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Patent Search

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Inventor

Name	Address
Mr.T R Arunkumar	Assistant Professor, Department of Computer Science, Rani Channamma University, Bhutaramanahatti, Karnataka Belagavi Pi 156 Karnataka India
Mr. Vallabi.Jayanth	Student Btech, CSE Branch KL University, Vaddeswaram, Guntur Pin: 522502 Andhra Pradesh India
Dr. Pallavi Prasad Jamsandekar	Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administration, Sar Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
U SOMA NAIDU	Assistant professor Institute of Aeronautical Engineering Ranga reddy Pin: 500043 Telangana India
Mr. Arnab Kar	Student Jorhat Institute of Science and Technology, Sotai, Jorhat Pin:785010 Assam India
Dr. Manisha Prashant Pawar	Assistant Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administ Sangli, Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
Dr. Amarja Satish Nargunde	Associate Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administ Sangli, Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
Dr Neeraj Kumar Sharma	Professor and Director Harlal Institute of Management and Technology, 08 Knowledge Park 1, Greater Noida Pin: 201310 Uttara Pradesh India
Dr.Rupa Zabulal Gupta	Assistant Professor Smt.Radhadevi Goenka College for Women Akola. Murtizapur Road,opp. Nehru Park,Shastri Nagar, AKOLA Pin:444001 Maharashtra India
Kumar S.D	Assistant Professor SRM Institute of Science and Technology, Ramapuram campus Chennai Thiruvallur Pin:600089 Tamilnadu
Dr. Harikumar Pallathadka	Director and Professor Manipur International University, Ghari, Imphal, Imphal West, Pin: 795140 District : Imphal Manipur Inc

Applicant

Name	Address
Mr.T R Arunkumar	Assistant Professor, Department of Computer Science, Rani Channamma University, Bhutaramanahatti, Karnataka Belagavi Pin: 156 Karnataka India
Mr. Vallabi.Jayanth	Student Btech, CSE Branch KL University, Vaddeswaram, Guntur Pin: 522502 Andhra Pradesh India
Dr. Pallavi Prasad Jamsandekar	Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administration, Sar Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
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Mr. Arnab Kar	Student Jorhat Institute of Science and Technology, Sotai, Jorhat Pin:785010 Assam India
Dr. Manisha Prashant Pawar	Assistant Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administration, Sangli, Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
Dr. Amarja Satish Nargunde	Associate Professor Bharati Vidyapeeth (Deemed to be University), Institute of Management and Rural Development Administration, Sangli, Bharati Vidyapeeth Bhavan, Sangli Pin: 416416 Maharashtra India
Dr Neeraj Kumar Sharma	Professor and Director Harlal Institute of Management and Technology, 08 Knowledge Park 1, Greater Noida Pin: 201310 Uttar Pradesh India
Dr.Rupa Zabulal Gupta	Assistant Professor Smt.Radhadevi Goenka College for Women Akola. Murtizapur Road,opp. Nehru Park,Shastri Nagar, AKOLA Pin:444001 Maharashtra India
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Dr. Harikumar Pallathadka	Director and Professor Manipur International University, Ghari, Imphal, Imphal West, Pin: 795140 District : Imphal Manipur India

Abstract:

Industry 4.0 tools can be used as a model for digital human resource management, which will help operations run better. The most current Revolution is known as Industry 4.0. It is primarily based on networked systems, robots, artificial intelligence (AI), and real-time data. Organizations can access a more reliable and connected environment by utilising Industry 4.0, which includes the Industrial Internet of Things (IIoT) and supply chain management. Traditional industrial and business activities are combined with new digital technology, machine learning, and vast amounts of data in real time. The Internet of Things, Big Data, and artificial intelligence are enabling the automation of the great majority of HR operations. This improves and efficiency. The shift from traditional HR to HR 4.0 is being driven by more sophisticated technology. HR 4.0 (Human Resources in the Fourth Industrial Revolution), often known as the fourth major industrial revolution. There are fewer jobs that require human labour as a result of increased automation use. If Industry 4.0 represents a substantial shift in how businesses perceive manufacturing, then data sharing between systems is a considerable shift in the speed and accuracy with which managers make personnel decisions. Even if the world drastically changes in the next five years, HR 4.0 will automate the vast majority of HR tasks. HR 4.0 is a watershed moment in the human resources (HR) industry. As a result of this transformation, the focus is on manual, bureaucratic, and repetitive tasks and more on strategic challenges. This fresh way of doing things is different from the norm.

Complete Specification

Description:DESCRIPTIONS

Industry 4.0, sometimes known as the Fourth Industrial Revolution, is significantly changing how businesses make and deliver items to customers. Implementing new technologies into their manufacturing processes, such as the Internet of Things (IoT), cloud computing and analytics, artificial intelligence, and machine learning. In these "smart factories," modern sensors, built-in software, and robotics work together to collect data, analyse it, and make better decisions. ERP, supply chain, customer service, and other enterprise system operational data are merged to provide previously impossible levels of efficiency. As a result, the value increases even more. With these technological improvements, it is now possible to automate additional procedures, do predictive maintenance, optimise processes autonomously, and provide clients with a whole new level of efficiency and responsiveness. The manufacturing industry is on the cusp of a new industrial revolution, and smart factory technology offers us a fantastic opportunity to capitalise on this moment. Industrial assets may be viewed in a new light. Huge amounts of big data generated by sensors on the factory floor, and predictive maintenance solutions can be made available. Smart factories using the Internet of Things (IoT) technologies can create more and better items. Artificial intelligence (AI)-driven visual insights provide a cost-effective and efficient alternative to traditional human inspection procedures. The quality assurance team may watch the production process from practically any place by creating a real-time connection to the cloud. The incorporation of machine learning algorithms into manufacturing processes can help businesses spot problems before they occur, reducing downtime. Industry 4.0 refers to a set of ideas and technologies that can help discrete and process manufacturers, as well as the oil and gas, mining, and other sectors. Industry 4.0 is the most recent phase of the ongoing industrial revolution. With the Internet of Things (IoT), real-time data, and the deployment of advanced systems, Industry 4.0 elevates the previous decades' emphasis on digital technology to a whole new level. Manufacturers can now take a more comprehensive approach to their operations.

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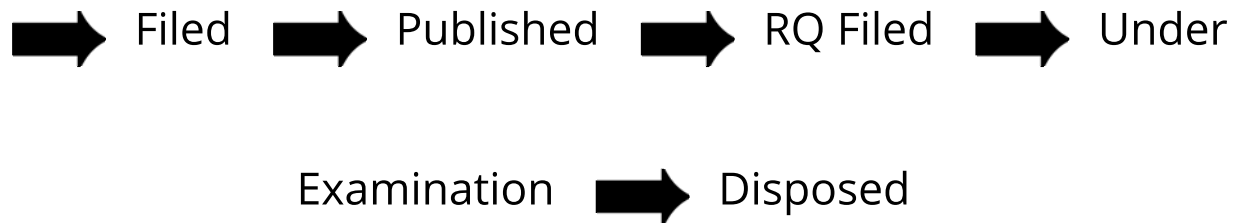
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APPLICANT NAME	1 . Mr.T R Arunkumar 2 . Mr. Vallabi.Jayanth 3 . Dr. Pallavi Prasad Jamsandekar 4 . U SOMA NAIDU 5 . Mr. Arnab Kar 6 . Dr. Manisha Prashant Pawar 7 . Dr. Amarja Satish Nargunde 8 . Dr Neeraj Kumar Sharma 9 . Dr.Rupa Zabulal Gupta 10 . Kumar S.D 11 . Dr. Harikumar Pallathadka
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E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	iprpatent2022@gmail.com
E-MAIL (UPDATED Online)	
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