


Name of the Faculty	Dr Anoop Kumar Shukla		
Designation	Professor & HOD, Chief Coordinator JBIIAI		
Date of Joining	Feb 21		
E - Mail	Anoopkumar.anoopkumar.shukla@gmail.com		
Educational Qualifications	Name of the Degree	Branch	Institute
Ph. D	Doctor of Philosophy	Mechanical Engineering	JNTUH, Awarded,
PG	M. Tech	Mechanical Engineering	Osmania University, Hyderabad, First Class
UG	AMIE		Institution of Engineers , Calcutta, India
Work Experience			
Teaching	17 Years		
Research	15 Years		
Industry	15 Years		
Honour & Awards	<p>National Awards/ Republic Day Award</p> <ul style="list-style-type: none"> • a) Railway Boards First Prize with Gold Medal awarded by 27th Indian Engineering Congress, Chief Guest President of India at Vigyan Bhawan New Delhi on 14 Dec 2012 for Research Paper. • b) BINANI Gold Medal Award, awarded on the occasion of 53rd National Metallurgist Day Celebrations held on 13-16 Nov 2015 at Coimbatore, Tamilnadu for research paper. • c) Imperial Society of Innovative Engineers awarded a certificate of appreciation in the gratitude for outstanding contribution to Hybrid Vehicle Challenge 2015 - 2016 as faculty advisor in national forum at International Racing Circuit Bhopal (MP) from 25 Jan 2016 to 27 Jan 2016. 		

	<ul style="list-style-type: none"> • d) Republic day Award • Commendation by Air Officer Commanding in Chief Western Air Command, Indian Air Force on the occasion of Republic day 26 Jan 1998, New Delhi. <p>Best Teacher Award</p> <ul style="list-style-type: none"> • On the occasion of Teachers Day in 2010, Nalla Malla Reddy Engineering College7-01, Divya Nagar, Kachivani Singaram, Near Narapally, Ghatkesar Mandal, 202, Hyderabad, Telangana 500088 . <p>International Best Research Award:</p> <ul style="list-style-type: none"> • Received "Best Research Award" from NESIN Research Awards, An International Research Awards, Science Father, for Research Paper "Experimental evaluation of influence of temperature on nature of fracture in formability test of alpha-beta titanium alloy" Anoop Kumar, Dr. T Mohandas, Materials Today Proceedings Elseware journal, Volume 26, Part 2, 2020, Pages 1473-1477, Paper consist of research highlights from the research project sanctioned from Science and Engineering Research Board, Directorate of Science and Technology, Govt. of India, vide file no. EMR/2016/007303 dated 20 Mar 2018. 		
<p>Research Grants Received from Govt. of India</p>	<ul style="list-style-type: none"> • a) Research Project Grant on High Temperature Formability of Titanium 		

	<p>Alloys, sanctioned by DST, Science and Engineering Research Board (SERB), Gov't of India vide SERB file No FILE NO. EMR/2016/007303 dated 20 Mar 2018 for Rs.21.46 Lakhs, performed the work in collaboration with DRDO.</p> <ul style="list-style-type: none"> (b) Received the grant from All India Council of Technical Education (AICTE) for Scheme for Promoting Interest creativity & Ethics among Students (SPICES) vide F. No. 65-27/AICTE?IDC/SPICE/2020-2021 dated 26 Jul 2021for SAE Colligate Club JBIET. 		
Patent published(national & International)	05		
Responsibilities held at the central level in college	<ul style="list-style-type: none"> Chief Coordinator, JB Institute of Inventor association India(JBIIAI) Professor and Head of Department of Mechanical Engineering, JB institute of Engineering & Technology. 		
Responsibilities held at the departmental level in colleg	<ul style="list-style-type: none"> Head of the Department from 04-06-2022 to till date. Chairman, Board of Studies from 04-06-2022 till date. Member Board of Studies, from 14-12-2020 to till date. 		
Courses Handled at UG Lev	<ul style="list-style-type: none"> Auto mobile Engineering, Manufacturing Technology, Engineering Drawing, Thermal Engineering –I Automation, Computer Aided Designing and Computer Aided Manufacturing, 		
Courses Handled at PG Lev	<ul style="list-style-type: none"> Automation In Manufacturing, Special Manufacturing Process, Flexible Manufacturing System. 		
Area of Research	<ul style="list-style-type: none"> Research on High Temperature Formability of Titanium Alloys, 		
Research Guidance for M. Tech/ Ph. D Students	<ul style="list-style-type: none"> 22 Students 		

Books/ Book Chapters Published	<ul style="list-style-type: none"> • A K Chakrabarti Former Director, DRDL, Dr Anup Kumar, professor in mechanical engineering JBIET (on various aspects of the Design of Experiments and ANOVA), Title: Innovative Practices In Product development Through the Eyes of A Product Developer, DRDO MONOGRAPHS/SPECIAL PUBLICATIONS SERIES, © 2024, Defence Research & Development Organisation, New Delhi – 110 011. ISBN 978-93-94166-47-9 • Muni Tanuja, Anoop Kumar and B. Nageswara Rao, "Review on the Application of CGP to Improve AZ31 Mg Alloy Properties" under exclusive license to springier Nature Singapore, pte ltd 2022, Applications of Computational Methods in Manufacturing and Product Design , Lecture Notes in Mechanical Engineering.
Prominent Research Publications in Conferences	<ul style="list-style-type: none"> • AnoopKumar, T Raghu, I Balasundar, Influence of Strain Rate, Testing Angle and Temperature on Thermoplastic Tensile Deformation of Thermo Mechanically Processed Titanium Alloy, Proceedings of the 1st International and 18th ISME Conference, ISME18, February23rd – 25th, 2017, NIT Warangal, Warangal. • Anoop Kumar, Influence of Extrinsic Forming Conditions on warm formability of Commercially Pure Titanium, Proceedings of Emerging Trends in Mechanical Engineering (ETME, Jan 9-10, 2019), PP.268-273, NIT Warangal. • P ParvathiSrutha Keerthi, Anoop Kumar, Analysis and Optimization of Factors Affecting Maximum Utilization of Sheet Metals for Production, Proceedings of Emerging Trends in Mechanical Engineering(ETME, Jan 9-10, 2019), PP.244-250), NIT Warangal. • Anoop Kumar, Dr. T Mohandas, Experimental evaluation of influence of temperature on nature of fracture in formability test of alpha-beta titanium alloy 10th ICMPC at GLA University on 21th Feb 2020. • Muni Tanuja, Anoop Kumar and B. Nageswara Rao, "Review on the Application of CGP to Improve AZ31 Mg Alloy Properties", in National Conference on " 2nd Innovative Product Design and Intelligent Manufacturing Systems" held at NIT, Rourkela during 12th & 13th Feb, 2021. • Muni Tanuja, Anoop Kumar and B. Nageswara Rao, Review on the application of CGP to improveAZ31 Mg Alloy Properties,National Conference on 2nd Innovative Product Design and Intelligent Manufacturing System; held at NIT, Rourkela during 12th & 13th Feb, 20 • Anoop Kumar, T Raghu, I Balasundar, Influence of Strain rate, Testing angle and Temperature on Thermoplastic Tensile Deformation of Thermomechanically Processed Titanium Alloy, proceedings of the 1st International and 18thISME Conference, ISME18,February23rd – 25th, 2017, NIT Warangal, Warangal. • AnoopKumar, A MunniTanuja, Analysis and optimization of process parameters for obtaining optimal surface finish using CVD and PVD coated ceme4ted carbide tools in

	<p>turning operation, Proceedings of the 1st National Conference on Innovative approaches in Mechanical Engineering NCIAME-17, Sept 22-23, 2017, SMEC Hyderabad India.</p> <ul style="list-style-type: none"> • Conference attended and presented by Dr. Anoop Kumar Shukla Experimental Evaluation of Influence of Temperature of Thermal Treatments on Aspect Ratio of Alpha Particles in microstructure of Alpha – Beta Titanium Alloy, in 14th International Conference on Materials Processing and Characterization (ICMPC2023) during 24th -26th March 2023 • Anoop Kumar, Influence of Solid Lubricants on Formability of Commercially Pure Titanium And Steels Proceedings of the 1st National Conference on Innovative approaches in Mechanical Engineering NCIAME-17 Sept 22-23, 2017, SMEC, Hyderabad, India.
<p>Prominent Research Publications in Journals</p>	<ul style="list-style-type: none"> • AnoopKumar, T Raghu, S Rajesham, IBalasundar: Influences of Temperature of Thermo Mechanical Working on Hardness of Titanium Alloy, International journal of advanced material research Vol.585 (2012) pp381-386. • AnoopKumar, T Raghu, S Rajesham, IBalasundar: Optimization of formability parameters of alpha-beta-processed titanium alloy at elevated temperature, Journal of Materials: Design and Applications, Volume 228 Issue 3 July 2014 pp. 231 - 240. • Anoop Kumar, T Raghu ,S Rajesham, I Balasundar: Analysis of Significant Parameters Influencing formability of Titanium Alloy by Using over All Evaluation Criteria and New Matrix Model Based on Taguchi Method, International journal s Transactions of the Indian Institute of Metals, Volume 67, Issue 5 (2014), Page 721-730. (Best research paper award – BINANI GOLD MEDAL_IIM NMD National Awards 2015 on the occasion of National Metallurgist Day). • Anoop Kumar, T Raghu, S Rajesham, I Balasundar: Optimization of Process Parameters to Maximize Formability for Better productivity by Using Taguchi Method, I J M E July-December 2013 Volume 6 Issue 2, pp 63-67. • AnoopKumar, T Raghu, S Rajesham, I Balasundar: Influence of Temperature of Alpha Beta Rolling Process on Micro Structure of Titanium Alloy, I J M E Volume 5, January-June 2012 Issue 1, pp 65-68. • AnoopKumar, T Raghu, S Rajesham, I Balasundar, S. SudhakarRao: Experimental evaluation of formability of titanium alloys using forming limit diagram, International journal of mechanical engineering Volume 7 issue I Jan-jun2014 page 49-53. • S PrathapRaju, Anoop Kumar, Tool Life Performances on Turing Austenised and Quenched AISI 52100 Bearing Steel with Ceramics and CBN/Tic Cutting tools, International Journal of Current Engineering and Technology.Inpressco Special Issue-2, (February 2014) page 298-302. , • AnoopKumar, AMunniTanuja, Analysis and optimization of process parameters for obtaining optimal surface finish using

	<p>CVD and PVD coated cemented carbide tools in turning operation, 2017,IOSR-JMCE,eISSN227 1684,P-ISSN:2320-364X,PP22-27.</p> <ul style="list-style-type: none"> • B. Anil Kumar, S. Sheshikanth Reddy, VRLS Gangadhar, Anoop Kumar, Random Vibration and Transient Bump Analysis of Automotive Heavy Vehicle Levelling frame,IOSR Journal of Mechanical and Civil Engineering,Vol 12,Issue 4, Aug 2015, pp 95. • G Narasimhulu , S Anoop Kumar, Y Vijay Kuma, PHV SeshatalpaSai, Design and Analysis of Mechanism for dynamic Characterization of Power Transmission System, IOSR Journal of Mechanical and Civil Engineering , Volume 12, Issue 6, Nov-Dec 2015, PP. 29-33. • Orugonda Ravali, Anoop Kumar,A Review on Influence of Multi Axial Forging of A Z 31 Magnesium Alloy on Formability, ISSN (print): 2393-8374, (online): 2394-0697, volume-4, issue-11, 2017pp 87-92. • Sainath Chary, Anoop Kumar, Design, Analysis and Fabrication of Disc Brake Using Different Pattern of Holes, IJETS,ISSN (print): 2393-8374, (online): 2394-0697, volume-4, issue-11, 2017 pp 99-104. • Bharath Parshi, AnoopKumar, Design and Analysis of Centrifugal Blower Impeller Using Steels and Aluminium Alloy,IJTESR, ISSN (print): 2393-8374, (online): 2394-0697, volume-4, issue-11, 2017, pp93-98. • Anoop Kumar, Influence of Solid Lubricants on Formability of Commercially Pure Titanium And Steels IOSR Journal of Mechanical and Civil Engineering , 2017,IOSR-JMCE,eISSN227 1684,P-ISSN:2320-364X,PP31-35. • AnoopKumar, AMunniTanuja, Analysis and optimization of process parameters for obtaining optimal surface finish using CVD and PVD coated cemented carbide tools in turning operation, 2017,IOSR-JMCE,eISSN227 1684,P-ISSN:2320-364X,PP22-27. • Anoop Kumar, Influence of Sheet Metal Thickness on Formability of Aluminium Alloy 6061, IJCESR ISSN (print): 2393-8374, (online): 2394-0697, volume-4, issue-11, 2017 pp 83-88. • Influence of thermo mechanical working on formability of titanium alloys. Submitted to Materials Science and Engineering(A) Elseware publication. • P ParvathiSrutha Keerthi, Anoop Kumar, Analysis and Optimization of Factors Affecting Maximum Utilization of Sheet Metals for Production, Proceedings of Emerging Trends in Mechanical Engineering(ETME, Jan 9-10, 2019), PP.244-250), NIT Warangal. • P.P.S.Keerthi, S. Anoop Kumar, P. P. C.Prasad, K. Hemalatha, A Review of Partial Ductile Mode Machining for Brittle Materials, Materials Science and Engineering 455 (2018) 012057, IOP Publishing, doi:10.1088/1757-899X/455/1/012057. • Sandeep Yadav, Anoop Kumar, T Paramesh, K Sunita, A Review on Enhancement of Wear Resistance Properties of, Titanium Alloy using Nano-Composite Coating, Materials Science and Engineering , 455 (2018) 012120, IOP Publishing,
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	<p>dOI:10.1088/1757-899X/455/1/012120.</p> <ul style="list-style-type: none"> • Anoop Kumar, Experimental Analysis of Formability of Commercially Pure Titanium under PTFE Lubricated Conditions, Materials Science and Engineering 455 (2018) 012052, IOP Publishing, dOI:10.1088/1757-899X/455/1/012052. • Anoop Kumar, Analysis of Formability of face-centered-cubic Structured, Aluminum Alloy and Hexagonal Closed Packed Commercially Pure Titanium, Series, Materials Science and Engineering 455 (2018) 012053, dOI:10.1088/1757-899X/455/1/012053. • A Muni Tanuja , Anoop Kumar, “A Review study on Equal Channel Angular Pressing process of Al6061 alloy for Aerospace Applications” in Journal of Aerospace Engineering and Sciences, Volume 3 Issue 1, Pg No. 1 -8, Mar 2018. • Muni Tanuja, Anoop Kumar, “Analysis and Optimisation of Process Parameters for Obtaining Optimal Surface Finish Using Cvd and Pvd Coated Cemented Carbide Tools in Turning Operation” in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP. 22-27, Jan, 2018. • Anoop Kumar ,Design and Analysis of Portable Reactor for Pyrolysis Process, International Journal of System Design and Information Processing (IJS DIP) 2023; Volume -11, Issue-4_Page_41-45. • Anoop Kumar, Design and Analysis of Compost Maker, International Journal of System Design and Information Processing (IJS DIP) 2023; Volume -11, Issue 2_Page_193-197. • Dr.Anoopkumar Shukla , Pachange Lakhan , Shilamkoti Sai Vilas Medhi Sachin, MD Pasha Design and Analysis of Drone Landing Gear for Agriculture International Scientific Journal of Engineering and Management, Volume: 03 Issue: 04 April – 2024 • Dr.Anoop Kumar Shukla , Naini Jagadeesh , Pothu Naveen Kumar, Gudikandula Ramakrishna, Munagapati Tharun, Madasi Avina, International Scientific Journal of Engineering and Management, Volume: 03 Issue: 04 • Anoop Kumar, Dr. T Mohandas, Experimental evaluation of influence of temperature on nature of fracture in formability test of alpha-beta titanium alloy, Materials Today Proceedings Elseware journal, Volume 26, Part 2, 2020, Pages 1473-1477.(Paper Received “Best Research Award” from NESIN Research Awards, An International Research Awards, Science Father, Paper consist of research highlights from the research project sanctioned from Science and Engineering Research Board, Directorate of Science and Technology, Govt. of India, vide file no. EMR/2016/007303 dated 20 Mar 2018.
H-Index (As per SCOPUS Database)	5
PROFESSIONAL MEMBERSHIPS	<ul style="list-style-type: none"> • Life Membership: • Society of Failure analysis of India • Indian Society of Mechanical Engineering (ISME LM No-L-1152)

	<ul style="list-style-type: none"> • Indian Welding Society M. No. L0191 • Indian Society of Technical Education (ISTE) Member ship -Society of Automotive Engineers (India) -Indian Institute of Metals
<p>Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Attended)</p>	<ul style="list-style-type: none"> • Completed a 02 week AICTE sponsored staff development program on Recent Advances in Manufacturing Automation & Simulation at CBIT Hyderabad in 2012 under TEQUIP. • Attended one week workshop on Product design and manufacturing organized by CDAC, Hyderabad, a scientific society of the ministry of communication and information technology, Govt. of India in association with Telangana Academy for Skill and Knowledge (TASK) from 24 Oct. to 28 Oct. 2016. • Attended a 02 days“ Workshop On Taguchi Optimization and Response Surface Methodology, organized by Department of mechanical Engineering JNTUH, College of Engineering Kukatpally Hyderabad under TEQIP II funds during 6-7 Dec 2013. • Completed course of Technical Teachers Training from National Institute of Technical Teachers Training Institute Chennai In 2007. • Attended consortium for faculty development in mechanical engineering (CFDME) at JNTU Hyderabad 2010. • Attended a National symposium 2012 organized by DRDO on Prevention & failure analysis at MGIT Hyd. • Attended CFDM (01week faculty development programme) at NMREC Hyderabad. • Board member for judging the Teaching Methodologies of Technical Teachers Trained by Indo – • US collaboration team in workshop 2008 held at SRTIST Nalgonda. • Attended a workshop on Tribology at VIT Hyderabad. • Attended a workshop on Computational Fluid Dynamics (CFD) at SNIST Hyderabad. • Attended an International Conference on Technological Innovations in Mechanical Engineering. 10-11 Feb 2016 CBIT Hyderabad. • Attended International Conference ICMPC-2012. • Attended International Conference (IIM ATM & NMD)-2011. organised by DRDO. • Attended International Conference on Nano Technology & Advanced Materials at SNIST Hyderabad. • Attended an International Conference AMPCO 2012, held on 2-4 Nov 2012 & published a paper at IIT Roorkee. • Attended a National Conference on Advances in Materials at CBIT Hyderabad.

	<ul style="list-style-type: none"> • Attended a workshop on Failure Analysis in industry at Nuclear Fuel Complex on 20 Jan 15. • Attended a one week Faculty Development Programme (FDP) on Hyper-Works and Computational Fluid Dynamics (CFD) December 5 -10, 2016, at Department of Mechanical Engineering, St.Martin's Engineering College Hyderabad. • Attended a National Conference on Innovative Approaches in Mechanical Engineering 22nd -23rd september 2017 at , St. Martin's Engineering College Hyderabad • Attended a Two Day International Conference on Advancements and Innovations in Engineering, Technology & Management (ICAIETM2017) Technically sponsored by ISTE, IEEE and IETE ,28-29 Dec 2017, at JBREC Hyderabad. • Attended a one week Faculty development Programme on Engineering Graphics organized by Department of Mechanical Engineering, School of Engineering in association with ISTE- chapter, on 30th January 2017 to 04 th February 2017. • Attended two week AICTE sponsored Faculty Development Programme on Data Sciences & Analytics from 9 December to 21 December 2019 organized by St. Martin's Engineering College in collaboration with Computer Science of India.
<p>Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Organized)</p>	<ul style="list-style-type: none"> ➤ Organized the Ideathon for B Tech, Dental and Pharmacy Students on 05th July 2022 under JBIIAI. ➤ Organized a National Webinar "Ideation to Commercialisation" under JBIIAI for multi disciplinary students and faculty 16th July 2021. ➤ Organised a one week Faculty Development Programme (FDP) on 'Hyper-Works and computational Fluid Dynamics (CFD)' December 5 - 10, 2016, at Department of Mechanical Engineering, St.Martin's Engineering College Hyderabad. ➤ Organised a National Conference on Innovative approaches in Mechanical Engineering 22nd -23rd September 2017 at ,St.Martin's Engineering College Hyderabad. ➤ Organizer of the seminar "Skill India Initiative and Entrepreneurship for Successful India" on 30 Sep-1 Oct 015 at JB Institute of Engineering and Technology Hyderabad. ➤ Organized a Webinar " National Webinar on Ideation to Commercialization" on 16 Jul 2021 at JBIET/ JBIIAI Hyderabad.

	<ul style="list-style-type: none"> ➤ Organized the Ideathon for B Tech , Dental and Pharmacy Students on 05th July 2022 under JBIIAI. ➤ Organized a National Webinar “Ideation to Commercialisation” under JBIIAI for multi disciplinary students and faculty 16th July 2021. ➤ Organised a one week Faculty Development Programme (FDP) on ‘Hyper-Works and computational Fluid Dynamics (CFD)’ December 5 - 10, 2016, at Department of Mechanical Engineering, St.Martin’s Engineering College Hyderabad. ➤ Organised a National Conference on Innovative approaches in Mechanical Engineering 22nd -23rd September 2017 at ,St.Martin’s Engineering College Hyderabad. ➤ Organizer of the seminar “Skill India Initiative and Entrepreneurship for Successful India” on 30Sep-1 Oct 015 at JB Institute of Engineering and Technology Hyderabad. ➤ Organized a Webinar “ National Webinar on Ideation to Commercialization” on 16 Jul 2021 at JBIET/ JBIIAI Hyderabad.
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