

CURRICULAM VITAE



1. Name : Dr. OM PRAKASH JAKHAR
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3. Date of Birth : 15th January 1977
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8. Educational Qualifications :

Examination/ Degree	Board / University	Subject/ Specialization	Year of Passing	Division/ Marks in %
X	Board of Secondary Education Rajasthan Ajmer	All Subjects	1991	1 st , 72.18%
XII	Board of Secondary Education Rajasthan Ajmer	Physics, Chemistry, and Mathematics	1993	1 st , 64.00%
Graduation (BE)	J.N.V. University, Jodhpur	Mechanical Engineering	1998	1 st , 63.17%
PG (ME)	J.N.V. University, Jodhpur	Thermal Engg. (Mech. Engg.)	2001	1 st , 66.38%
Ph.D. (Mechanical Engineering)	M P U A T, Udaipur	Mechanical Engineering	Completed	Awarded on 21-09-2011

9. Experience (a) Teaching:

Name of Employer	Post Held	Experience in Years	Duration From To
Shri. Balaji College of Engg. & Tech., Jaipur.	Lecturer (Mech. Engg.)	3 ¼ Year	05-06-2000 to 08-09-2003
Stani Memorial College of Engg. & Tech., Phagi, Jaipur.	Senior Lecturer (Mech. Engg.)	1 Year	09-09-2003 to 06-08-2004
Ajmer Institute of Technology, Ajmer.	Senior Lecturer (Mech. Engg.)	7 Months	07-08-2004 to 14-03-2005
College of Tech. & Engg. M P U A T, Udaipur.	Assistant Professor	03 Years	15-03-2005 to 26-03-2008
Engineering College, Bikaner	Associate Professor (Mech.)	27-03-2008 to till date	Continue

(b) Administrative Experience:

S.No.	Post	College/Institute	From	To
1.	TEQIP-Coordinator	Govt. Engineering College Bikaner	September 2017 to Till Date	
2.	M.Tech. Coordinator & Ph.D. Research Centre	Govt. Engineering College Bikaner	July 2010 to Till Date	
3.	NCC Officer	Govt. Engineering College Bikaner	28-03-2008 to Till Date	
4.	Vice Principal	Govt. Engineering College Bharatpur	14-04-2008 to 18-05-2008	
5.	Work-Shop Supertindent	Govt. Engineering College Bikaner	06-07-2008 to 30-06-2010	
6.	Head, Central Store	Govt. Engineering College Bikaner	01-04-2008 to 06-08-2011	
7.	Observer	AIEEE, AIPMT, CBSE, Delhi	2002, 2003, 2004	
8.	HOD (Mechanical Engineering Department)	Govt. Engineering College Bikaner	10-06-2010 to 14-10-2011	
9.	Chief Coordinator Administration	ECB, Polytechnic, Bikaner	14-09-2009 to 06-08-2011	
10.	HOD (Mech. Testing Lab)	Ceramic, Electric Research and Development Centre, Bikaner	28-03-2008 to 10-06-2015	
11.	Hostel Warden	SBCET, Jaipur	05-06-2000 to 08-09-2003	
12.	Proctor	SBCET, Jaipur	05-06-2000 to 08-09-2003	
13.	ISTE Students Chapter Adviser	SBCET, Jaipur	05-06-2000 to 08-09-2003	
14.	Hostel Warden	SMCET, Phagi, Jaipur	09-09-2003 to 06-08-2004	
15.	Controller of Exams.	AIT, Ajmer	07-08-2004 to 14-03-2005	
16.	NCC Officer	AIT, Ajmer	07-08-2004 to 14-03-2005	
17.	NCC Officer	CTAE, MPUAT, Udaipur	15-03-2005 to 26-03-2008	

10. PG Experience:

- (i) 03 Years teaching and guiding of ME classes at CTAE, MPUAT, Udaipur.
- (ii) M.Tech.(Thermal Engg.) at Govt. Engineering College, Bikaner From July 2010 to continue

11. STTP/Conferences/Workshops/Symposium etc. Attended:

Enclosed Annexure-I

12. Paper Presented in National & International Conferences/Seminar:

Enclosed Annexure-II

13. Full Papers in Conference Proceedings:

Enclosed Annexure-III

14. Publication in International & National Journals:

Enclosed Annexure-IV

15. Honours and Awards:

- (i) Best Teacher Award of session 2001-02 at SBCET, Jaipur.
- (ii) The Hon'ble Vice - Chancellor of MPUAT, Udaipur has Appreciated for outstanding services, in the university during the year 2007 on occasion of Republic day, 26th January 2008.
- (iii) Facilitation by Rajasthan Youth Club Bikaner for Dedication and honestly outstanding services.

16. Membership:

- (i) LM-3109 of ISTE, New Delhi
- (ii) Alumni Association of M B M Engineering College Jodhpur.
- (iii) LM-794 of Indian Geological Congress(IGC)

17. Organization/Conduction:

S.No.	Course Name	Time Period
1.	STC on Instructional Planning Delivery Through ICT	5th to 9th May 2014
2.	Soft Computing Through ICT	11th to 15th November 2013
3.	Two Days CAD-CAM Workshop	19th to 20th November 2008
4.	One Day Seminar on Industrial Engineering & Management	12th March 2011
5.	National Conference on Engineering Management DST Sponsored MNRE New Delhi	20th to 21st November 2009
6.	Two Week ISTE Workshop on Fluid Mechanics	20 th to 30 th May 2014

18. Project Undertaken:

S.No.	Name of Project	Funding Agency	Amount (in Rs. Lakhs)	Period	Status
1.	Modernization of I.C. Engine Lab	AICTE	12.43	2009-11	Completed
2.	Establishment & Development of CERDC Bikaner	DIC, Govt. of Rajasthan	149.41	2008-12	Completed
3.	IGNP Gate Modernization of Different RD's (Design & Drawing)	IGNP	21.00	2008-11	Completed
4.	Furniture Fabrication in Workshop	MKD Girls School Bikaner	04.00	2009-10	Completed
5.	Mechanical Testing of Materials	Govt. Departments like PWD, PHED etc.	22.00	2008-11	Completed
6.	Aluminum Casting for Ceramic Insulator Design & Fabrication	Ceramic Industries Bikaner	06.00	2008-11	Completed
7.	Design & Establishment of Camel Power Generation Unit	NRCC Bikaner	0.60	2017	Completed

19. Extra Curricular Activities: (a) As student:

- (i) NCC 'B' and 'C' certificates as Under Officer rank.
- (ii) Best conduct Certificate in NIC.
- (iii) Organized the Educational Tour and Blood Donation camp.

(b) As Teacher:

- (i) Commissioned in NCC as Lieutenant and Further Promoted as Capt.
- (ii) Did three months training from NCC OTA , Kampttee

- (iii) Presented two time "Guard of Honour" as Parade Commander to hon'ble Vice President of India and hon'ble Governor of Rajasthan.
 - (iv) Organized three Industrial/Educational Tours.
 - (v) Search & Rescue course of civil defense from NCD, Nagpur.
 - (vi) Organized Blood Donation Camps and Tree plantation programmes
20. Other Academic and Administrative Responsibilities:
- (i) Worked as city coordinator for conducting JET/Pre-PG Examination at Bikaner in 2016 Organized by MPUAT Udaipur.
 - (ii) External examiner and paper setter of RTU Kota, JNVU Jodhpur, MPUAT Udaipur, VIT Jaipur, Central Agriculture University NER, Sikkim.
 - (iii) Member of BOS of Tanta University Sri Ganganagar.
 - (iv) Member Academic Council of Bhagwant University Ajmer.
 - (v) Member of BOS of Bhagwant University Ajmer.
 - (vi) Members Selection Committee Marudhar Engineering College Bikaner.
 - (vii) Members Selection Committee Manda Institute of Technology Bikaner.
 - (viii) Convener of Discipline Committee in Govt. Engineering College Bikaner.
 - (ix) Convener of Anti Ragging Committee in Govt. Engineering College Bikaner.

STTP/Conferences/Workshops/Symposium etc. Attended: ANNEXURE-I

S.No.	Programmed Name	Duration of Course	Organized By
1.	Fluid Mechanics	One Week 11th to 15th March 2014	NITTTR Chandigarh at Govt. Engineering College Bikaner
2.	Renewable Energy Based Technologies Through ICT	One Week 25th to 28th August 2014	NITTTR Chandigarh at Govt. Engineering College Bikaner
3.	Instructional Planning And Delivery	One Week 5th to 9th May 2014	NITTTR Chandigarh at Govt. Engineering College Bikaner
4.	Advanced Manufacturing Methods	One Week 16th to 20th February 2015	NITTTR Chandigarh at Govt. Engineering College Bikaner
5.	Communication Skills	One Week 20th 24th September 2015	NITTTR Chandigarh at Govt. Engineering College Bikaner
6.	Advances in Computational Heat Transfer	One Week 21st to 23rd May 2015	IIT Delhi
7.	Instructional Planning and Delivering	One Week 11th to 15th May 2015	NITTTR Chandigarh at Govt. Engineering College Bikaner
8.	Alternate Energy Sources	One Week 27th to 31st	NITTTR Chandigarh at

	and Energy Conservation	September 2015	Govt. Engineering College Bikaner
9.	Industrial Automation and Robotics	One Week 24th to 28th September 2015	NITTTR Chandigarh at Govt. Engineering College Bikaner
10.	Fluid Mechanics	Two Weeks 20th to 30th May 2014	IIT Kharagpur at GEC Bikaner
11.	Green Techniques for Sustainable Construction	One Week 6th February to 10th February 2017	NITTTR Chandigarh at GEC Bikaner
12.	Recent Advances in Solar Energy Technologies	Two Weeks 23rd December 2002 to 4th January 2003	MBM Engineering College Jodhpur
13.	Use of CNG in I.C. Engines	One Week 30th June 2002 to 5th July 2002	IIT Roorkee
14.	Faculty Development Programme	One Week 10th to 14th July 2004	JECRC Jaipur
15.	Pumps And Cavitation	One Week 19th December to 23rd December 2005	IIT Chennai Mudras
16.	Energy Auditing & Management for Cleaner Production in Agriculture & Agro Based Industries	Three Weeks 20th June to 10th July 2005	College of Technology & Engineering Udaipur
17.	Instrumental Methods of Chemical Analysis	One Week 13th June to 17th June 2012	Government Engineering Bikaner
18.	Renewable Energy Based Technologies	One Week 23-07-2007 to 27-07-2007	NITTTR Chandigarh
19.	Computational Techniques in Engineering	One Week 17th to 22nd December 2012	MNIT Jaipur
20.	Induction Training Programme Through ICT	One Week 14th to 18th May 2013	NITTTR Chandigarh at Govt. Engineering College Bikaner
21.	Solid State Control of Electric Drives Through ICT	One Week 2nd September to 6th September 2013	NITTTR Chandigarh at Govt. Engineering College Bikaner
22.	Soft Computing Through ICT	One Week 11th to 15th November 2013	NITTTR Chandigarh at Govt. Engineering College Bikaner

**Paper Presented in National & International Conferences/Seminar:
ANNEXURE-II**

S.No.	Title of the Paper Presented	Title of the Conference / Seminar	Organized By	Whether International/National Level
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1.	Bio-Mass Energy Needs for Rural Development	International Conference on Techno-Commercial Aspects of Decentralized Approach in Waste of Energy	MREC Jaipur	International
2.	The Heat Source in Cold Liquid in Evaporated	International Conference on Emerging Trends in Engineering and Applied Sciences 2013	RCEW, Jaipur	International
3.	Solar Energy:- A Key of National Development in India	National Seminar on Recent Innovation in the Power Generation trends to meet global Energy Demand 2012	Shrinathji Institute of Technology & Engineering Rajasmand	National
4.	Energy Conservation Analysis i Buildings by Simulation Techniques	22nd Indian Engineering Congress on Globalization: Engineering & Technological Challenges 2007	The Institution of Engineers (India) Udaipur	National
5.	An Introduction to Scuderi Split Cycle Engine	National Conference on Renewable Energy Resources	Bhagwant University Ajmer	National
6.	ICT for Sustainable Development for Rural Areas: Challenges Ahead	All India Seminar on ICT for Rural Development Access & Application (ICTRD-2009)	The Institution of Engineers (India) Udaipur	National
7.	An Experimental Study of Camel Powered Electricity Generation Unit	2nd Internation Conference on Condensed Matter & Applied Physics (ICC-2017)	GEC, Bikaner	International

8.	Experimental Temperature Analysis of Simple & Hybrid Earth Air Tunnel Heat Exchanger in Series Connection at Bikaner Rajasthan India	2nd International Conference on Condensed Matter & Applied Physics (ICC-2017)	GEC, Bikaner	International
9.	Energy Simulation in Building	All India Seminar on Intelligent Building An Interdisciplinary Approach	The Institution of Engineers (India) Jaipur	National
10.	Energy Conservation in Building by Passive Approach: An Overview	All India Seminar on Intelligent Building An Interdisciplinary Approach	The Institution of Engineers (India) Jaipur	National
11.	Conservation of Energy in Buildings through Proper Management	National Conference on Energy Management (NCEM-2009)	GEC Bikaner	National
12.	Cavitation & Performance Evaluation of Well's Pump- Case Study of MPUAT, Campus Udaipur	National Conference on Energy Management (NCEM-2009)	GEC Bikaner	National
13.	A Study of Ceramic Material Coating in Internal Combustion Engine	International Conference on Ceramics	GEC Bikaner	International
14.	Present Engineering Scenario in Rajasthan	National Seminar on Autonomy in Education	MIT Bikaner	National

15.	An Introduction to Micro-Channel in Recent Technology	International Conference on Advance Trends in Engineering & Technology 2013	Arya College of Engineering & IT (OLD Campus) Jaipur	International
16.	Temperature Distribution on Ceramic Coated Diesel Engine Piston with ANSYS	National Conference on Advances Mechanical Engineering 2014	GITM, Guugaon	National
17.	A Review of EATHE Techniques in Buildings:- Design Concepts	NCEEE 2014	MIT, Bikaner	National
18.	Human Comfort through Proper Ventilation in Building	National Conference on Technological Innovation for Suitable Development 2009	GEC, Bikaner	National
19.	Economic Analysis of Bio-Mass Energy in Context of Developing Country Like India	International Conference on Techno-Commercial Aspects of Decentralized Approach in Waste of Energy	MREC Jaipur	International
20.	To Develop Simple Heat Release Model for a Direct Injection Dual Fuel Engines	National Seminar on Current Application of Computers in Design Engineering	MBM Engineering College Jodhpur	National
21.	Conservation of Energy in Buildings	National Conference on Energy Management (NCEM-2009)	GEC Bikaner	National

22.	Technical Education in Rajasthan	National Seminar on Vision for Balanced Growth in Technical Education in the Present Decade	ISTE Rajasthan Hariyana Section	National
23.	A Review Paper on Geo-Thermal Heat Exchanger	ICATET-2018	Electrical Engineering Department Arya College of Engineering & I.T. Old Campus	International
24.	Utilization of Draught Animal Power & Its Future Scopes: A Review	NCITST-2018	MIT Bikaner	National
25.	Effect of Various Non-Edible Bio-Diesel Blends with Diesel on Performance and Emission of Compression Ignition Diesel Engine: A Review	NCITST-2018	MIT Bikaner	National

Full Papers in Conference Proceedings: ANNEXURE-III

S.No.	Title with Page No.	Details of Conference Publication	ISSN-ISBN No.	No. of Co-Authors	Main Author Yes/No
1.	Present Scenario of Renewable Energy Based Technologies in India PP: 514-519	NaCORE-2009 Vyas Institute of Engineering & Technology Jodhpur	10: 0230-32809-1 13:978-0230-32809-9	2	Yes
2.	Energy Management in Building Services for Sustainable Development PP: 37-41	All India Seminar on Green Buildings The Institution of Engineers (India) Kota Local Centre 18-19 April 2009		2	Yes
3.	Passive Cooling Approach in Building at Rajasthan PP: 248-253	National Conference on Energy & Nano Technology: Strategy for Future JEC Kukas Jaipur		1	Yes

		14th-15th February 2009			
4.	Mini/Micro Hydel Project- Operation and Maintenance Difficulties and Their Remedies with Reference to Rajasthan India PP: 61-64	National Seminar on Recent Trends in Civil Engineering Jodhpur 22nd- 23rd February 2002 Department of Civil Engineering M.B.M. Engineering College Jodhpur		2	No
5.	Energy Scenario and Future Prospects of Small Hydro PP: 89-92	National Seminar on Recent Trends in Civil Engineering Jodhpur 22nd- 23rd February 2002 Department of Civil Engineering M.B.M. Engineering College Jodhpur		2	Yes
6.	Human Comfort Through Proper Ventilation in Building PP: 232-238	NCTISD-2009 Engineering College Bikaner 29 August 2009	81-88858-74-X	1	Yes
7.	An Introduction to Micro Channel in the Recent Technology PP: 466-477	ICATET-2013 Department of Electrical Engineering Arya College of Engineering & I.T. (OLD Campus) 19th- 20th December 2013	978-81-925882- 5-4	1	Yes
8.	Solar Passive Cooling/Heating of Buildings in Bikaner Rajasthan India	1st International Conference on Development of Renewable Energy Technology Organized by United International University Bangladesh Dhaka 2009 (IEEE Publisher)	978-1-4244- 6012-0	1	Yes
9.	Energy Conservation Analysis in	22nd Indian Engineering Conference The		1	Yes