

1. Name: **Dr. Ali Hasan**
2. Designation: **Professor**
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6. Field(s) of Specialization: **Machine Design**

7. **Employment Profile**

Job Title	Employer	From	To
Professor	Jamia Millia Islamia ,New Delhi,	13-09-2021	Contd
Associate Professor	Jamia Millia Islamia ,New Delhi,	13-09-2018	12-09-2021
Assistant Professor	Jamia Millia Islamia ,New Delhi,	13-9-2006	12-09-2018
Lecturer	Inderprastha Engg. College, Ghaziabad	22-7-2004	13-9-2006 [F/N]
Lecturer	R.K.G. Institute of Technology Ghaziabad	16.08.2000	21.07.2004
Lecturer	Al-Falah School of Engineering & Technology, Faridabad	05.03.1997	15.07.2000

8. **Academic Qualifications (From Highest Degree to High School):**

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Jamia Millia Islamia, Delhi	2006	-	Machine Design
M.Tech.	Allahabad University	1997	I	Production Engg.
B.Tech. (AMIE)	IE(I) Calcutta	1994	I	Mechanical Engg.
Intermediate	U.P.Board Allahabad	1980	I	Science
High School	U.P.Board Allahabad	1978	I	Science

9. **Academic/Administrative Responsibilities within the University**

Position	Faculty/Department/Centre/Institution	From	To
Warden of Boys Hostel	Pink Boys Hostel	2008	2011
Attendance Incharge	Mechanical Engineering Department	2008	contd
Engg.Mechanics Lab Incharge	Mechanical Engineering Department	2008	contd
Asstt.Suptd in B.Tech. Entrance Test/Admission	Faculty of Engineering & Technology	2008	2019

10. Details of Academic Work

- (i) Curriculum Development:
- (a) Kinematics of Machines
 - (b) Machine Dynamics
 - (c) Advanced Mechanisms Design
- (ii) Courses taught at Postgraduate and Undergraduate levels:
- (a) Theory of machines (UG)
 - (b) Engineering Mechanics (UG)
 - (c) Strength of Material (UG)
 - (d) Manufacturing Science (UG)
 - (e) Advanced Mechanisms Design (PG)
 - (f) Advanced Machine Design (PG)
- (iii) Projects guided at Postgraduate level =10
- (iv) Other contribution(s): Engineering Mechanics Laboratory Development Work

11. Number of Ph.Ds Guided

SN	Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
1	Ashok Kumar Dargar	Some studies on Isomorphism and Inversions of compound kinematic chains.	Co-Supervisor	12-12-2013
2	Syed Shane Haider Rizvi	To develop new methods to detect isomorphism and distinct mechanisms in kinematic chains.	Supervisor	07-04-2017
3	Jiyaul Mustapha	Some studies on modeling of Epicyclic gear trains.	Supervisor	10-02-2022

12. Orientation course/Refresher Courses/Research Methodology/ Workshops/ Syllabus Up-gradation Workshop/ Teaching-Learning-Evaluation, Technology Programmes/ Faculty Development Programme or completed one MOOCs course.

S. No.	Programme	Duration With Date	Organized By
1	Swayam Arpit (Annual Refresher Programme In Teaching) Online Course For Career Advancement Scheme (CAS) Promotion-Engineering Mechanics	One Week (40hours) On 30-06-2019	NITTTR Kolkata
2	Faculty Development Program on 'Advances On Thermo-Fluids and Turbo machines'	Five Day, June 6-10,2020	Satyug Darshan Institute Of Engineering & Technology, Faridabad
3	International Online Faculty Development Programme On 'Recent Advances In Computer Science And Allied Domains'	One Week, June 8-12,2020	Sharda University, Noida
4	Passed NPTEL Online Certification Course 'Manufacturing Process	12 Weeka Jan-April,2020	NPTEL- Swayam Platform

	Technology I & II'		
5	Faculty Development Program on 'Cyber Security'	One Week, June 19-24,2020	Sreyas Institute Of Engineering & Technology, Hyderabad
6	International Online Faculty Development Programme on 'Importance of Mathematics in Science And Technology'	One Week, June 25-29,2020	GMR Institute Of Technology,Kakinada
7	Online Faculty Development Program On 'Mentoring Pedagogy and Teaching For Higher Education'	8days, 29june-6july,2020	Electronic & ICT Academy, IIT Guwahati
8	Online Faculty Development Program On 'E-Learning Platform'	8days, July 6-13,2020	Electronic & ICT Academy, IIT Guwahati
9	Passed NPTEL Online Certification Course 'Basic Electronics'	8 Weeks 24-9-2018	Electronic & ICT Academy, IIT Kanpur
10	On Line FDP On Advanced Materials (Fabrication, Characterization and Applications)	One Week, July 20-25, 2020	Kalinga Institute Of Industrial Technology, Bhubaneswar
11	One Week On Line Faculty Development Programme On E-Content Development	One Week , July 27-31, 2020	Sanatan Dharma College Ambala Cantt (Haryana)
12	On Line FDP On Python Programming Language.	One Week 31 Aug-04 Sept, 2020	Jamia Millia Islamia New Delhi
13	AICTE-ATAL Sponsored FDP On Robotics System Design: Fundamentals, Challenges And Applications.	One Week, Nov 2-6, 2020	IIT Ropar -Punjab
14	AICTE-ATAL On Line FDP On Design Thinking	One Week, Nov 8-11, 2020	AICTE Training And Learning Academy, Delhi
15	AICTE Faculty Development Program On Robotics And Automation.	Two Week, 16-30 June, 2021	Jamia Millia Islamia, New Delhi

13. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Institution of Engineers (India)	M-130710-4
Life Member	Indian Society for Technical Education	LM-24762

14. Publications in Refereed Research Journals:

SN	Author(s)	Title with page nos. and date of publication	Journal	ISSN No
1	Ali Hasan, R.A.Khan	Identification of Multiple Jointed Kinematic Chains, pp.175-182,2006.	Journal of Analysis and Computation, Vol.2 No.2, pp.175-182, 2006	0973-2861
2	Ali Hasan, R.A.Khan	Identification of Kinematic Chains and Distinct Mechanisms, pp. 251	International Journal of Applied Engineering	0973-4562

		-264, 2006.	Research, Vol.1, No-2, pp.251-264, 2006.	
3	Ali Hasan, R.A.Khan	Isomorphism of Mechanism Kinematic Chains Using Joint- Joint Matrix. pp.1-9, 2006.	Journal of Mechanical Engineering, 75, 831 02 Bratislava, Slovak Republic. ,Vol.57, No-6, pp.1-9, 2006.	0039- 2472
4	Ali Hasan, R.A.Khan	A New Method To Detect Isomorphism In Kinematic Chains,pp:1-11,2007	Kathmandu University Journal Of Science, Engineering And Technology Vol.I, No.III, January, 2007	1816- 8752
5	Ali Hasan, R.A.Khan	Structural synthesis of planar Kinematic chains using [JJ] matrix. pp.11-23, 2007.	Journal of Intelligent System Research (JISR), Vol.1, No-1, pp.11-23, 2007.	0975- 6205
6	Ali Hasan, R.A.Khan	Systematic Development of Kinematic Chains and Mechanisms from a given Assortment of Links” , pp.15-19, 2007.	Journal of ‘Institution of Engineers (India), Vol. 88,pp.15-19, 2007	0020- 3408
7	Ali Hasan, R.A.Khan	Isomorphism in Kinematic Chains Using Path Matrix”, 2007-001, 2007.	Journal of Institution of Professional Engineers (IPENZ), New Zealand,2007	1177- 0422
8	Ali Hasan, R.A.Khan	Isomorphism and Inversions of Kinematic Chains Up to 10 Links Using Degrees of Freedom of Kinematic Pairs. pp. 329-339, 2008	International Journal of Computational Methods (IJCM), Vol. 5, No. 2 ,pp. 329-339, June 2008	0219- 8762
9	Ali Hasan, R.A.Khan	Isomorphism and Inversions of Kinematic Chains up to 10 Links , pp.10-14,2009.	Journal of ‘Institution of Engineers (India), Vol. 90, pp.10-14, 2009	0020- 3408
10	Ali Hasan, R.A.Khan	Identification of Isomorphism among Kinematic Chains and Inversions Using Link Adjacency Values, pp.309-315, 2009.	International J. of Mech. and Materials Engineering (IJMME), pp.309-315, No.3, Vol. 4(2009)	18230 334
11	Ali Hasan, R.A.Khan	A Method of Identification of kinematic chains and Distinct Mechanisms, pp133-141, 2009.	Computer Assisted mechanics and Engineering Sciences, 16, pp133-141, 2009	1232- 308X
12	Ali Hasan, R.A.Khan	Isomorphism in Compound Kinematic Chain, pp. 38-43,2009.	International Journal on Mechanical & Automobile Engineering, volume 05, No. 07, pp. 38-43, 2009	0974- 231X
13	Ali Hasan, R.A.Khan	Application of Link Adjacency Values to Detect Isomorphism among Kinematic Chains, pp157- 162,2010.	Int. J. Mech. Mater. Design, ”, 6,157-162,2010	1569- 1713

14	Ali Hasan, R.A.Khan	Mobility Analysis of Kinematic Chains, pp 25-32,2010	Kathmandu University Journal of Science, Engineering and technology vol. 6. No. 1, pp 25-32, 2010.	1816-8752
15	Ali Hasan	A method for identification of isomorphism and structural properties of kinematic Chains, pp 376-388,2011.	Int. J. Materials and Structural Integrity, Vol. 5, No. 4, pp 376-388,2011	1745-0055
16	Ali Hasan	Isomorphism Identification of Compound Kinematic Chain and Their Mechanism, pp 7-15.	i-manager's Journal on Mechanical Engineering, Vol. 2 , No. 1,pp 7-15, Nov. 2011 – Jan. 2012. .	2249-0779
17	Ali Hasan	A Study Of Kinematic Chain Isomorphism Identification ,pp: 89-95,2013.	Mechanica Confab, Vol. 2, No. 3, pp: 89-95, April-May 2013	2320-2491
18	Ali Hasan	A Study On Material Requirement Planning System For Small Scale Industries, pp:96-104, 2013.	Mechanica Confab, Vol. 2, No. 3, pp: 96-104, April-May 2013	2320-2491
19	Ali Hasan	Isomorphism In Kinematic Chains,pp:9-16, 2013	International Journal of Research in Engineering and Science (IJRES), Vol. 1, Issue 1, PP.09-16, May. 2013.	2320-9364
20	Ali Hasan	Conceptual Mechanical Engineering Design,pp: 75-82, 2013	International Journal of Advanced Research in Engineering and Applied Sciences (IJAREAS), Vol. 2, No. 6, pp:75-82, June 2013	2278-6252
21	Ali Hasan	Study of Structural Analysis of Mechanisms - Structural Isomorphism. PP: 43-51, 2013.	International Journal of Engineering Inventions, Volume 2, Issue 12, PP: 43-51, August 2013	2278-7461
22	Ali Hasan	Study on Graphs of Kinematic Chains. Vol. 2, Issue 8, pp. 3914-3927 August 2013	International Journal of Innovative Research in Science, Engineering and Technology,	2319-8753
23	Ali Hasan	A Study of Structural Representation of Mechanisms Kinematic Chains. pp.43-48, 2013	Universal Journal of Mechanical Engineering ,USA,1(2): 43-48, 2013	2332-3361
24	Ali Hasan	Determination of the Distinct Mechanisms from a Given Kinematic Chain, pp. 8-14 Vol. 3 , No. 3, May - July 2013.	i-manager's Journal on Mechanical Engineering,	2249-0779
25	Ali Hasan, A.K.Dargar	Study of Structural Isomorphism among Mechanisms Kinematic Chains. pp.372-389, 2013.	International Journal of Management, IT and Engineering (IJMIE),	2249-0558

			Vol.3, Issue 10, pp.372-389,Oct. 2013	
26	Ali Hasan, A.K.Dargar	A New Concept to Detect Isomorphism in Kinematic Chains using Fuzzy Similarity Index,pp.30-33, 2014	International Journal of Computer Applications (0975 – 8887) Volume 86 – No 12, January 2014.	0975 – 8887
27	Ali Hasan	A New Method Based On the Comparison of the Unique Chain Code to Detect Isomorphism among Kinematic Chains,pp. 1-6, 2014.	International Journal of Modern Engineering Research (IJMER), Vol. 4 , Iss. 1, Jan. 2014.	2249–6645
28	Ali Hasan	Inversions of multiple jointed kinematic chains, pp.19-26, 2014.	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 4, Issue 3, Jun 2014.	2249-8001
29	Ali Hasan	New Matrix Representation of Kinematic Chains and Determination of Isomorphism, pp. 561-565, 2014	Scholars Journal of Engineering and Technology (SJET), Sch. J. Eng. Tech. 2(4B):2014	2347-9523
30	Ali Hasan	Study of epicyclic gear trains using graph theory,pp.222-228,2015	International Journal of Engineering Sciences & Research,4(7), 2015	2277-9655
31	Ali Hasan	Mechanisms for 10 links kinematic chains of Group-F, pp 42-51, vol.4, issue 2, Feb,2016	International journal of research in Aeronautical and Mechanical Engineering (IJRAME),	2321-3051
32	Ali Hasan	Atlas of fixed links and equivalent links in mechanisms of 6 links, 7 joints,1 F Kinematic chains using [JJ] matrix, pp.136-144, vol.6,issue 2, Feb,2016	International Journal of Research in Engineering and Applied Sciences,	2249-3905
33	Ali Hasan	Study of Paucellier Mechanism,pp.132-135, Volume-32 Number- 3 February 2016	International Journal of Engineering Trends & Technology (IJETT),	2231-5381
34	Ali Hasan	Mechanisms of 10 links,13 joints,1-F kinematic chains of Group-B,pp155-161, vol.2,issue 8, February, 2016	International Journal of Science Technology & Engineering (IJSTE),	2349-784X
35	Ali Hasan	Some new codes for isomorphism identification among kinematic chains and their inversions, pp. 49-67,vol.1, no.1, 2013.	International Journal of mechanisms and robotic systems.	2047-7252
36	Ali Hasan	Collection of Mechanisms for 10 Links Kinematic Chains of Group G,pp. 31-38, 2016	EPH-International Journal of Science and Engineering,	2454-2016
37	Ali Hasan	Distinct Mechanisms of 10 Links Kinematic Chains of Group- A,pp 672-687,), Vol.5, No, 03, pp.672-687, March- 2016.	International Journal of Innovation of Science and Research(IJISR	2319-9369

38	Ali Hasan	STUDY OF PLANER KINEMATIC CHAINS OF 1F 8LINKS, pp. 64-68 , Volume 5, Issue 1 (II): January - March, 2018	International Journal of Advance and Innovative Research	2394 - 7780
39	Ali Hasan	Distinct Mechanisms of 6 Links, 7 Joints, 1F Kinematic Chains, pp.69-77 ,Vol. XI, No.2,May 2018.	IUP Journal of Mechanical Engineering	0974-6536
40	Ali Hasan	Isomorphism among Kinematic Chains and Distinct Mechanisms, pp. 77-85, Volume 7, Number 1 (2017)	International Journal of Advanced Mechanical Engineering	2250-3234
41	Ali Hasan	Study of Isomorphism in Kinematic Chains and Mechanisms,pp.320-328 , Vol. 8 Issue 3, March 2018	International Journal of Management, IT & Engineering	2249-0558
42	Ali Hasan	Distinct Mechanisms of 10 Links 13 Joints 1 Degree of Freedom Kinematic Chains of Group A,pp.45-57, Volume 4, Issue 01, January 2018.	International Journal of Engineering Research and Advanced Development	2395-5163
43	Ali Hasan	Distinct Mechanisms of Kinematic Chains of Group B,pp.314-319, Vol 6. Issue 8, December 2017	International Journal of Engineering, Science and Mathematics	2320-0294
44	Ali Hasan	Study of Multiple Jointed Kinematic Chains,pp.13-19, Volume 08, Issue 1, January – 2018	International Journal of Computational Engineering Research (IJCER)	2250 – 3005
45	Ali Hasan	MRP System for low-volume make-to-order industries: A case study,pp.79-86, Volume 4, Issue 01, January 2018	International Journal of Engineering Research and Advanced Development	2395-5163
46	Ali Hasan	Inversions of 10 Link 12 Joint 3 F Compound Kinematic Chains,pp.1-9, Volume 8, Issue 1, April 2018	Journal of Materials & Metallurgical Engineering	2321–4236
47	Ali Hasan	Generation of Planar Kinematic Chains,pp.271-278. Issue December 2017	Research Cell : An International Journal of Engineering Sciences	2320-0332
48	Ali Hasan	Catalogue of Distinct Mechanisms Of Kinematic Chains,pp.10-13, Vol. 8 No. 2, (July - December 2017)	ISST Journal of Mechanical Engineering	0976-7371
49	Ali Hasan	Performance Investigation of Wheel and Differential Axles in Engineering Mechanics Lab,pp.6-12, Volume: 5, Issue: 04, [April– 2018]	International Journal of Modern Trends in Engineering and Research (IJMTER)	2349–9745
50	Ali Hasan	Faults Diagnosis and Their Remedies in the Manufacturing of	International Journal of Engineering, Science and	2320-0294

		Heat Exchangers: A Case Study,pp.123-130, Vol. 7Issue 1, January 2018	Mathematics	
51	Ali Hasan	Six-Link Variable-Stroke Engine Mechanisms With One Prismatic Joint ,pp.117-119, Volume- 5, Issue-12, Dec.-2017	International Journal of Mechanical And Production Engineering,	2321-2071
52	Ali Hasan	Study of Topological Graphs of Kinematic chains having 10 bars 12 Kinematic pairs and 3 Degree of Freedom ,pp.34-39 , Volume 4, Issue 02, February, 2018	Journal of Engineering Research and Advanced Development	2395-5163
53	Ali Hasan	Transportation And Storage Problems of Rice And Wheat Straw of Indian Farmers ,pp.98-102, Volume: 5, Issue: 03, [March– 2018]	International Journal of Modern Trends in Engineering and Research (IJMTER)	2349–9745
54	Ali Hasan	Characterization of Complex Mechanism Kinematics Chains,pp.17-21, Vol. 7 Issue 3, March 2018	International Journal of Engineering, Science and Mathematics	2320-0294
55	Ali Hasan	Conceptual Stage of Design In Mechanical Engineering,pp.85-88, <i>Volume: 5, Issue: 2, [February– 2018]</i>	International Journal of Modern Trends in Engineering and Research (IJMTER)	2349–9745
56	Ali Hasan	Performance Investigation of Screw Jack in Engineering Mechanics Laboratory ,pp.1-6, Volume 4, Issue 03, March, 2018	Journal of Engineering Research and Advanced Development	2395-5163
57	Ali Hasan	Performance Investigation of Double Purchase Winch Crab,pp.122-126, <i>Volume 05, Issue 2, [February– 2018]</i>	International Journal of Modern Trends in Engineering and Research (IJMTER)	2349–9745
58	Ali Hasan	Study of the co-efficient of static friction between different pairs of surfaces using Inclined Plane Apparatus,pp.357-362, Vol. 7 Issue 3, March 2018	International Journal of Engineering, Science and Mathematics	2320-0294
59	Ali Hasan	Study the Performance of the Bell Crank Lever Apparatus,pp.2160-2163, Volume 6 Issue III, March 2018	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653
60	Ali Hasan	Investigation of Support Reactions of a Simply Supported Beam,pp.51-60, Vol. 8 Issue 5, May 2018	International Journal of Management, IT & Engineering	2249-0558
61	Ali Hasan	Performance Investigation of Force Board Apparatus in the Study of Law of Parallelogram of Coplanar Concurrent	International Journal of Engineering & Scientific Research	2347-6532

		Forces,pp.68-72, Vol. 6 Issue 4, April 2018		
62	Ali Hasan	Performance Investigation of Combined Coil And Belt Friction Apparatus For Measurement of The Coefficien of Friction,pp.177-181, <i>Volume: 5, Issue: 03, [March– 2018]</i>	International Journal of Modern Trends in Engineering and Research (IJMTER)	2349–9745
63	Ali Hasan	Performance Investigation of a Worm and Worm Wheel Apparatus in Engineering Mechanics Laboratory,pp.3537-3541, <i>Volume 6 Issue IV, April 2018</i>	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653
64	Ali Hasan ,S.H.H.Rizvi	A new method for distinct inversions and isomorphism detection in kinematic chains.pp.48-59, Vol. 3, No. 1, pp. 48-59, 2016,	Int. J. Mechanisms and Robotic Systems, Inderscience Enterprises Ltd	2047-7252
65	Ali Hasan ,S.H.H.Rizvi	An efficient algorithm for distinct inversions and isomorphism detection in kinematic chains .pp.251-253, 2016	Perspectives in Science (Elsevier)	2213-0209
66	Ali Hasan, Jiyaul Mustafa	An Application of Modified Path Matrix Approach For Detection of Isomorphism Among Epicyclic Gear Trains, Pages 463–472 , volume 101 (20 January,2020)	Springer India, Journal of The Institution of Engineers (India): Series C ,DOI https://doi.org/10.1007/s40032-020-00556-9	2250-0545
67	Ali Hasan, Jiyaul Mustafa	Identification of Isomorphism in Epicyclic Gear trains-A Bocher’s approach, Pages 881-887, 25 (2020)	Materials Today: Proceedings-Journal-ELSEVIER	2214-7853
68	Ali Hasan, Jiyaul Mustafa	An Innovative approach for detection of Isomorphism of Epicyclic Gear trains ,Pages 862-867, 25 (2020)	Materials Today: Proceedings-Journal-ELSEVIER	2214-7853
69	Ali Hasan	Study of Gyroscopic effects on a disc, Pages 905-914, 14(11), April, 2021.	Indian Journal of Science and Technology	0974-5645
70	Ali Hasan	Experimental Analysis of the Profile and Stroke of a Cam and Follower Mechanism, pages 42-48, vol.10, issue 40, Dec 2020.	Shodh Sanchar Bulletin,	2229-3620
71	Ali Hasan	Isomorphism Identification among Kinematic Chains of Group-IV-D, E and F, pages 559-564, vol.12, No.7, April 2021.	Turkish Journal of Computer and Mathematics Education	1309-4653
72	Ali Hasan	Computations of Mechanisms from Kinematic Chains of Group-	Shodh Sanchar Bulletin,	2229-3620

		IVC, pages 20-30, vol.10, issue 40, Dec 2020.		
73	Ali Hasan	Study of Watt Governor Mechanism, Pages 1116-1121, 14(14), April, 2021.	Indian Journal of Science and Technology	0974-5645
74	Ali Hasan	Study of the Jumping Phenomenon in a Cam and Follower Mechanism , Pages 84-88, vol 14 No 05, March, 2021.	Bioscience Biotechnology Research Communication (BBRC)	2321-4007
75	Ali Hasan	Investigation of Gyroscopic Effects on a Disc in Machine Dynamics Laboratory, Pages 90-100, Vol 13, No 73, March 2021.	Wesleyan Journal of Research.	0975-1386
76	Ali Hasan, Jiyaul Mustafa	Comparative study between modified path matrix approach, modified gradient method and Bocher's technique to detect Isomorphism in EGTs. , pages , vol , April 2021	Materials Today: Proceedings-Journal-ELSEVIER	2214-7853
77	Ali Hasan, Jiyaul Mustafa	Generation of one-DOF epicyclic gear trains with upto eight links. , pages , vol , May 2021	Materials Today: Proceedings-Journal-ELSEVIER	2214-7853
78	Ali Hasan, Jiyaul Mustafa	Some applications of graph theory to isomorphic analysis of epicyclic geared mechanisms, pages 1051-1057, vol 102 (4), August 2021.	<i>Springer India</i> , Journal of The Institution of Engineers (India): Series C ,DOI https://doi.org/10.1007/s40032-021-00710-x	2250-0545
79	Ali Hasan	Experimental Analysis of Porter Governor Mechanism in Dynamics of Machinery Laboratory, pages 1-7 , vol 1950, 6 Aug,2021	Journal of Physics: Conference Series. doi:10.1088/1742-6596/1950/1/012033	1742-6596
80	Ali Hasan	Experimental Analysis of the coefficient of static friction between different pairs of surfaces using Horizontal Plane Apparatus, pages 1-8 , vol 1950 , 6 Aug,2021	Journal of Physics: Conference Series. doi:10.1088/1742-6596/1950/1/012033	1742-6596
81	Ali Hasan	Experimental Analysis of Proell Governor Mechanism in Dynamics of Machinery Laboratory, pages 447-453, 2020	Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-0942-8_46	2145-4356
82	Ali Hasan	Comparative Study of Watt, Porter, Proell and Hartnell Governor Mechanism , pages 481-497, 2020	Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-0942-8_46	2145-4356
83	Ali Hasan	Experimental Analysis of Hartnell	Lecture Notes in	2145-

		Governor Mechanism in Dynamics of Machinery Laboratory , pages , vol , 2021	Mechanical Engineering-Springer	4356
84	Ali Hasan	Study of Isomorphism among Kinematic Chains of Group-IVC, pages , vol , 2021	Lecture Notes in Mechanical Engineering-Springer	2145-4356
85	Ali Hasan	Mechanisms Design using kinematic chains of Group IV-D,E and F, Pages 73-76, Vol 8, Issue 3, March 2021.	Journal of Emerging Technologies and Innovative Research(JETIR)	2394-5162

15. Conferences/Workshops/Symposia Proceedings

S. No .	Title / Academic Session with date	Lecture/ Resource Person/ Paper presentation/ full paper in Conference Proceedings	Event Organized by	Whether International / National/State / University level
1	14th ISME International Conference on 'Mechanical Engineering Knowledge Edge', December 12-14, 2005.	Material Requirements Planning System for Job Order Based Industries.	Delhi College of Engineering (D.C.E.) Delhi	International
2	Conference in 'Mechanical Engineering (AIME-2006)', January 20-21,2006,	Systematic development of kinematic chains from a given assortment of links.	Jamia Millia Islamia, Delhi	National
3	Conference in 'Mechanical Engineering (AIME-2006)', January 20-21,2006	Some Aspects of Flexible Manufacturing System (FMS) in Indian Manufacturing Industries.	Jamia Millia Islamia, Delhi	National
4	'All India Seminar on Advances in Product Development'. February 17-18, 2006.	Characterization and Identification of Complex Kinematic Chains and Mechanism.	Institution of Engineers (India), Allahabad (U.P.)	National
5	National Conference On Emerging Frontiers In Mechanical Engineering For New Generation Industry [EFME-2011],12& 13 March 2011.	Identification of Isomorphism Among Kinematic Chains and Inversions.	At Ideal Institute Of Technology, Ghaziabad (U.P.)	National
6	National Conference on 'Recent Advances in Mechanical Engineering (NCRAME-2013), 8-9 July,	Study to identify the Kinematic Chains Isomorphism and	G.B. Pant Engineering College, Pauri-	National

	2013.	Distinct Mechanisms	Garhwal (U.K.)	
7	National Conference on Advances in Mechanical Engineering (NCAME-2013), August 22-23, 2013.	Identification Of Mechanisms Using [WA] Matrix.	Al-Falah School of Engineering & Technology, Faridabad (Haryana)	National
8	National Conference on Advances in Mechanical Engineering (NCAME-2013), August 22-23, 2013.	Study of structural analysis of mechanisms considering degree of freedom.	Al-Falah School of Engineering & Technology, Faridabad (Haryana)	National
9	Indian Society for Technical Education Delhi Section Convention on “Technological Universities and Institutions In Knowledge Age : Future Perspectives and Action Plan” September 5-6,2013	A Review of Systematic Mechanism Design Procedure (ISTE104)	Delhi Technological University (D.T.U.) Delhi	National
10	International conference on ‘Advances and Innovations in Mechanical Engineering’,05 th October,2013	Study of Structural Analysis of Mechanisms - Assortment of Links	Sir Padampat Singhania University, Udaipur	International
11	1st International and 16th National Conference on Machines and Mechanisms (iNaCoMM2013), IIT Roorkee, India, Dec 18-20,2013	Study Kinematic Chains and Distinct Mechanisms	IIT Roorkee	International
12	International Conference on Manufacturing Excellence (MANFEX-2013), May 30-31, 2013.	Quality at Conceptual Stage of Design in Mechanical Engineering Design.	Amity University Uttar Pradesh, Noida (U.P.)	International
13	11th National Conference on Industrial Problems on Machines and Mechanisms (IPRoMM-2014), February 26-27, 2014	Mechanisms kinematic chains characterization	I.T.S. Engineering college, Greater Noida	National
14	National Conference On’ Recent Advances in	Application of Fuzzy set theory to	Ajay Kumar Garg	National

	Mechanical And Civil Engineering (RAMCE-2014)', 04-05 April 2014.	Detect Isomorphism in Kinematic Chains	Engineering College, Ghaziabad (U.P.)	
15	International Conference on Advances in Mechanical Engineering on August 7-8,2014	A study of Mechanism Design	Al-Falah University – Faridabad, Haryana	International
16	International Conference on Advances in Mechanical Engineering on August 7-8,2014	Planer Cam & Gear Mechanisms Study	Al-Falah University – Faridabad, Haryana	International
17	International Conference on 'Cutting Edge Technological Challenges in Mechanical Engineering (CETCME' 15), 21 st &22 nd March 2015.	Study of Systematic Design of Automotive Mechanisms	Noida Institute of Engineering and Technology, Greater Noida.	International
18	National Conference on Advances in Mechanical Engineering on April 16,2015	Some Studies On The Structural Analysis Of Epicyclic Gear Trains	Al-Falah University – Faridabad, Haryana	National
19	National Seminar On Solar Robotics (NSSR-2015), October 09-10,2015	Study of Automotive mechanisms	Jamia Millia Islamia, New Delhi	National
20	National Conference On 'advances in mechanical , automobile and production engineering (AMAPE-2015), October 19-20,2015	Study of Isomorphism among kinematic chains	Skyline Institute of Engineering and Technology, Greater Noida.	National
21	International Conference on 'Changing Technological and Managerial Scenario: Aspects And Prospects' November 28, 2015.	Conceptual Mechanism Design Procedure Study	IEC Group of Institutions, Greater Noida	International
22	International Conference on 'Changing Technological and Managerial Scenario: Aspects And Prospects' November 28, 2015.	Study of Closed Kinematic Chains	IEC Group of Institutions, Greater Noida	International
23	International Conference on 'Changing Technological and Managerial Scenario: Aspects And Prospects' November 28, 2015.	A Comparative study of various methods for identification of isomorphism in	IEC Group of Institutions, Greater Noida	International

		Epicyclic Gear Train.		
24	Proceedings:National Conference on Automation in Manufacturing Technology, Northern India Engineering College, New Delhi, March 24-25, 2006.	Faults, Diagnosis and their Remedies in the drilling of tube sheets, baffles plates of a Heat Exchanger: A Case Study- pp:399-405.	Northern India Engineering College, New Delhi.	National
25	Proceedings of the ‘National Conference On ‘ Emerging Trends In Mechanical Engineering’(ETME-2009), MED, MMM Engineering College, Gorakhpur (U.P.), India, October-12-13, 2009	Detection of Isomorphism Among Kinematic Chains Using Flow Path Matrix, pp: 25-29.	MMM Engineering College, Gorakhpur (U.P.).	National
26	Proceedings of the ‘National Conference On ‘Emerging Trends in Mechanical Engineering’ (ETME-2009), MED, MMM Engineering College, Gorakhpur (U.P.), India, October-12-13, 2009.	Identification of distinct mechanisms of kinematic chains.pp: 45-49.	MMM Engineering College, Gorakhpur (U.P.).	National
27	Proceedings of the ‘10 th National Conference on Industrial Problems on Machines and Mechanisms (IPRoMM2010), MNIT, Jaipur (Rajasthan), December17-18, 2010.	Topology Based-Comparative Analysis of Planar Linkages , pp 45-49,	Proceedings of the ‘10 th National C MNIT, Jaipur (Rajasthan)	National
28	Proc. of the International Conference on ‘International Conference on Smart Technologies for Mechanical Engineering Recent Advances in Mechanical Engineering (STME-2013) , D.T.U. Delhi ,October 25-26, 2013	Characterization and Identification of Mechanism Kinematic Chains Having Different Kinematic Pairs, pp: 1210-1214.	D.T.U. Delhi .	International
29	Proceedings of National Conference On ‘ advances in mechanical , automobile and production engineering (AMAPE-2015), Skyline Institute of Engineering & Technology, Greater Noida,(U.P.), October 19-20,2015	Structural Analysis of Epicyclic Gear Trains, pp:1-7	Skyline Institute of Engineering & Technology, Greater Noida,(U.P.).	National
30	Proceedings of National Conference On ‘ advances in	Algorithm for the Distinct Inversions	Skyline Institute of	National

	mechanical , automobile and production engineering (AMAPE-2015), Skyline Institute of Engineering & Technology, Greater Noida,(U.P.), October 19-20,2015	and Isomorphism in Kinematic Chains,pp:43-46	Engineering & Technology, Greater Noida,(U.P.).	
31	National Conference On Robotics and Mechatronics, ,March 3-4,2019	Chaired Session	Jamia Millia Islamia New Delhi	National
32	1st International conference on "Internet of Things: The Eco System for sustainable growth" ICIoT-2020, 23-24 Dec 2020	Paper presentation	Ballarpur Institute of Technology, Ballarpur	International (within country)
33	International Congress on Advances in Materials Science and Engineering (CAMSE-2020), December 28-30, 2020.	Paper presentation	Shobhit University, Gangoh, Saharanpur (U.P.)	International (within country)
34	International Congress on Advances in Materials Science and Engineering (CAMSE-2020), December 28-30, 2020.	Paper presentation	Shobhit University, Gangoh, Saharanpur (U.P.)	International (within country)
35	Ist International conference on Mechatronics and Atificial intelligence (ICMAI-2021), Feb. 26-27, 2021	Paper presentation	S.G.T.Univers ity , Gurgaon (Haryana)	International (within country)
36	Ist International conference on Mechatronics and Atificial intelligence (ICMAI-2021), Feb. 26-27, 2021	Paper presentation	S.G.T.Univers ity , Gurgaon (Haryana)	International (within country)
37	International conference Analytical and Interdisciplinary Research (ICAIR-2021), Feb. 5-6, 2021.	Paper presentation	Sangam University, Rajasthan	International (within country)
38	International conference Analytical and Interdisciplinary Research (ICAIR-2021), Feb. 5-6, 2021.	Paper presentation	Sangam University, Rajasthan	International (within country)
39	4 th International Conference on Innovations in Mechanical Engineering (ICIME-2021), Feb. 26-27, 2021.	Paper presentation	GNI Hyderabad	International (within country)
40	4 th International Conference on Innovations in Mechanical	Paper presentation	GNI Hyderabad	International (within country)

	Engineering (ICIME-2021), Feb. 26-27, 2021.			
41	International Conference on Advancement in Materials, Manufacturing and Energy Engineering (ICAMME- 2021), Feb.18-20,2021.	Paper presentation	MANIT Bhopal	International (within country)

16. Books & Monographs

S. N	Authors	Book Title with page Nos. and date of publication	Name of the Publisher	Whether National/ International Publisher	ISBN No
1	Ali Hasan, R.A.Khan	Manufacturing Processes and Work Shop practice-150,2009	SCITECH Publications (India) Pvt. Ltd.	National	978-81-8371 183 8
2	Ali Hasan, R.A. Khan	Mechanical Engineering. Pages-647,2009	Atlantic Publishers, New Delhi.	National	978-81-269-1202-5
3	Ali Hasan, R.A. Khan	Fundamentals of Engg. Mechanics. Pages-500,2010	Acme Learning Private Limited, New Delhi.	National	978-93-804080-3-3
4	Ali Hasan, R.A. Khan	Experiments & Exercises in Engg. Mechanics. Pages-170,2010	Acme Learning Private Limited, New Delhi.	National	978-93-804080-6-4
5	Ali Hasan, Islam Nawaz	Advanced welding technology. Pages-150 (June 2015)	SCITECH Publications (India) P.Ltd	National	978-81-8371- 719-9

17. Chapters published in Books / Edited Books

S. N	Authors	Title with page Nos. and date of publication	Book/ Title editor & publisher	ISBN No
1	Ali Hasan	Experimental Analysis of Proell Governor Mechanism in Dynamics of Machinery Laboratory, pages 447-453, 2020	Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-0942-8_43	978-981-16-0942-8
2	Ali Hasan	Comparative Study of Watt, Porter, Proell and Hartnell Governor Mechanism , pages 481-497, 2020	Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-0942-8_46	978-981-16-0942-8

3	Ali Hasan	Study of Kinematic Chains of Group IV-D, E, and F: Part-Distinct Mechanisms. Pages ,2021	Advancement in Materials, Manufacturing and Energy Engineering.Springer Nature, DOI : 10.1007/978-981-16-5371-1	978-981-16-5370-4
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18. Referees familiar with your academic work

Full Name	Institutional Affiliation	Designation	Address	Mobile/ Phone No.	Email
Prof. M.L. Aggarwal	YMCA University of Science and Technology (YMCA UST) ,Faridabad (Haryana)	Professor	Department of Mech. Engg., YMCA University of Science Technology and (YMCA UST), Faridabad, (Haryana)	09810971654, 911292211654	aggarwalmlal@rediffmail.com
Prof. N.R. Chauhan	IGDTUW DELHI	Professor	Deptt. of Mech. Engg., IGDTUW Delhi	9810106840	nrchauhan@igdtuw.ac.in
Prof. Satish C. Sharma	Indian Institute of Technology Roorkee	Professor	Mechanical & Industrial Engineering Dept., Indian Institute of Technology Roorkee-247667	09897394009	sshmefme@iitr.ernet.in
Dr. R. A. Khan	Professor Galgotia University ,Greater Noida,(U.P.) India.	Professor (Ex Professor, Dean at JMI)	Mechanical Engineering Department, Galgotia University ,Greater Noida,(U.P.) India.	Tel: 011-26943808 Mob: 9213827949	rasheed_jmi@hotmail.com

Date: 05-09-2022

Place: New Delhi

(Dr. Ali Hasan)