J.N.V. University, Jodhpur) in 2002 with aggregate 67.03%.
3. Doctorate of Philosophy from Pacific University Udaipur in March 2019.

Academic Qualification:

4. Senior Secondary (XII) from Rajasthan Board of Secondary Education, Ajmer in 1997 with 70.58%.
5. Secondary from Rajasthan Board of Secondary Education, Ajmer in 1995 with 70.62%.
6. Qualified GATE in 2002 With 87.09 percentile.

Publication:

S. No.	Title	Name of Journal	Date
1	Performance study of VCR diesel engine fueled with diesel and low concentration blend of linseed oil biodiesel	IJATAE, Vol. 4, Issue 4	25 April 2014
	Performance Analysis and optimization of Air preheater in Thermal Power Plant	IRJET Vol. 4, Issue 4	17 March 2017
3.	Comparative Study of Transient Conditions for Continuous Operation and Intermittent Operation of EATHE System Operated in Winter Season: A CFD Approach.	(IRJET, Volume 4, Issue 4	07, July 2017
4.	Performance Evaluation And Optimization Of Air Preheater In Thermal Power Plant.	IRJET, Volume 4, Issue 03,	March 2017
5.	Economically Analysis Of Regenerative Air Preheater In Thermal Power Plant. Approach	(IRJET, Volume 4, Issue 07,	July 2017
6.	Impact of Employee Training, Employee Empowerment and Employee Motivation on Organizational Development for Sustained Productivity: A survey of Cement Industries in Rajasthan	(IJETSR, Volume 4, Issue 7,	July 2017
7.	Relationship between HRM Practices, Organizational commitment and Sustained Productivity in Cement	IJETMAS, Vol. 5, Issue 7	July 2017

	Industries in Rajasthan: A Case Study		
8.	Numerical Analysis of a Refrigeration System Using Different Nano Fluids by CFD Simulation.	IJFRCSC J, Vol. 4, Issue 1,	January 2018
9.	A CFD Analysis to Improve the Productivity of Single Slope Solar Still using Condenser and Reflector	IJREAM	March 2019
10.	Effect of Employee commitment on Work Commitment and Organizational Development: A case study with special reference to selected Cement Industries in Rajasthan	JETIR, Volume 6, Issue 6.	June 2019
11.	Numerical investigation of chlorinated polyvinyl chloride pipe earth air tunnel heat exchanger at different pipe diameter	AIP Conference Proceedings	August 2019
12.	Numerical Analysis of Joukowski (T = 12%) Airfoil by k-e Turbulence Model at High Reynolds Number	Springer Nature Switzerland	August 2020

Paper presented:

S. No.	Title	Duration	Place
1	Green Marketing as an effective tool of societal marketing	5-6 Dec. 200	JEC, Kukas
2	Energy Conservation Methods: An Analysis	5-6 Dec. 200	JEC, Kukas
3	Water Management: act today for a better tomorrow	12-13 March 2010	UCE, Kota
4.	Employee Motivation: Most significant key to effective Organization and to improve Employee Performance	21 st Oct. 2016	CET, Bikaner
5.	Numerical Analysis of a Refrigeration system using different nano-fluids by CFD simulation	19-20 January 2018	JEC Kuaks
6.	Analysis of Different type of Supersonic Diffuser profile	15-16 Feb. 2019	EC Bikaner
7.	Effect of Employee Commitment on wrk commitment and organizational development: A case study	15-16 Feb. 2019	EC Bikaner
8.	India's Energy Scenario: Study of past History and Future Perspective	27-28 Feb. 2019	EC Bikaner

Short Term Course/FDP Attended:

S. No.	Title	Duration	Place	Sponsored by
1	Project Planning and Execution	20-24 Nov. 2006	EC Bikaner	NITTTR Chandigarh
2	Trends in Engineering Metrology and Statistical Process Control	11 th to 22 nd Dec. 2006	PEC, Chandigarh	AICTE, New Delhi
3	Mechatronics	7 th to 11 th May 2007	NITTTR Chandigarh	NITTTR Chandigarh
4.	Faculty Development Programme	7 th to 18 th June 2007	EC Bikaner	
5.	Mechatronics	21 st to 25 th Oct. 2007	EC Bikaner	NITTTR Chandigarh
6.	Communication Skill	28 th Jan to 1 st Feb 2008	EC Bikaner	NITTTR Chandigarh
7.	Cad Using Pro Engineering	18 th to 22 nd Aug. 2008	EC Bikaner	
8.	Ethics, Values & Indian Ethos for Management	22 th to 26 th Feb. 2010	EC Bikaner	ISTE, New Delhi
9.	Environment Engineering and Management through ICT	3 rd to 7 th March 2014	EC Bikaner	NITTTR Chandigarh

10.	Renewable Energy Based Technology through ICT	25 th to 29 th Aug. 2014	EC Bikaner	NITTTR Chandigarh
11.	Advanced Manufacturing Method through ICT	16 th to 20 th Feb. 2015	EC Bikaner	NITTTR Chandigarh
12.	Recent Trends in Automobile Engineering Through ICT	16 th to 20 th March	EC Bikaner	NITTTR Chandigarh
13.	Communication Skill Through ICT	20 th to 24 th April 2015	EC Bikaner	NITTTR Chandigarh
14.	Instructional Planning and Delivery through ICT	11 th to 15 th May 2015	EC Bikaner	NITTTR Chandigarh
15.	Alternate Energy Sources and Energy Conservation through ICT	27 th to 31 st July 2015	EC Bikaner	NITTTR Chandigarh
16.	Industrial Automation and Robotics through ICT	24 th to 28 th Aug. 2015	EC Bikaner	NITTTR Chandigarh
17.	Pedagogical Training for Engineering Faculties	28 th Sept. to 3 rd Oct. 2015	EC Bikaner	IE, India
18.	Faculty Development: Planning and Management through ICT	18 th to 22 nd Jan. 2016	EC Bikaner	NITTTR Chandigarh
19.	AutoCad through ICT	22 nd to 26 th Feb. 2016	EC Bikaner	NITTTR Chandigarh
20.	Optimization Using Matlab through ICT	24-28 Oct. 2016	EC Bikaner	NITTTR Chandigarh
21.	Matlab and Labview with its Hardware Interface through ICT	29 th Jan. to 2 nd Feb. 2018	EC Bikaner	NITTTR Chandigarh
22.	STC on “Life Cycle Analysis for Sustainability”	10-14 June 2019	MNIT, Jaipur	TEQIP-III
23.	Internet on Things: Application to Science and technology	9 th to 19 th Oct. 2019	EC Bikaner	TEQIP-III
24.	Solar Photovoltaic Installation	25-29 Nov. 2019	EC Bikaner	TEQIP-III
25.	Online STTP on “Bio Energy: Technologies Transition”	13-17 May 2020	EC Bikaner	TEQIP-III
26.	Online STTP on “ Life Cycle Analysis for Sustainability ”	27-31 May 2020	EC Bikaner	TEQIP-III
27.	Online STTP on “Green Energy Technology for Sustainable Development”	11-20 June 2020	EC Bikaner	TEQIP-III
28.	Online one week STTP on “ Environment crisis and Sustainable Development ”	1-5 July 2020	EC Bikaner	TEQIP-III
29.	9 Day National Level Online FDP on “ Foregrounding the spectrum of character Building in Modern Human Life ”	25 th June -03 rd July 2021	Balaji Institute (Hydrabad)	

Workshop/Seminar Attended:

S. No.	Title	Duration	Place	Sponsored by
1	Workshop on “ Research Methodology and Research Data Analysis through SPSS ”	9 th to 15 th Feb. 2013	EC Bikaner	RTU, Kota
2	Workshop on “ Engineering Mechanics ”	26 th Nov. to 6 th Dec. 2013	EC Bikaner	ISTE, New Delhi
3	Workshop on “ Fluid Mechanics ”	20 th to 30 th May	EC Bikaner	ISTE, New Delhi

		2014		
4.	National Seminar on “ Advanced Material and Processing ”	22-23 April 2016	EC Bikaner	TEQIP-II
5.	Workshop on “ Sustainable Engineering ”	17-18 Sept. 2016	BITS, Pilani	BITS, Pilani
6.	Workshop on “Quality Education through NBA Accreditation as a tool”	15-16 Jan. 2016	EC Bikaner	TEQIP-III
7.	Outcome Based Accreditation	16-17 March 2018	EC Bikaner	TEQIP-III
8.	MATLAB based “ Mathematical Applications in the field of Engineering and Technology ”	9-10 April 2019	EC Bikaner	TEQIP-III
9.	Workshop on “ Patent and Intellectual Property Right ”	19-20 July 2019	EC Bikaner	TEQIP-III
10.	Workshop on “ Digital Pedagogy for Effective Teaching and Learning ”	27-28 Jan. 2020	EC Bikaner	TEQIP-III

Organized Workshop/STC/STTP/Conference :

S. No.	Title	Duration	Place	Sponsored by	Work as
1	STC on “ Sustainable Energy Management ”	23 rd to 27 th Feb. 2015	EC Bikaner	NITTTR Chandigarh	Coordinator
2	STC on “ Innovation in Material, Design and Manufacturing Technology ”	9 th to 14 th March 2015	EC Bikaner	TEQIP-II	Coordinator
3	STC on “ Human Behavior and Personality Development ”	18 th March 2015	EC Bikaner	TEQIP-II	Chief Coordinator
4.	STC on “ Recent Trends in Material, Design and Manufacturing Technology ”	6 th to 11 th April 2015	EC Bikaner	TEQIP-II	Coordinator
5.	National Conference on “ Recent Trends in Engineering and Technology ”	15-16 Feb, 2019	EC Bikaner	TEQIP-III	Session Chair
6.	STC on “ Solar Photovoltaic Installation ”	25-29 Nov. 2019	EC Bikaner	TEQIP-III	Convener
7.	FDP on “ Newer Aspects in Engineering and Technology ”	10-14 Feb. 2020	EC Bikaner	TEQIP-III	Convener

Guided M.Tech (Thermal Engineering) Project:

S.NO.	Title of Thesis	Name of Student	Year (Session)	Co-Guide
1	Performance, Combustion And Emission Characteristics of CI Diesel Engine Using Biodiesels as Jatropha, Thumba And Neem : An Experimental Approach	Manpreet Singh	April 2018 2017-18	
2	Numerical Investigation and Validation of Joukowski airfoil (T=12%), Comparison of its Aerodynamic Performance with NACA Airfoils using Turbulence Model in CFD	Ravi Kumar	May 2018 2017-18	Dr. Dharmendra Singh
3	Modeling and Numerical Investigation of vapour Compression Refrigeration System Using Nano Refrigerants By CFD Approach	Happa Khan	May 2018 2017-18	Dr. Dharmendra Singh
4	Analysis of Different types of Supersonic Profile	Gaurav Sharma	March 2020	

			(2019-20)	
5	Comparative And Optimized Analysis Of Performance, Combustion And Emission Parameters Using Biodiesels As Neem And Castor With 5% Methanol In Ci Diesel Engine: An Experimental Approach	Vikas Yadav	March 2020 (2019-20)	

On the Job Summer Training:

1. **Organization:** Railway Workshop Bikaner
 - a. **Nature of Training:** Foundry shop
 - b. **Significance:** Imparted fundamental Concept of Casting in Foundry shop along with other shop.
 - c. **Tenure:** 45 Days

2. **Organization:** Bharat Heavy Electrical limited, Haridwar
 - a. **Nature of training:** Turbine Block,
 - b. **Significance: Study** of various types of Turbines including various process of manufacturing.
 - c. **Tenure:** 30 Days

3. **Organization:** Railway workshop division(Indira Gandhi Canal Project, Bikaner)
 - a. **Nature of Training:** Implant Training
 - b. **Significance:** Study of different type of channel gate manufacturing process.
 - c. **Tenure:** 45 Days

Project:

1. **Testing and Fabrication of wire drawing machine**

Details: This project is basically related to measurement of force analysis required to drawing the wire by using strain gauges.

Visit:

- Visit of Birla White Cement Plant at Gotan.
- Short Visit of Rajasthan Udhyog and Laxmi Udhyog at Jodhpur.

Career Objective:

1. To do work with best of my efficiency wherever I go and to gain knowledge, innovatively dedicatedly, improve understanding in the field of technical work and contribute to the organization and simultaneously enchasing the opportunity groom my personality.

Guide The Following Project:

1. Fabrication of Multiutility desert cooler

2. Fabrication of bifilar suspension, trifler suspension, springmass system and equivalent spring mass system.

Computer Proficiency:

- Language: FORTRAN, Matlab
- Tools/Package: MS Office, Internet
- Operating System: MS DOS, Windows 98,XP

Extra Co-Curricular Activities:

- Represented faculty chess team in Inter faculty tournament and stood runner up.
- Won a number of prizes in chess tournament at inter college level

Miscellaneous:

- Gave Demonstration on V C R (Variable Compression Ratio) in Open House on Occasion of Golden Jubilee of College in 2001.

Personal detail:

Date of Birth : 21st March 1979
Father's Name : Late Sh. Mohd. Anwar Sheikh
Address : A-2 Sanjay Colony, M. P. Nagar, Bikaner (Raj.)
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(Dr. Mohd. Yunus Sheikh)