

Name of Faculty Dr. L. SURESH KUMAR  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 26.12.2005  
 E-mail Isureshkumar\_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical Engineering)	Awarded
PG	M, E (Production Engineering)	Distinction
UG	B. Tech (Mechanical Engineering)	First Class
LLB	LAW	Awarded

Work Experience

Teaching	14 years
Research	09 years
Industry	Nil
Others	Worked as Principal in Ramanandathirtha Engineering College, Nalgonda (Ratified JNTU Hyderabad) from 22.10.2013 to 31.12.2014

Area of Specialization Production., Manufacturing

Professional Memberships

1. Membership of International Association of Engineers. (IAENGG-104570)
2. Membership OF Institute of Self Reliance Leadership. (ISRL369)
3. Membership of International Multidisciplinary Research Foundation. (IMRF-GM402)

Responsibilities held at Institution Level --

Responsibilities held at Department Level

1. Member – Board of Studies-29.12.2017 onwards
2. Department Time Table In charge from 21-03- 2020.
3. Coordinator, Informatics, Department of Mechanical Engineering-12-05-2020.
4. ISO coordinator for Mechanical Engineering Department-from 20-12-2017.

Research Guidance 01 (In Progress)

Awards received

1. Received Dr A P J Abdul Kalam Best Researcher Award in the year 2019-2020 by International Organization Of Innovation And Publishers ( IOIRP ).
2. Received Bharath Vikas Award in the year 2017-2018 by Institute of Self Reliance, Bhubaneshwar.
3. Received IMRF Life Time Achievement Award in the year 2018-2019 by International multidisciplinary Research Foundation.
4. Received Best Teacher Award in the year 2009-2010 by CBIT

Courses Handled at Under Graduate / Post Graduate Level.

Production and operation management, Operation Research. Engineering Drawing, Industrial Administration and financial management, Product design and process planning, Waste Management, Entrepreneurship, Intellectual property Rights, Material science and metallurgy, Human Rights and Legislature Procedure, C-Language.

No. of Papers Published

National Journals – 01	International Journals – 22
National Conference – 01	International Conference – 10

Projects Carried out Nil

Patents Nil

Technology Transfer .....

Invited Speaker	<ol style="list-style-type: none"> <li>1. Keynote Speaker talk on “Finite Element Analysis of Composite Plates in ANSYS” in Faculty Development Programme, Sponsored By TEQIP, Conducted in CBIT during 20 -01-2017 to 25-01-2017 .</li> </ol>
No. of Books/Chapter Published with details	<ol style="list-style-type: none"> <li>1. Book Titled “Material science and Metallurgy”, Published by Lambert Academic Publishing,ISBN-.978-620-0-11660-4,March,2019.</li> <li>2. Book Titled “Intellectual Property Rights“, Published by Xpress Publishing,ISBN-978-1-64919-021-5,March-2020.</li> <li>3. Book Titled “Production And Operation Management”, published by Xpress Publishing,ISBN-978-1-64783-750-1,March-2020</li> <li>4. Book Titled “Waste Management And its Challenges“ Published by, Xpress Publishing, SBN:10-649194501,March 2020.</li> <li>5. Book Titled”, Finite Element Applications in Mechanical and Civil Engineering”, published by Vrinda Publishers ISBN-978-93-85518-03-4,January,2017.</li> <li>6. Published Book Title”, Emerging Trends in composite materials and Industrial applications”, published by Vrinda Publishers, ISBN:-978-93-85518-09-5,January,2017.</li> </ol>
Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).	<ol style="list-style-type: none"> <li>1. Attended One week online FDP on “Quality Education through OBE” at CBIT(2024)during 22nd - 27th January 2024</li> <li>2. Attended One week online FDP on” IOT and Sensor Design For industry 5.0 -ATAL”(CBIT(2023) during 18-12-2023to23-12-2023</li> <li>3. Attended One Week Faculty Development Program on “Faculty Programme on NBA(2020)”, at Mumbai during 05-13-2020.</li> <li>4. Attended One Week Faculty Development Program on “Research Challenges and oppourtunities2020)”, at Andhra Pradesh conducted by sri vasavi engg college during 04-05-2020 to 09-05-2020.</li> <li>5. Attended One Week Faculty Development Program on “Outcome based education and NBA Accreditation process (2020)”, conducted by CBIT at Hyderabad during 28-05-2020 to 01.06.2020.</li> <li>6. Attended One Week Faculty Development Program on “Industrial 4.0(2020)”, conducted by Department of Mechanical Engineering In CBIT , during 16-06-2020 to20-06- 2020.</li> <li>7. Attended One Week Faculty Development Program on “Moodle learning (2020)”, conducted by IIT Bombay at Bombay during 04-05-2020 to 09-05-2020.</li> <li>8. Attended One Week Faculty Development Program on “waste management (2020)”, conducted by NITTTTR at Chandigarh during 08-06-2020 to 12-06-2020.</li> <li>9. Attended One Week Faculty Development Program on “Outcome based education A step Towards Excellence (2020)”, conducted by Government of Engg. college Karad at Maharashtra during 11-05-2020 to 15.05.2020.</li> <li>10. Attended One Week Faculty Development Program on “Introduction to data science (2020)”, conducted by Guntur Engg. college at Kakinada during 18-05-2020 to 22-05.2020.</li> <li>11. Attended One Week Faculty Development Program on” NBA - NBA(NPTEL) conducted “NPTEL”, During Jan-2020.</li> <li>12. Attended one week Faculty Development Programme on “solar and wind energy”, conducted by JNTU Anantapur during 12-11-2018 to 24-12-2018.</li> <li>13. Attended Four Days workshop on BODHI tree conducted by IIT Bombay On 23-05-2020</li> <li>14. Attended Two days workshop on “Application of mathematical modelling in manufacturing conducted by Methodist during 26-10-2018 to 27-10-2018.</li> </ol>

## Patents

1. Multi-Functional Agricultural Robot Date 01/09/2023 Design No. 394340-001
2. Development of Thrust Vector controlled rocket Date of filing of Application: 16/02/2023, Date of Publication: 17/03/2023, Application No. 202341010320 A
3. Development of Delta 3D Printer IoT Interface Date of filing of Application: 23/05/2023, Date of Publication: 01/09/2023, Application No. 202341035590 A
4. Kids Friendly Saline Intravenous, Date: 14/04/2022, Design No: 362555-001.

## Details of Journal Publications/ Conferences (National and International)

### International Journals from 2017

1. Mr.Ali,Mohd Mahaboob, chvs, Harshavardhan, Gundamalla,sai Teja, Jyothi,Bveera,Kumar L Suresh Presented paper on"Real time smart mangement .Aurdino-enhanced Trash detection and classificaitaion "Organised by Machine Intelligence Research Labs-Auburn-Washigton USA-13-14-2023.
2. Mr V. Jaipal Reddy1 , Ms V.Sandhya 1\*, Dr L Suresh Kumar 1, Mr G. Sreenivasulu Reddy2 (2021),"Experiments on the thermo-mechanical behavior of Al 319 strengthened with recycled glass", Journal of Xi'an University of Architecture & Technology", ISSN No : 1006-7930, Volume XIII, Issue 6, Page No: 470.
3. Dr. L Suresh Kumar, 2V Sandhya\*,3V Jaipal Reddy(2021)," Efficient Activated Metal Inert Gas Welding Procedures by Various Fluxes for Welding Process", Journal of Shanghai Jiaotong University," ISSN: 1007-1172", Volume 17, Issue 6, June – 2021, Page No: 11.
4. Dr.L. Suresh Kumar, Dr.K.Hari Prasad Reddy, Dr.B.Veera Jyothi, (2021)" ANALYSIS ON EMPLOYEE PERFORMANCE AND 3D PRINTING TECHNIQUE IN GARMENT INDUSTRIES", Sambodhi, ISSN: 2249-6661", Vol-44 No.-01(X).
5. Dr. Konda. Hari Prasad Reddy and, Dr.L. Suresh Kumar(2020), "Leading Better Implementation OF CRM for improving customer Satisfaction , (2020)," Journal of Edu index , ISSN:48-2020, Volume 40,Issue 02 PP. 1611-1618.
6. Dr B.Veera Jyothi and Dr Suresh Kumar(2020), "Smart security lock system with intrusion detection and facial recognition". The International Journal of computer Engineering and Applications (IJCEA),ISSN NO:2321-3469, Vol. XIV,Special Issue PP. 01-08.
7. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and Dr.P.V.R.Ravindra Reddy(2020),"Design of an FLC using Mamdani approach for the estimation of weld ductility of MIG welded AL-65032 alloy". The International Journal of computer Engineering and Applications(IJCEA), ISSN NO:2321-3469, Volume XIV , Issue I PP 01-08.
8. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and Dr.P.V.R.Ravindra Reddy ,"A Fuzzy Logic Controller for estimation of Proof stress in GMAW Process ", The International Journal of Juni Khyat (IJJK),ISSN NO:2278-4632 Volume 10,Issue 7, PP 80-86.
9. Dr. B. James Prasada Rao, Dr.L.Suresh Kumar, G Gopal and V Jaipal Reddy and Jyothirmayi(2019) "Application Of Genetic algorithm for modelling the edm parameters on machining of Aisi 4340 steel", The International Journal Of Production Technology and Management (IJPTDM), ISSN:0976-6383, Volume 10,PP 49-58.
10. Dr.L.Suresh kumar "Automated Speed Control Using Throttle Valve(2018)", The International journal of Electronic control system and control Instrumentation(IJECSC) ",Issue 1,Volume 3,PP 1-9.

### International Conferences from 2017

1. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and Dr.P.V.R.Ravindra Reddy(2020),"Design of an flc using Mamdani approach for the estimation of weld ductility of MiG welded al-65032 alloy", International E-Conference on Trends in computer Engineering and Applications(NCRTCTA-2020), Organized by Jagadhama Engineering college ,Maharashtra On 24 -05-2020.
2. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and V.Jaypal Reddy (2020),"Design and analysis of Leaf spring by using composite material", International E-Conference on Futuristic trends in Mechanical Materials and Manufacturing (ICMMM2020), Organized by St. Peter's Institute of Higher Education And Research , Chennai on 16-06- 2020.
3. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and Dr. P.V.R.Ravindra Reddy(2020),"A fuzzy logic controller for estimation of proof stress In GMAW process" International E-Conference on World of Machine

Learning and Artificial Intelligence in Digital Era ", Organized by Sakkara college of commerce, Coimbatore from 29-05-2020to 30-05-2020..

4. Dr.B. Veera Jyothi , Dr.L.Suresh Kumar, and V. Jaypal Reddy (2020). "Design and fabrication of missile wing gear box(2020)" International E-Conference on Futuristic trends in Mechanical Materials and Manufacturing (ICMMM2020), Organized by St. Peter's Institute of Higher Education And Research , Chennai on 16-06- 2020.
5. Dr.L.Suresh kumar(2018)," Design and Construction of automatic car jack with spur gear mechanism" International conference on latest trends in new Era Of Engineering(IAR),Organized by IAR, Hyderabad, on . 25-03-2018.



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