

Bharat Forge unveils worker safety solution

OUR BUREAU

Pune, July 8

Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched Health Risk Monitoring System (HRMS), an AI-based solution that enables companies and institutions to comply with government-provided guidelines for safe reopening.

HRMS is an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance with Ministry of Home Affairs policies, the company stated in a press release.

Alerts sent to admins

The integrated system comprising AI, thermal scanning through cameras, and RFID readers records the temperature of associates, and also maintains an automatic daily

record of the temperature of every person entering and exiting the premises.

It also has AI algorithms running on surveillance CCTV cameras to monitor and control human behaviour. Using AI software, the system alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise.

HRMS is ideal for being deployed in high-footfall areas such as educational campuses, hospitals, gated communities, retail stores, railway stations, airports, and transit points to monitor individual and societal health.

Speaking at the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd, said, "We have inducted AI and technological intervention



Baba N Kalyani, Chairman, Bharat Forge

to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees".

Rajinder Singh Bhatia, President and CEO, Bharat Forge Ltd (Defence and Aerospace), said: "HRMS has been born from our investment in AI Incubation Centre, which commenced last year. In partner-

ship with Blackstraw, we are creating several real-world applications of AI software, both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilised in critical times to help society at large". He said the company intends to make this system available widely across sectors – from educational institutes to enterprises – and help the community to be back on track during the re-opening of services.

Atul Arya, CEO at Blackstraw, said: "The partnership with Bharat Forge has led to the development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform will not only safeguard companies and their employees but will also help reinstate confidence and normality."

BHARAT FORGE LAUNCHES HEALTH RISK TRACKER

MICHAEL GONSALVES

PUNE, JULY 8

Auto components major Bharat Forge on Wednesday said it has introduced health risk monitoring system (HRMS), which enables companies and institutions to comply with government-provided guidelines for safe reopening, in collaboration with artificial intelligence startup Blackstraw.

HRMS consists of two major components: A contactless thermal screening system integrated with RFID badge reader; and AI algorithms running on surveillance CCTV cameras to monitor and control human behavior.

The Pune-based firm says the contactless thermal screening system with RFID badge reader records the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises. The AI (artificial intelligence) algorithms running on surveillance cameras alerts administrators and provides them a dashboard when distancing norms are not met or the like.

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कर्मचाऱ्यांच्या सुरक्षित वावरासाठी यंत्रणा

लोकसत्ता प्रतिनिधी

पुणे : कामाच्या ठिकाणी कर्मचाऱ्यांमध्ये सुरक्षित अंतर राखून कोरोनाला प्रतिबंध व्हावा, या उद्देशाने भारत फोर्जने कृत्रिम बुद्धिमत्तेवर आधारित यंत्रणा विकसित केेली आहे. हेल्थ रिस्क मॉनिटरिंग सिस्टिम असे या यंत्रणेचे नाव आहे. टाळेबंदीचे नियम शिथिल झाल्यानंतर कर्मचारी पुन्हा कामावर रुजू झाल्यानंतर सुरक्षित अंतराचा नियम पाळण्यात यावा, यासाठी हे तंत्रज्ञान विकसित करण्यात आले आहे.

ब्लॅकस्ट्रीट या नवउद्योगाच्या सहाकायातून भारतफोर्जने ही यंत्रणा विकसित केेली आहे. कृत्रिम बुद्धिमत्तेचा वापर करून सदर यंत्रणा वापरणाऱ्या ठिकाणी कर्मचारी कोरोना प्रतिबंधात्मक नियमांचे पालन करतात किंवा नाही याची देखरेख ठेवणे शक्य होणार आहे. कंपनीच्या आवारात वावरणाऱ्या सर्व कर्मचाऱ्यांचे शरीराचे तापमान मोजून त्याची नोंद ठेवण्याची सुविधा उपलब्ध करून देण्यात आली आहे. कर्मचाऱ्यांकडून प्रतिबंधात्मक

नियमांचे उल्लंघन होत असल्यास त्याची तत्काळ माहिती किंवा सूचना करणे या यंत्रणेच्या वापरामुळे शक्य आहे. त्यामुळे कंपनी देखील कर्मचारी विषयक धोरण ठरवू शकतील, असे भारत फोर्जतर्फे सांगण्यात आले आहे. पुण्यातील कल्याणी स्कूल आणि भारत फोर्जचे देशातील सर्व कारखाने या यंत्रणेचा वापर करत आहेत. शैक्षणिक संस्था, रुग्णालये, बंदीस्त आवारे, दुकाने, रेल्वे स्थानके, विमानतळ अशा अतिरिक्त वर्दळीच्या ठिकाणी ही यंत्रणा वापरणे उपयुक्त ठरणार आहे.

भारत फोर्जचे अध्यक्ष आणि व्यवस्थापकीय संचालक बाबा कल्याणी म्हणाले, कोरोना संसर्गाच्या कालावधीत सुरक्षित अंतर राखून वावर ही अत्यंत महत्त्वाची बाब ठरली आहे. त्यासाठी तंत्रज्ञान आणि कृत्रिम बुद्धिमत्तेचा वापर करून ही यंत्रणा विकसित करण्यात आली आहे. सुरक्षित वावराचे सर्व निकष मानवी हस्तक्षेपाशिवाय अमलात आणणे या तंत्रज्ञानाच्या मदतीने शक्य होणार आहे.

कंपन्यांत संसर्गविरहित वातावरणासाठी यंत्रणा

मुंबई, दि.८ - लॉकडाऊन अंशतः शिथिल केल्यानंतर गृहमंत्रालयाने जारी केलेल्या मार्गदर्शक सूचनांनुसार कंपन्यांतील कामकाज सुरू झाले आहे. त्या सूचनांची अंमलबजावणी करण्याच्या दृष्टिकोनातून आवश्यक ती उपकरणे आणि यंत्रणा काही कंपन्या विकसित करीत आहेत.

भारत फोर्ज या कंपनीने कृत्रिम बुद्धिमत्तेचा वापर करून हेल्थ मॉनिटरिंग सिस्टिम विकसित केली आहे. याकरिता या कंपनीने ब्लॅक स्ट्रॉ या स्टार्टअपचे सहकार्य घेतले आहे. या यंत्रणेत संपर्कविरहित पद्धतीने तापमान आणि बॅज नोंदणी करण्यात येते. सीसीटीव्हीवर जी माहिती उपलब्ध होते, त्या माहितीचे विश्लेषण करून ती

सीसीटीव्हीवरील माहितीचे कृत्रिम बुद्धिमत्तेद्वारा विश्लेषण

माहिती फलकावर दाखविली जाते. यामुळे मानवी हस्तक्षेप न होता सुरक्षिततेची काळजी घेता येते, असे कंपनीचे अध्यक्ष बाबा कल्याणी यांनी म्हटले आहे.

एबीबी या बहुराष्ट्रीय कंपनीने सध्याच्या परिस्थितीत उपयोगी पडतील असे स्वीचेस व सॅक्टस तयार केली आहेत. या ठिकाणी बॅक्टेरिया निर्माण होत नाहीत. त्यामुळे कंपन्यांमध्ये अशी उपकरणे वापरल्यास संसर्ग वाढत नाही, असे कंपनीने म्हटले आहे.

भारत फोर्ज ने लांच किया हेल्थ रिस्क मॉनिटरिंग सिस्टम

नवभारत संवाददाता

पुणे. भारतीय बहुराष्ट्रीय कंपनी, भारत फोर्ज (बीएफएल) ने एआई स्टार्ट-अप, ब्लैकस्ट्री के साथ मिलकर एचआरएमएस लॉन्च किया है. एचआरएमएस, एआई-आधारित एक समाधान है जो कंपनियों व संस्थाओं को फिर से खोलने के लिए एमएचए द्वारा प्रदत्त दिशानिर्देशों के पालन में सक्षम बनाता है. एचआरएमएस का अर्थ है, हेल्थ रिस्क मॉनिटरिंग सिस्टम, जो कि एक इंटेलिजेंट वीडियो एनालिटिक्स समाधान है, जिसे संपूर्ण विकास हेतु कार्यस्थल पर कार्यबलों की सुरक्षा सुनिश्चित करने हेतु विकसित किया गया है. यह एमएचए द्वारा लागू की गयी नीतियों का कर्मचारियों द्वारा पालन की निगरानी हेतु तकनीक व एआई पर उद्यमों की भावी निर्भरता के अनकल है.

कार्यस्थल पर सुरक्षित वापसी को सक्षम बनाने वाला एआई प्लेटफॉर्म



■ इसमें प्राथमिक रूप से दो प्रमुख घटक शामिल हैं. एक है आरएफआईडी बैज रीडर में लगा कॉन्टैक्टलेस थर्मल स्क्रीनिंग सिस्टम. एआई, कैमरा के जरिए थर्मल स्क्रीनिंग और आरएफआईडी युक्त, यह एकीकृत सिस्टम एसोसिएट्स के तापमान को बेजोड़ सटीकता के साथ काफी तेजी से रिकॉर्ड करता है, और यह कार्यस्थल पर आने-जाने वाले हर व्यक्ति के तापमान का दैनिक रिकॉर्ड स्वतः बनाये रखता है. दूसरा है मानव व्यवहार की निगरानी व नियंत्रण हेतु सर्विलांस सीसीटीवी कैमरों पर चलता है एआई अल्गोरिथ्म. उत्कृष्ट एआई सिस्टम का प्रयोग कर, यह सिस्टम कर्मचारियों द्वारा सोशल डिस्टेंसिंग मानकों का पालन न किये जाने या फेस मास्क न पहने होने की स्थिति में प्रशासकों को सतर्क करता है और उनके सामने डैशबोर्ड उपलब्ध कराता है. फिर, इन चेतावनियों व डैशबोर्ड की समीक्षा की जाती है ताकि पूरे उद्यम में टिकाऊ तरीके से व्यवहार में बदलाव लाया जा सके.

सुरक्षा मानक हुए कठोर

■ एचआरएमएस, हाई-फुटफॉल वाली जगहों जैसे शिक्षण संस्थाओं के परिसर, अस्पताल, फाटक वाली सोसायटीज, रिटेल स्टोर्स, रेलवे स्टेशंस, हवाई अड्डों व ट्रान्जिट पॉइंट्स पर लगाये जाने के लिए उपयुक्त है, ताकि यह व्यवस्थित व सामाजिक स्वास्थ्य पर नजर रख सके. वर्तमान में, कल्याणी स्कूल, पुणे और पूरे भारत में बीएफएल के सभी महत्वपूर्ण संयंत्रों में एचआरएमएस लगाया जा रहा है। बीएफएल द्वारा सुरक्षा से जुड़े कई कदम उठाये जाने के बाद इसके निर्माण संयंत्र आंशिक रूप से चालू हुए हैं. इसने कोविड-19 संक्रमण के प्रकोप को रोकने में सहायता हेतु एक महत्वपूर्ण उपकरण के रूप में एचआरएमएस को शामिल किया है, और इस प्रकार अपने संयंत्रों में आने-जाने वाले अपने हजारों कर्मचारियों के लिए सुरक्षित परिवेश कायम किया है. लॉन्च के बारे में, भारत फोर्ज लिमिटेड के चेयरमैन व प्रबंध निदेशक, बाबा कल्याणी ने कहा, "भारत फोर्ज में, सुरक्षा को हमेशा से प्राथमिकता दी जाती रही है. अब इस महमारी के चलते, सुरक्षा के मानक और भी कठोर हो गये हैं, और ऐसा होना सही है.

■ हमने लोगों की सुरक्षा को और अधिक सुनिश्चित करते हुए आर्टिफिशियल इंटेलिजेंस एवं तकनीकी उपायों को प्रयोग में लाया है, ताकि ऐसे वातावरण का निर्माण कर सके जिसमें लोग निश्चित रहे और विकास को बढ़ावा मिले. हमने मानवीय हस्तक्षेप को कम करने और सुरक्षा मानदंडों के पालन पर प्रभावी तरीके से नजर रखने के लिए एचआरएमएस विकसित किया है.

‘भारत फोर्ज’ तर्फे ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) सादर

पुणे : टाळेबंदी शिथिल होत असतानाच्या सध्याच्या काळात कंपन्यांना व संस्थांना केंद्रिय गृह मंत्रालयाने दिलेल्या सुक्षेविषयीचे नियम पाळणे शक्य व्हावे, याकरीता कृत्रिम बुद्धिमत्तेवर (आर्टिफिशिअल इंटेलिजन्स - एआय) आधारित व्यवसाय करणाऱ्या ‘वर्ल्कस्ट्रू’ या स्टार्टअप कंपनीच्या सहकार्याने भारत फोर्ज लि. (बीएफएल) या भारतीय बहुराष्ट्रीय कंपनीने ‘एचआरएमएस’ हे सोल्युशन सादर केले आहे. ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) ही व्हिडिओच्या माध्यमातून विश्लेषण करणारी बुद्धिमत्तम स्वरूपाची यंत्रणा आहे. तंत्रज्ञान व एआय यांच्यावर भविष्यात अवलंबून राहू शकणाऱ्या कंपन्यांमधील कामगारांनी केंद्रिय गृह खात्याच्या नियमांचे पालन करावे, अशी तजवीज या यंत्रणेमध्ये करण्यात आली आहे.

‘एचआरएमएस’ची दोन प्रमुख वैशिष्ट्ये आहेत .. अ) संपर्कविहीन पद्धतीने तपमान मोजणी व ‘आरएफआयडी बॅज’ची नोंदणी यांची एकात्मिक यंत्रणा - कृत्रिम बुद्धिमत्ता (एआय), कॅमेऱ्यांमधून तपमानाची मोजणी व ‘रेडिओ फ्रिक्वेंसी’ युक्त ओळखपत्र (आरएफआयडी) या सर्व तंत्रज्ञानांनी युक्त अशी ही यंत्रणा आहे. कंपनीच्या आवारातून ये-जा करणाऱ्या सर्व व्यक्तींचे शारीरिक तपमान मोजून त्यांची स्वयंचलित पद्धतीने

दैनंदिन नोंद या यंत्रणेत ठेवली जाते.

ब) ‘एआय अल्गोरिदम’च्या तंत्रज्ञानावर आधारित सीसीटीव्ही कॅमेरांच्या माध्यमातून कंपनीच्या आवारातील व्यक्तींच्या हाल-चालींची नोंद करणे व देखरेख ठेवणे - कंपनीच्या आवारातील कर्मचारी शारीरिक अंतर राखण्याच्या किंवा फेस मास्क लावण्याच्या नियमांचे उल्लंघन करीत असतील, तर त्यांची नोंद घेऊन त्यासंबंधीची सूचना प्रशासकांना देणे आणि फलकांवर झळकवणे हे काम अत्याधुनिक ‘एआय’ तंत्रज्ञानाने युक्त अशी ही यंत्रणा करते. या सूचनांची देखल घेऊन कर्मचाऱ्यांविषयीचे धोरण प्रशासनाला ठरविता येते.

शैक्षणिक संस्था, रुग्णालये, रहिवाशांची बंदिस्त आवारे, स्टेल दुकाने, रेल्वे स्थानके, विमानतळ आणि येण्या-जाण्याचे मार्ग अशा लोकांची चढंढ जास्त असणाऱ्या ठिकाणी ‘एचआरएमएस’ ही यंत्रणा विशेष उपयुक्त आहे. सध्या पुण्यातील ‘द कल्याणी स्कूल’ आणि देशभरातील भारत फोर्ज कंपनीचे कासखाने या ठिकाणी ‘एचआरएमएस’ बसविण्यात आले आहे. ‘भारत फोर्ज’च्या कारखान्यांमध्ये सध्या अंशकालीन कामकाज सुरू असून तेथे सुरक्षिततेच्या सर्व निकषांचे काटेकोर पालन करण्यात येत आहे. ‘कोविड-१९’च्या उद्रेकाच्या पार्श्वभूमीवर या

सुरक्षिततेसाठी एचआरएमएस हे उत्तम साधन ठरले आहे. त्यातून या कारखान्यांमधील हजारो कामगारांची येत-जातानाची संपूर्ण काळजी घेतली जात आहे.

‘एचआरएमएस’ ही अतिशय विकसित अशी यंत्रणा शाळा व कंपन्या यांच्या आवारात बसविण्यात यावी, असे कंपनीचे प्रयत्न सुरू आहेत; जेणेकरून या संस्थांना सध्याच्या आव्हानात्मक काळात आपले कामकाज सुरक्षितपणे चालू कसा येईल.

‘एचआरएमएस’च्या सादरीकरणाच्या प्रसंगी भारत फोर्ज लि.चे अध्यक्ष व व्यवस्थापकीय संचालक बाबा कल्याणी म्हणाले, “भारत फोर्जमध्ये आम्ही सुरक्षिततेला सर्वाधिक महत्त्व देतो. ‘कोविड-१९’ साथीच्या काळात तर ही सुरक्षितता अधिकच महत्त्वाचे ठरली आहे. आम्ही चिंतामुक्त आणि वाढीस चालना देणारे वातावरण तयार करून लोकांच्या आरोग्यासाठी आणखी सुरक्षितता निर्माण करण्याकरीता कृत्रिम बुद्धिमत्ता आणि तंत्रज्ञान यांचा उपयोग केला आहे. सुरक्षिततेच्या निकषांची प्रभावी अंमलबजावणी करण्यासाठी आम्ही मानवी हस्तक्षेप होणार नाही, अशा स्वरूपाची ‘एचआरएमएस’ यंत्रणा विकसित केली आहे. या आमच्या तांत्रिक उपक्रमाने कर्मचार्यांना जास्तीत जास्त सुरक्षितता दिली जात आहे.

ભારત ફોર્જની હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ લોન્ચ

નવી દિલ્હી: અગ્રણી ઓટો ઉપકરણ ઉત્પાદક ભારત ફોર્જ લિમિટેડે બુધવારે જણાવ્યું હતું કે તેણે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ શરૂ કરી છે. તેના લીધે કંપનીઓ અને સંસ્થાઓ સલામત રીતે કામગીરી શરૂ કરવા ગૃહમંત્રાલયની માર્ગદર્શિકાઓનું આર્ટિફિશિયલ ઇન્ટેલિજન્સ સ્ટાર્ટઅપ બ્લેકસ્ટ્રોના સહયોગથી પાલન કરી શકશે. HRMS મુખ્યત્વે બે હિસ્સાની બનેલી છે. તેમાં કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમને RFID બેઝડ રીડર અને સર્વેલન્સ CCTV કેમેરાને AI અલ્ગોરિધમ સાથે જોડવામાં આવે છે. કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમની સાથે RFID બેઝ રીડર હાઈ સ્પીડ અને અત્યંત ચોકસાઈથી લોકોનું તાપમાન નોંધે છે. તે સંકુલમાં પ્રવેશતા અને બહાર નીકળતા દરેક જણનું તાપમાન દૈનિક ધોરણે આપોઆપ નોંધે છે. બીજી બાજુએ CCTV કેમેરાથી ચાલતું AI (આર્ટિફિશિયલ ઇન્ટેલિજન્સ) અલ્ગોરિધમ વહીવટકર્તાઓને સાવધ કરે છે અને ડેશબોર્ડ પૂરું પાડે છે જ્યાં કર્મચારીઓ દ્વારા સોશિયલ ડિસ્ટન્સિંગના નિયમોનું પાલન ન થવું, માસ્ક ન પહેરવો વગેરેનું ધ્યાન દોરે છે.

ભારત ફોર્જ કોવિડ માટે આરોગ્યની દેખભાળ માટેની સિસ્ટમ લોન્ચ કરી

પીટીઆઈ

નવી દિલ્હી, તા. ૮

ઓટો કોમ્પોનન્ટ શ્રેણીની વિશાળ કંપની ભારત ફોર્જ લિમિટેડે જણાવ્યું હતું કે, તેણે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ (એચઆરએમએસ) લોન્ચ કરી છે, જે ગૃહ મંત્રાલયની માર્ગદર્શિકા અનુસાર આર્ટિફિશિયલ ઇન્ટેલિજન્સ સ્ટાર્ટઅપ બ્લેકસ્ટ્રો સાથે ભાગીદારીમાં કંપનીઓ અને સંસ્થાઓને નિયમ પાલન કરી સલામત કામકાજની શરૂઆત કરવા માટે મદદરૂપ થાય છે. એચઆરએમએસ સામાન્ય

રીતે બે મોટા પૂર્ણમાંથી બને છે, જેમાં આરએફઆઈડી બેજ રીડર સાથેની કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમ અને એઆઈ અલ્ગોરિથમ સાથેના સીસીટીવી કેમેરા દ્વારા મનુષ્યના હાવભાવની દેખરેખ રાખવામાં આવે છે. કંપનીએ જણાવ્યું હતું કે, જે લોકો જે તે સ્થળમાં પ્રવેશે અથવા બહાર નીકળે તેને માટે આરએફઆઈડી બેજ રીડર સાથેના કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ લોકોનું તાપમાન ખૂબ જ ચોકસાઈથી અને ઝડપથી માપે છે અને

તાપમાનનો દૈનિક રેકૉર્ડ પણ રાખે છે. બીજી બાજુ, એઆઈ અલ્ગોરિથમ સાથેના સીસીટીવી કેમેરા તુરંત જ વહીવટી અધિકારીને જાણકારી આપે છે અને સોશિયલ ડિસ્ટન્સિંગ નિયમો પ્રમાણે ડેશબોર્ડ પર માહિતી પૂરી પાડે છે. આ જાણકારી અને ડેશબોર્ડને દરરોજ લોકોના હાવભાવમાં બદલાવ સાથે બદલવામાં આવે છે. ભારત ફોર્જ લિમિટેડના ચેરમેન અને મેનેજિંગ ડાયરેક્ટર બાબા કલ્યાણીએ જણાવ્યું હતું કે, સલામતીના

નિયમોનું પાલન આ મહામારી સાથે ખૂબ જ મહત્વનું બન્યું છે. હાલમાં, આ મશિન પુનાની કલ્યાણી સ્કુલમાં અને કંપનીના દરેક પ્લાન્ટમાં મૂકવામાં આવ્યા છે. ભારત ફોર્જ લિમિટેડે કેટલાક સલામતીના પગલા સાથે ઉત્પાદન એકમોમાં કામકાજ શરૂ કર્યા છે. તેણે કોવિડ-૧૯ના ચેપને ફેલાતો રોકવા માટે એચઆરએમએસ મશિનો મૂક્યા છે આથી હજારો કર્મચારીઓ માટે એક સલામત વાતાવરણ ઊભું થાય છે.

भारत फोर्ज ने कंपनियों के लिए कोविड- 19 मानकों के तहत स्वास्थ्य जोखिम निगरानी प्रणाली जारी की

नई दिल्ली, (भाषा)। वाहन कलपुर्जे बनाने वाली कंपनी भारत फोर्ज लिमिटेड (बीएफएल) ने बुधवार को कहा कि उसने कंपनियों के लिए स्वास्थ्य जोखिम निगरानी प्रणाली (एचआरएमएस) जारी की है। यह प्रणाली उसने कृत्रिम मेधा क्षेत्र के स्टार्टअप ब्लेकस्ट्रा के साथ मिलकर विकसित की है।

इससे कंपनियों और संस्थानों को अपना काम फिर से सुरक्षित तरीके से गृह मंत्रालय के दिशानिर्देशों के अनुरूप शुरू करने में मदद मिलेगी। कंपनी की यहां जारी विज्ञप्ति में कहा गया है कि स्वास्थ्य जोखिम निगरानी

प्रणाली (एचआरएमएस) के तहत दो मुख्य हिस्से हैं। इसमें संपर्क रहित थर्मल स्क्रीनिंग प्रणाली है जो कि आरएफआईडी बैज रीडर और कृत्रिम मेधा से जुड़े सीसीटीवी कैमरों की निगरानी प्रणाली है। इससे मानव व्यवहार की निगरानी और नियंत्रण हो सकेगा। आरएफआईडी बैज रीडर के साथ संपर्क रहित थर्मल स्क्रीनिंग के जरिये सहयोगियों के शरीर के तापमान को तेजी के साथ और सही पैमाने पर माप लिया जाता है। इसके साथ ही परिसर में प्रवेश करने वाले और उपस्थित व्यक्तियों के तापमान का दैनिक रिकार्ड को

भी यह स्वतः तैयार करता है। कारखाने में यदि किसी कर्मचारी ने मास्क नहीं पहना है अथवा शारीरिक दूरी का पालन नहीं किया जा रहा है तो उस मामले में सीसीटीवी कैमरे से जुड़े कृत्रिम मेधा उपकरण प्रबंधन को सतर्क कर देते हैं और उन्हें स्थिति से अवगत करा देता है।

इससे संस्थान अथवा कारखाने में कर्मचारियों के व्यवहार पर बखूबी नजर रखी जा सकती है। भारत फोर्ज लिमिटेड के चेयरमैन और प्रबंध निदेशक बाबा कल्याणी ने कहा कि इस महामारी के साथ सुरक्षा नियम अधिक कड़े हो गये हैं।

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ (HRMS) લોચ કરી

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (BFL)એ AI સ્ટાર્ટ-અપ બ્લેકસ્ટ્રો સાથે જોડાણમાં AI આધારિત સિસ્ટમ HRMS લોચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. HRMS એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઇન્ટેલિજન્ટ વીડિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર

ભવિષ્યની નિર્ભરતા અને AIને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે.

એની સાથે મુખ્યત્વે બે પાસાં સંકળાયેલા છે: (a) RFID બેજ રીડર સાથે ઇન્ટિગ્રેટેડ કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમ. આ AI, કેમેરા દ્વારા થર્મલ સ્ક્રીનિંગ અને RFID રીડર ધરાવતી ઇન્ટિગ્રેટેડ સિસ્ટમ છે, જે અતિ ઝડપથી, અતિ સચોટતાપૂર્વક એસોસિએટ્સના તાપમાનને રેકૉર્ડ કરે છે તથા સંકુલમાં પ્રવેશ કરતી અને બહાર નીકળતી દરેક વ્યક્તિના તાપમાનનો ડેઇલી રેકૉર્ડ ઓટોમેટિક રાખે છે.

भारत फोर्ज ने हेल्थ रिस्क मॉनिटरिंग सिस्टम लॉन्च किया

भारतीय बहुराष्ट्रीय कंपनी, भारत फोर्ज लिमिटेड (बीएफएल) ने एआई स्टार्ट-अप, ब्लैकस्ट्रॉ के साथ मिलकर एचआरएमएस लॉन्च किया है। एचआरएमएस, एआई-आधारित एक समाधान है जो कंपनियों व संस्थाओं को फिर से खोलने के लिए एमएचए द्वारा प्रदत्त दिशानिर्देशों के पालन में सक्षम बनाता है। एचआरएमएस का अर्थ है, हेल्थ रिस्क मॉनिटरिंग सिस्टम, जो कि एक इंटीलिजेंट वीडियो एनालिटिक्स समाधान है, जिसे संपूर्ण विकास हेतु कार्यस्थल पर कार्यबलों की सुरक्षा सुनिश्चित करने हेतु विकसित किया गया है। यह एमएचए द्वारा लागू की गयी नीतियों का कर्मचारियों द्वारा पालन की निगरानी हेतु तकनीक व एआई पर उद्यमों की भावी निर्भरता के अनुकूल है। आरएफआईडी बैज रीडर में लगा कॉन्टैक्टलेस थर्मल स्क्रीनिंग सिस्टम। एआई, कैमरा के जरिए थर्मल स्कैनिंग और आरएफआईडी युक्त, यह एकीकृत सिस्टम एसोसिएट्स के तापमान को बेजोड़ सटीकता के साथ काफी तेजी से रिकॉर्ड करता है, और यह कार्यस्थल पर आने-जाने वाले हर व्यक्ति के तापमान का दैनिक रिकॉर्ड स्वतः बनाये रखता है। मानव व्यवहार की निगरानी व नियंत्रण हेतु सर्विलांस सीसीटीवी कैमरों पर चलता है एआई अल्गोरिथ्म। उत्कृष्ट एआई सिस्टम का प्रयोग कर, यह सिस्टम कर्मचारियों द्वारा सोशल डिस्टेंसिंग मानकों का पालन न किये जाने या फेस मास्क न पहने होने की स्थिति में प्रशासकों को सतर्क करता है और उनके सामने डैशबोर्ड उपलब्ध कराता है। फिर, इन चेतावनियों व डैशबोर्ड्स की समीक्षा की जाती है ताकि पूरे उद्यम में टिकाऊ तरीके से व्यवहार में बदलाव लाया जा सके।

કંપની સમાચાર

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ (HRMS) લોન્ચ કરી

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (BFL)એ AI સ્ટાર્ટ-અપ બ્લેક્સ્ટ્રો સાથે જોડાણમાં AI આધારિત સિસ્ટમ HRMS લોન્ચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. HRMS એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઇન્ટેલિજન્ટ વીડિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર ભવિષ્યની નિર્ભરતા અને AIને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે. એની સાથે મુખ્યત્વે બે પાસાં સંકળાયેલા છે: (a) RFID બેજ રીડર સાથે ઇન્ટિગ્રેટેડ કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમ. આ AI, કેમેરા દ્વારા થર્મલ સ્ક્રીનિંગ અને RFID રીડર ધરાવતી ઇન્ટિગ્રેટેડ સિસ્ટમ છે, જે અતિ ઝડપથી, અતિ સચોટતાપૂર્વક એસોસિએટ્સના તાપમાનને રેકૉર્ડ કરે છે.

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ લોચ કરી

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (BFL)એ AI સ્ટાર્ટ-અપ બ્લેક્સ્ટ્રો સાથે જોડાણમાં AI આધારિત સિસ્ટમ HRMS લોચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. HRMS એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઈન્ટેલિજન્ટ વીડિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર ભવિષ્યની નિર્ભરતા અને AIને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે. HRMS શૈક્ષણિક સંકુલો, હોસ્પિટલો, ગેટેડ કમ્યુનિટીઝ, રિટેલ સ્ટોર્સ, રેલવે સ્ટેશનો, એરપોર્ટ અને અવરજવરના પોઈન્ટ જેવા વધારે અવરજવર ધરાવતા વિસ્તારોમાં

વ્યક્તિગત અને સામુદાયિક સ્વાસ્થ્ય પર નજર રાખવા સ્થાપિત કરવા આદર્શ સિસ્ટમ છે.

ભારત ફોર્જ લિમિટેડના ચેરમેન અને મેનેજિંગ ડાયરેક્ટર બાબા કલ્યાણીએ કહ્યું હતું કે, “ભારત ફોર્જમાં હંમેશા સલામતીને પ્રાથમિકતા આપવામાં આવે છે. અત્યારે આરોગ્યાળામાં સલામતીના નિયમો વધારે કડક બનાવવામાં આવ્યાં છે અને એ ઉચિત છે. અમે લોકોનાં સ્વાસ્થ્યને સલામતી પૂરી પાડવા આર્ટિફિશિયલ ઈન્ટેલિજન્સ અને ટેકનોલોજીકલ હસ્તક્ષેપ કર્યો છે તથા આ રીતે લોકોને ચિંતામુક્ત રીતે કામ કરવાનું વાતાવરણ ઊભું કર્યું છે. પરિણામે વૃદ્ધિને વેગ મળશે. અમે માનવીય હસ્તક્ષેપ ઘટાડવા HRMS વિકસાવી છે અને સલામતીના નિયમો પર અસરકારક નિયંત્રણ જાળવીશું. આ ટેકનોલોજીકલ અભિગમથી કર્મચારીઓ માટે મહત્તમ સલામતી સુનિશ્ચિત થાય છે.”

ભારત ફોર્જ લિમિટેડના પ્રેસિડન્ટ

અને સીઈઓ (ડિફેન્સ એન્ડ એરોસ્પેસ) રાજિન્દર સિંઘ ભાટિયાએ કહ્યું હતું કે, “HRMS એ અમારા ઈઈ ઈક્લુઝિવેશન સેન્ટરમાંથી જન્મી છે, જેની શરૂઆત ગયા વર્ષે થઈ હતી. બ્લેક્સ્ટ્રો સાથે જોડાણમાં અમે સિવિલિયન અને મિલિટરી એમ બંને મોરચે AI સોફ્ટવેરની કેટલીક રિયલ-વર્લ્ડ એપ્લિકેશન ઊભી કરી છે.

બ્લેક્સ્ટ્રોના સીઈઓ અતુલ આર્યાએ કહ્યું હતું કે, “ભારત ફોર્જ સાથેનું જોડાણ ગયા વર્ષે અનેક વીડિયો એનાલીટિક પ્રોડક્ટ્સના વિકાસ તરફ દોરી ગઈ છે. HRMS તાત્કાલિક જરૂરિયાત પૂર્ણ કરવા માટે ઝડપથી અને સમયસર ટેકનોલોજીકલ ઘટકોનું એ સેમ્બલિંગ કરીને વિકસાવવામાં આવી છે. અમે દ્રઢપણે માનીએ છીએ કે, આ પ્લેટફોર્મ કંપનીઓ અને એના કર્મચારીઓને સુરક્ષા આપવાની સાથે તેમનો આત્મવિશ્વાસ પણ વધારશે અને તેઓ ઝડપથી સામાન્ય સ્થિતિ સંજોગોનો અનુભવ કરીને ચિંતામુક્ત રહીને કામ કરી શકશે.”

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ (HRMS) લોન્ચ કરી

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (BFL)એ AI સ્ટાર્ટ-અપ બ્લેકસ્ટ્રો સાથે જોડાણમાં AI આધારિત સિસ્ટમ HRMS લોન્ચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. HRMS એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઇન્ટેલિજન્ટ વીડિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર ભવિષ્યની નિર્ભરતા અને AIને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે. એની સાથે મુખ્યત્વે બે પાસાં સંકળાયેલા છે: (a) RFID બેજ રીડર

સાથે ઇન્ટિગ્રેટેડ કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમ. આ AI, કેમેરા દ્વારા થર્મલ સ્ક્રીનિંગ અને RFID રીડર ધરાવતી ઇન્ટિગ્રેટેડ સિસ્ટમ છે, જે અતિ ઝડપથી, અતિ સચોટતાપૂર્વક એસોસિએટ્સના તાપમાનને રેકૉર્ડ કરે છે તથા સંકુલમાં પ્રવેશ કરતી અને બહાર નીકળતી દરેક વ્યક્તિના તાપમાનનો ડેઇલી રેકૉર્ડ ઓટોમેટિક રાખે છે.

(બ) માનવીય વર્તણૂક પર નજર રાખવા અને નિયંત્રણ કરવા સર્વેલન્સ CCTV કેમેરા પર ચાલતું AI અલ્ગોરિથમ્સ. અદ્યતન AI સોફ્ટવેરનો ઉપયોગ કરીને સિસ્ટમ સંચાલકોને ચેતવણી આપે છે અને જ્યારે સોશિયલ ડિસ્ટન્સિંગના નિયમોનું પાલન ન થાય અથવા કોઈ કર્મચારીએ ફેસ માસ્ક ધારણ કર્યો ન હોય, ત્યારે તેમને ડેશબોર્ડ પ્રદાન કરે છે. સંપૂર્ણ કંપનીમાં કાયમી ધોરણે અભિગમ બદલવા આ એલર્ટ અને

ડેશબોર્ડ પછી સમીક્ષા કરે છે.

HRMS શૈક્ષણિક સંકુલો, હોસ્પિટલો, ગેટેડ કમ્યુનિટીઝ, રિટેલ સ્ટોર્સ, રેલવે સ્ટેશનો, એરપોર્ટ અને અવરજવરના પોર્ટન્ટ જેવા વધારે અવરજવર ધરાવતા વિસ્તારોમાં વ્યક્તિગત અને સામુદાયિક સ્વાસ્થ્ય પર નજર રાખવા સ્થાપિત કરવા આદર્શ સિસ્ટમ છે. અત્યારે પૂણેની ધ કલ્યાણી સ્કૂલ અને ભારતમાં BFLની તમામ મહત્તવપૂર્ણ સુવિધાઓમાં ઝેંઈસ્ટ્લ સ્થાપિત કરવામાં આવી છે. BFLએ એની ઉત્પાદન સુવિધાઓમાં સલામતીના કેટલાંક પગલાં લઈને આંશિક કામગીરી શરૂ કરી છે તથા કોવિડ 19 ઇન્ફેક્શનના પ્રસારને અટકાવવામાં મદદસ્થ થવા મહત્તવપૂર્ણ ટૂલ તરીકે HRMS સ્થાપિત કરવામાં આવી છે, જેથી સંકુલની અંદર પ્રવેશ કરતાં હજારો કર્મચારીઓ માટે સલામત વાતાવરણ ઊભું થાય છે.

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ લોચ કરી

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (**BFL**)એ **AI** સ્ટાર્ટ-અપ બ્લેક્સ્ટ્રો સાથે જોડાણમાં છે આધારિત સિસ્ટમ **HRMS** લોચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. **HRMS** એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઇન્ટેલિજન્ટ વીડિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર ભવિષ્યની નિર્ભરતા અને **AI**ને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે. ઇલેક્ટ્રો બેજ રીડર સાથે ઇન્ટિગ્રેટેડ કોન્ટેક્ટલેસ થર્મલ સ્ક્રીનિંગ સિસ્ટમ. આ **AI**, કેમેરા દ્વારા થર્મલ સ્ક્રીનિંગ અને **RFID** રીડર ધરાવતી ઇન્ટિગ્રેટેડ સિસ્ટમ છે, જે અતિ ઝડપથી, અતિ સચોટતાપૂર્વક એસોસિએટ્સના તાપમાનને રેકૉર્ડ કરે છે તથા સંકુલમાં પ્રવેશ કરતી અને બહાર નીકળતી દરેક વ્યક્તિના તાપમાનનો ડેઈલી રેકૉર્ડ ઓટોમેટિક રાખે છે.

માનવીય વર્તણૂક પર નજર રાખવા અને નિયંત્રણ કરવા સર્વેલન્સ **CCTV** કેમેરા પર ચાલતું છે અલ્ગોરિથમ્સ. અદ્યતન છે સોફ્ટવેરનો ઉપયોગ કરીને સિસ્ટમ સંચાલકોને ચેતવણી આપે છે અને જ્યારે સોશિયલ ડિસ્ટન્સિંગના નિયમોનું પાલન ન થાય અથવા કોઈ કર્મચારીએ ફેસ માસ્ક ધારણ કર્યો ન હોય, ત્યારે તેમને ડેશબોર્ડ પ્રદાન કરે છે. સંપૂર્ણ કંપનીમાં કાયમી ધોરણે અભિગમ બદલવા આ એલર્ટ અને ડેશબોર્ડ પછી સમીક્ષા કરે છે.

Bharat Forge Launches Health Risk Monitoring System (hrms) - An Ai Platform Enabling Safe Return To Workplace

Chennai, July 09, 2020: Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic

daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in highfootfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of

COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely reopen their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, "At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees".

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd

(Defence & Aerospace), said, "HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors - from educational institutes to enterprises, and help the community to be back on track during reopening of services."

Atul Arya, CEO at Blackstraw, said, "The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstated confidence and normality."

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‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ सादर

पुणे : टाळेबंदी शिथिल होत असतानाच्या सध्याच्या काळात कंपन्यांना व संस्थांना केंद्रिय गृह मंत्रालयाने दिलेल्या सुरक्षेविषयीचे नियम पाळणे शक्य व्हावे, याकरीता कृत्रिम बुद्धिमत्तेवर आधारीत व्यवसाय करणाऱ्या ‘ब्लॅकस्ट्रॉ’ या स्टार्टअप कंपनीच्या सहकार्याने भारत फोर्ज लि. (बीएफएल) या भारतीय बहुराष्ट्रीय कंपनीने ‘एचआरएमएस’ हे सोल्युशन सादर केले आहे. ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) ही व्हिडिओच्या माध्यमातून विश्लेषण करणारी बुद्धिमान स्वरूपाची यंत्रणा आहे. तंत्रज्ञान व एआय यांच्यावर भविष्यात अवलंबून राहू शकणाऱ्या कंपन्यांमधील कामगारांनी केंद्रिय गृह खात्याच्या नियमांचे पालन करावे, अशी तजवीज या यंत्रणेमध्ये केली आली आहे. ‘भारत फोर्ज लिमिटेड’च्या ‘डिफेन्स अँड एरोस्पेस’ या विभागाचे प्रमुख राजेंद्रसिंग भाटिया म्हणाले, ‘एआय इन्व्यूबेशन सेंटर’मध्ये आम्ही गुंतवणूक केली, त्यातून ‘एचआरएमएस’ यंत्रणा विकसीत करण्यात आली.

‘भारत फोर्ज’तर्फे ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) सादर

पुणे (प्रतिनिधी) : टाळेबंदी शिथिल होत असतानाच्या सध्याच्या काळात कंपन्यांना व संस्थांना केंद्रिय गृह मंत्रालयाने दिलेल्या सुरक्षेविषयीचे नियम पाळणे शक्य व्हावे, याकरीता कृत्रिम बुद्धिमत्तेवर (आर्टिफिशिअल इंटेलिजन्स - एआय) आधारित व्यवसाय करणाऱ्या ‘ब्लॅकस्ट्री’ या स्टार्टअप कंपनीच्या सहकाऱ्याने भारत फोर्ज लि. (बीएफएल) या भारतीय बहुराष्ट्रीय कंपनीने ‘एचआरएमएस’ हे सोल्युशन सादर केले आहे. ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) ही व्हिडिओच्या माध्यमातून विश्लेषण करणारी बुद्धिमान स्वरूपाची यंत्रणा आहे. तंत्रज्ञान व एआय यांच्यावर भविष्यात अवलंबून राहू शकणाऱ्या कंपन्यांमधील कामगारांनी केंद्रिय गृह खात्याच्या नियमांचे पालन करावे, अशी तजवीज या यंत्रणेमध्ये करण्यात आली आहे.

‘एचआरएमएस’ची दोन प्रमुख वैशिष्ट्ये आहेत : संपर्कविहीन पद्धतीने तपमान मोजणी व ‘आरएफआयडी बॅज’ची नोंदणी यांची एकात्मिक यंत्रणा - कृत्रिम बुद्धिमत्ता (एआय), कॅमेऱ्यांमधून तपमानाची मोजणी व ‘रेडिओ फ्रिक्वेंसी’युक्त ओळखपत्र (आरएफआयडी) या सर्व तंत्रज्ञानांनी युक्त अशी ही यंत्रणा आहे. कंपनीच्या आवारातून ये-जा करणाऱ्या सर्व व्यक्तींचे शारीरिक तपमान मोजून त्यांची

स्वयंचलित पद्धतीने दैनंदिन नोंद या यंत्रणेत ठेवली जाते.

‘एआय अल्गोरिदम’च्या तंत्रज्ञानावर आधारित सीसीटीव्ही कॅमेरांच्या माध्यमातून कंपनीच्या आवारातील व्यक्तींच्या हालचालींची नोंद करणे व देखरेख ठेवणे - कंपनीच्या आवारातील कर्मचारी शारीरिक अंतर राखण्याच्या किंवा फेस मास्क लावण्याच्या नियमांचे उल्लंघन करीत असतील, तर त्यांची नोंद घेऊन त्यासंबंधीची सूचना प्रशासकांना देणे आणि फलकांवर झळकवणे हे काम अत्याधुनिक ‘एआय’ तंत्रज्ञानाने युक्त अशी ही यंत्रणा करते. या सूचनांची दखल घेऊन कर्मचाऱ्यांविषयीचे धोरण प्रशासनाला ठरविता येते.

शैक्षणिक संस्था, रुग्णालये, रहिवाशांची बंदिस्त आवारे, रिटेल दुकाने, रेल्वे स्थानके, विमानतळ आणि येण्या-जाण्याचे मार्ग अशा लोकांची वर्दळ जास्त असणाऱ्या ठिकाणी ‘एचआरएमएस’ ही यंत्रणा विशेष उपयुक्त आहे. सध्या पुण्यातील ‘द कल्याणी स्कूल’ आणि देशभरातील भारत फोर्ज कंपनीचे कारखाने या ठिकाणी ‘एचआरएमएस’ बसविण्यात आले आहे. ‘भारत फोर्ज’च्या कारखान्यांमध्ये सध्या अंशकालीन कामकाज सुरू असून तेथे सुरक्षिततेच्या सर्व निकषांचे काटेकोर पालन करण्यात येत आहे.

‘भारत फोर्ज’ तर्फे ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) सादर ‘एआय प्लॅटफॉर्म’ संचालित यंत्रणेमुळे कार्यस्थानांवर सुरक्षित वावर सुनिश्चित

पुणे : टाळेबंदी शिथिल होत असतानाच्या सध्याच्या काळात कंपन्यांना व संस्थांना केंद्रिय गृह मंत्रालयाने दिलेल्या सुरक्षेविषयीचे नियम पाळणे शक्य व्हावे, याकरीता कृत्रिम बुद्धिमत्तेवर (आर्टिफिशिअल इंटेलिजन्स - एआय) आधारित व्यवसाय करणाऱ्या ‘वर्ल्कस्ट्रॉ’ या स्टार्टअप कंपनीच्या सहकाऱ्यांनी भारत फोर्ज लि. (बीएफएल) या भारतीय बहुराष्ट्रीय कंपनीने ‘एचअ-रएमएस’ हे सोल्युशन सादर केले आहे. ‘हेल्थ रिस्क मॉनिटरिंग सिस्टीम’ (एचआरएमएस) ही व्हिडिओच्या माध्यमातून विग्लेषण करणारी बुद्धिमान स्वरुपाची यंत्रणा आहे. तंत्रज्ञान व एआय यांच्यावर भविष्यात अवलंबून राहू शकणाऱ्या कंपन्यांमधील कामगारांनी केंद्रिय गृह खात्याच्या नियमांचे पालन करावे, अशी तजवीज या यंत्रणेमध्ये करण्यात आली आहे. अ) संपर्कविहीन पद्धतीने तपमान मोजणी व ‘आरएफआयडी बॅज’ची नोंदणी यांची एकात्मिक यंत्रणा - कृत्रिम बुद्धिमत्ता (एआय), कॅमेऱ्यामधून तपमानाची मोजणी व ‘रेडिओ फ्रिक्वेन्सी’ युक्त ओळखपत्र (आरएफआयडी) या सर्व तंत्रज्ञानांनी युक्त अशी ही यंत्रणा आहे. कंपनीच्या आवाऱातून ये-जा करणाऱ्या सर्व व्यक्तींचे शारिरीक तपमान मोजून त्यांची स्वयंचलित पद्धतीने दैनंदिन नोंद या यंत्रणेत ठेवली जाते. ब) ‘एआय अल्गोरिदम’च्या तंत्रज्ञानावर आध-रित सीसीटीव्ही कॅमेरांच्या माध्यमातून कंपनीच्या आवारातील व्यक्तींच्या हालचालीची नोंद करणे

व देखरेख ठेवणे - कंपनीच्या आवारातील कर्मचारी शारिरीक अंतर राखण्याच्या किंवा फेस मास्क लावण्याच्या नियमांचे उल्लंघन करीत असतील, तर त्यांची नोंद घेऊन त्यासंबंधीची सूचना प्रशासकांना देणे आणि फलकांवर झळकवणे हे काम अत्याधुनिक ‘एआय’ तंत्रज्ञानाने युक्त अशी ही यंत्रणा करते. या सूचनांची देखल घेऊन कर्मचाऱ्यांविषयीचे धोरण प्रशासनाला ठरविता येते. शैक्षणिक संस्था, रुग्णालये, रहिवाशांची बंदिस्त आवारे, रिटेल दुकाने, रेल्वे स्थानके, विमानतळ आणि येण्या-जाण्याचे मार्ग अशा लोकांची वर्दळ जास्त असणाऱ्या ठिकाणी ‘एचअ-रएमएस’ ही यंत्रणा विशेष उपयुक्त आहे. सध्या पुण्यातील ‘द कल्याणी स्कूल’ आणि देशभरातील भारत फोर्ज कंपनीचे कारखाने या ठिकाणी ‘एचआरएमएस’ बसविण्यात आले आहे. ‘भारत फोर्ज’च्या कारखान्यांमध्ये सध्या अंशकालीन कामकाज सुरू असून तेथे सुरक्षिततेच्या सर्व निकषांचे काटेकोर पालन करण्यात येत आहे. ‘कोविड-१९’च्या उद्रेकाच्या पार्श्वभूमीवर या सुरक्षिततेसाठी एचआरएमएस हे उत्तम साधन ठरले आहे. त्यातून या कारखान्यांमधील हजारो कामगारांची येता-जातानाची संपूर्ण काळजी घेतली जात आहे. ‘एचआरएमएस’ ही अतिशय विकसीत अशी यंत्रणा शाळा व कंपन्या यांच्या आवाऱात बसविण्यात यावी, असे कंपनीचे प्रयत्न सुरू आहेत; जेणेकरून या संस्थांना सध्याच्या आव्हानात्मक

काळात आपले कामकाज सुरक्षितपणे चालू करता येईल. ‘एचआरएमएस’च्या सादरीकरणाच्या प्रसंगी भारत फोर्ज लि.चे अध्यक्ष व व्यवस्थापकीय संचालक बाबा कल्याणी म्हणाले, ‘‘भारत फोर्जमध्ये आम्ही सुरक्षिततेला सर्वाधिक महत्त्व देतो. ‘कोविड-१९’ साथीच्या काळात तर ही सुरक्षितता अधिकच महत्त्वाचे ठरली आहे. आम्ही चिंतामुक्त आणि वाढीस चालना देणारे वातावरण तयार करून लोकांच्या आरोग्यासाठी आणि सुरक्षितता निर्माण करण्याकरीता कृत्रिम बुद्धिमत्ता आणि तंत्रज्ञान यांचा उपयोग केला आहे. सुरक्षिततेच्या निकषांची प्रभावी अंमलबजावणी करण्यासाठी आम्ही मानवी हस्तक्षेप होणार नाही, अशा स्वरुपाची ‘एचआरएमएस’ यंत्रणा विकसित केली आहे. या आमच्या तांत्रिक उपक्रमाने कर्मचाऱ्यांना जास्तीत जास्त सुरक्षितता दिली जात आहे. ‘भारत फोर्ज लिमिटेड’च्या ‘डिफेन्स अँड एरोस्पेस’ या विभागाचे प्रमुख आणि सीइओ राजिंदरसिंग भाटिया म्हणाले, ‘‘एआय इन्व्हेस्टिगेशन सेंटर’मध्ये आम्ही गुंतवणूक केली, त्यातून ‘एचआरएमएस’ यंत्रणा विकसीत करण्यात आली. ‘वर्ल्कस्ट्रॉ’सह केलेल्या भागीदारीत, आम्ही नागरी आणि लष्करी या दोन्ही आघाड्यांवर एआय सॉफ्टवेअरचे वास्तविक-जगातील अनेक अनुप्रयोग तयार करीत आहोत. आव्हानात्मक काळात सर्व समाजाला मदत होईल, असे काही करण्याचे उदाहरण म्हणून ‘हेल्थ

ભારત ફોર્જ હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ (HRMS) લોચ કરી કાર્યસ્થળે સહીસલામત પરત ફરવા સક્ષમ બનાવતું AI પ્લેટફોર્મ

અમદાવાદ, તા.૦૮

ભારતીય બહુરાષ્ટ્રીય કંપની ભારત ફોર્જ લિમિટેડ (BFL)એ AI સ્ટાર્ટ-અપ બ્લેકસ્ટ્રો સાથે જોડાણમાં AI આધારિત સિસ્ટમ HRMS લોચ કરી છે, જે કંપનીઓ અને સંસ્થાઓને સલામત રીતે કામગીરી ફરી શરૂ કરવા માટે ગૃહ મંત્રાલયની માર્ગદર્શિકાઓનું પાલન કરવા સક્ષમ બનાવે છે. HRMS એટલે હેલ્થ રિસ્ક મોનિટરિંગ સિસ્ટમ, જે ઇન્ટેલિજન્ટ વીરિયો એનાલીટિક્સ સોલ્યુશન છે. આ સોલ્યુશન સંપૂર્ણ વૃદ્ધિ માટે કર્મચારીની સલામતી સાથે કાર્યસ્થળને સક્ષમ બનાવવા વિકસાવવામાં આવ્યું છે, જે કંપનીઓની ટેકનોલોજી પર ભવિષ્યની નિર્ભરતા અને AIને સુસંગત છે. એનો આશય કર્મચારીઓ દ્વારા ગૃહ મંત્રાલયની નીતિઓનું પાલન કરવા પર નજર રાખવાનો છે.

आरोग्य तपासणीसाठी भारत फोर्जकडून यंत्रणा

पुणे, ता. १९ : कोरोनाच्या पार्श्वभूमीवर उद्योग, व्यावसाय आणि सरकारी आस्थापनांतील कर्मचाऱ्यांच्या आरोग्याच्या तपशीलाची नोंद ठेवणे, संपर्कविहिन पद्धतीने तापमान मोजमाप, विश्लेषणासाठी भारत फोर्जने स्वयंचलित 'हेल्थ रिस्क मॉनिटरिंग सिस्टीम' (एचआरएमएस) विकसित केली आहे.

सध्या सुरक्षा कर्मचारीच तापमानाची नोंद करून त्यांना सॅनिटायझर देत आहेत. परंतु, रोजच्या आरोग्य तपशीलाची अचूक माहिती



कर्मचाऱ्यांच्या आरोग्यासाठी सुरक्षित वातावरण निर्माण करण्याकरीता कृत्रिम बुद्धिमत्ता आणि तंत्रज्ञानाचा उपयोग या यंत्रणेत करण्यात आला आहे.
- बाबा कल्याणी, अध्यक्ष, भारत फोर्ज लि.

मिळत नाही. यामुळे 'ब्लॅकस्ट्रीट' या स्टार्टअप कंपनीच्या सहकार्याने भारत फोर्जने ही यंत्रणा विकसित केली. व्हिडिओतून विश्लेषण करणारी ही यंत्रणा आहे.

'एचआरएमएस'ची वैशिष्ट्ये

- कॅमेऱ्यांमधून तापमानाची मोजणी आणि रेडिओ फ्रिक्वेन्सीयुक्त ओळखपत्र (आरएफआयडी) या तंत्रज्ञानाने युक्त
- सीसीटीव्हीतून आवारातील व्यक्तींच्या हालचालीची नोंद करणे
- कर्मचारी शारिरीक अंतर राखण्याच्या किंवा मास्क लावण्याच्या नियमांचे उल्लंघन करीत असतील, तर त्यांची नोंद घेतली जाते.

Headline: [Bharat Forge launches health risk monitoring system for COVID-19 SOPs](#)

Domain: ET Auto

Date: July 09, 2020

Journalist: PTI

The contactless thermal screening system with RFID badge reader records the temperature of associates at high speed with accuracy and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

Auto components major Bharat Forge Ltd on Wednesday said it has launched health risk monitoring system (HRMS), which enables companies and institutions to comply with home ministry guidelines for safe reopening, in collaboration with artificial intelligence startup Blackstraw.

HRMS primarily consists of two major components, a contactless thermal screening system integrated with RFID badge reader and AI algorithms running on surveillance CCTV cameras to monitor and control human behaviour.

The contactless thermal screening system with RFID badge reader records temperature of associates at high speed with accuracy and also maintains an automatic daily record of the temperature of every person entering and exiting the premises, the company said in a statement.

On the other hand, the AI (artificial intelligence) algorithms running on surveillance CCTV cameras alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise, it added.

Commenting on the launch, Bharat Forge Ltd Chairman and Managing Director Baba Kalyani said safety norms have become more stringent with this pandemic.

"We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees," he added.

Blackstraw CEO Atul Arya said the partnership with Bharat Forge has led to development of a range of video analytic products over the last year.

"HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality," he added.

Bharat Forge said HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health.

Presently, it is being deployed at The Kalyani School in Pune and all critical facilities of the company pan-India.

Bharat Forge Ltd has partially resumed operations at its manufacturing facilities by taking several safety measures. It has added HRMS as a crucial tool to help prevent the spread of COVID-19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility, it added.

"The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely reopen their premises and businesses respectively, during these tough times," the statement said.

Headline: [Bharat Forge launches AI-based Health Risk Monitoring System](#)

Domain: The Hindu Business Line

Date: July 08, 2020

Journalist: Bureau

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched the Health Risk Monitoring System (HRMS), an AI-based solution that enables companies and institutions to comply with government-provided guidelines for safe reopening.

HRMS is an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of Ministry of Home Affairs (MHA) policies, the company stated in a press release.

The integrated system comprising AI, thermal scanning through cameras, and RFID readers records the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

Alerts sent to administrators

It also has AI Algorithms running on surveillance CCTV cameras to monitor and control human behavior. Using AI software, the system alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise.

HRMS is ideal for being deployed in high-footfall areas such as educational campuses, hospitals, gated communities, retail stores, railway stations, airports, and transit points to monitor individual and societal health.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd: “ We have inducted AI and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, President and CEO, Bharat Forge Ltd (Defence and Aerospace), said: “HRMS has been born from our investment in AI Incubation Centre, which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software, both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilised in critical times to help the society at large”. He said the company intends to make this system available widely across sectors – from educational institutes to enterprises – and help the community to be back on track during the re-opening of services.

Atul Arya, CEO at Blackstraw, said: “The partnership with Bharat Forge has led to the development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed overtime for an immediate need. We strongly believe that this platform will not only safeguard companies and their employees, but will also help reinstate confidence and normality.”

Headline: [Bharat Forge launches HRMS - an AI based solution enabling safe return to workplace](#)

Domain: Business Standard

Date: July 08, 2020

Journalist: Bureau

Bharat Forge in collaboration with AI start-up Blackstraw, has launched HRMS - an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components: (a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior.

Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Headline: Bharat Forge unveils AI-based health risk monitoring system to facilitate safe reopening	Domain: The Hindu
Date: July 08, 2020	Journalist: Bureau

Bharat Forge Ltd (BFL), in collaboration with AI start-up Blackstraw, has introduced Health Risk Monitoring System (HRMS), an AI-based solution that enables companies and institutions to comply with Ministry of Home Affairs-provided guidelines for safe reopening.

HRMS, an intelligent video analytics solution, has been developed to empower workplaces with worker safety, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of MHA policies, by employees.

The solution includes thermal screening through cameras and RFID reader which alerts administrators when Social Distancing norms are not met or if an employee is not wearing a Face Mask

Baba Kalyani, CMD, Bharat Forge Ltd., said, “We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Headline: [Coronavirus | Bharat Forge unveils AI-based Health Risk Monitoring System](#)

Domain: The Hindu

Date: July 08, 2020

Journalist: Bureau

The solution has been developed to empower workplaces with worker safety once they reopen.

Bharat Forge Ltd. (BFL), in collaboration with AI start up Blackstraw, has introduced Health Risk Monitoring System (HRMS), an AI based solution that enables companies and institutions to comply with Ministry of Home Affairs guidelines for safe reopening.

HRMS, an intelligent video analytics solution, has been developed to empower workplaces with worker safety, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of MHA policies by employees.

The solution includes thermal screening through cameras and RFID reader which alerts administrators when social distancing norms are not met or if an employee is not wearing a face mask.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health.

Currently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India.

Baba Kalyani, CMD, Bharat Forge Ltd., said, “We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, president and CEO, Bharat Forge Ltd. (Defence & Aerospace), said, “In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. HRMS is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors.”

Atul Arya, CEO, Blackstraw, said, “HRMS has been a quick and timely assembly of technological components developed over time for an immediate need.”

Headline: [Bharat Forge, Blackstraw launch AI-based Health Risk Monitoring System](#)

Domain: Autocar Professional

Date: July 08, 2020

Journalist: Bureau

Bharat Forge (BFL), one of the leading forging company in collaboration with Artificial Intelligence (AI) start-up Blackstraw, launched HRMS (Health Risk Monitoring System) solution that enables companies and institutions to comply with the Ministry of Home Affairs (MHA) provided guidelines for safe reopening.

HRMS stands for Health Risk Monitoring System, an intelligent video analytics solution, which has been developed to empower workplaces with worker safety for holistic growth and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

The solution primarily comprises of two major components:

A contactless thermal screening system integrated with RFID badge reader – An integrated system comprising of AI, thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

AI Algorithms running on surveillance CCTV cameras to monitor and control human behaviour – Using AI software, the system alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise.

Bharat Forge says HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. At present the HRMS is being deployed at the Kalyani School, Pune and all critical facilities of Bharat Forge across India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of Covid-19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Baba Kalyani, chairman and MD, Bharat Forge said, "At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees."

Rajinder Singh Bhatia, president and CEO, Bharat Forge (Defence & Aerospace) said, "HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military

fronts. Health Risk Monitoring System is an example of our investment being utilised in critical times to help the society at large. We intend to make this system available widely across sectors – from educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO at Blackstraw said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline: [Bharat Forge launches AI platform for safe re-opening](#)

Domain: The Machinist

Date: July 08, 2020

Journalist: Niranjan Mudholkar

Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, “HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline: <u>Bharat Forge Launches Health Risk Monitoring System (HRMS) – An AI Platform Enabling Safe Return To Workplace</u>	Domain: Aviation & Defence Universe
Date: July 08, 2020	Journalist: Bureau

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

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Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

A Contactless Thermal screening system integrated with RFID badge reader is one of the technology created. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, “HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior is another development. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of

technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Headline : [Bharat Forge launches HRMS: An AI platform enabling Safe return to Workplace](#)

Domain : Raksha-Anirveda

Date : July 08, 2020

Journalist: Editor

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

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(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

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Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

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**Headline : [Bharat Forge Ties Up With Blackstow](#)
[To Launch Health Risk Monitoring System \(HRMS\)](#)**

Domain : BW Auto World

Date : July 08, 2020

Journalist: BW Online Bureau

Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstow, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

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(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, “HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstow, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline: [Bharat Forge launches health risk monitoring system for COVID-19 SOPs](#)

Domain: Business Insider

Date: July 08, 2020

Journalist: PTI

Auto components major Bharat Forge Ltd on Wednesday said it has launched health risk monitoring system (HRMS), which enable companies and institutions to comply with home ministry guidance reopening, in collaboration with artificial intelligence startup Blackstraw.

HRMS primarily consists of two major components -- a contactless thermal screening system integrated with RFID badge reader and AI algorithms running on surveillance CCTV cameras to monitor and control human behavior.

The contactless thermal screening system with RFID badge reader records temperature of associates at high speed with accuracy and also maintains an automatic daily record of the temperature of every person entering and exiting the premises, the company said in a statement.

On the other hand, the AI (artificial intelligence) algorithms running on surveillance CCTV cameras alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise, it added.

Commenting on the launch, Bharat Forge Ltd Chairman and Managing Director Baba Kalyani said safety norms have become more stringent with this pandemic.

"We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees," he added.

Blackstraw CEO Atul Arya said the partnership with Bharat Forge has led to development of a range of video analytic products over the last year.

"HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality," he added.

Bharat Forge said HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health.

Presently, it is being deployed at The Kalyani School in Pune and all critical facilities of the company pan-India.

Bharat Forge Ltd has partially resumed operations at its manufacturing facilities by taking several safety measures. It has added HRMS as a crucial tool to help prevent the spread of COVID-19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility, it added.

"The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely reopen their premises and businesses respectively, during these tough times," the statement said.

Headline: [Bharat Forge launches health risk monitoring system for COVID-19 SOPs](#)

Domain: Outlook India

Date: July 08, 2020

Journalist: PTI

Auto components major Bharat Forge Ltd on Wednesday said it has launched health risk monitoring system (HRMS), which enables companies and institutions to comply with home ministry guidelines for safe reopening, in collaboration with artificial intelligence startup Blackstraw.

HRMS primarily consists of two major components -- a contactless thermal screening system integrated with RFID badge reader and AI algorithms running on surveillance CCTV cameras to monitor and control human behaviour.

The contactless thermal screening system with RFID badge reader records temperature of associates at high speed with accuracy and also maintains an automatic daily record of the temperature of every person entering and exiting the premises, the company said in a statement.

On the other hand, the AI (artificial intelligence) algorithms running on surveillance CCTV cameras alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise, it added.

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"The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely reopen their premises and businesses respectively, during these tough times," the statement said.

Headline : भारत फोर्ज ने कंपनियों के लिये कोविड- 19 मानकों के तहत स्वास्थ्य जोखिम निगरानी प्रणाली जारी की

Domain : Navbharat Times

Date : July 08, 2020

Journalist:

वाहन कलपुर्जे बनाने वाली कंपनी भारत फोर्ज लिमिटेड (बीएफएल) ने बुधवार को कहा कि उसने कंपनियों के लिए स्वास्थ्य जोखिम निगरानी प्रणाली (एचआरएमएस) जारी की है। यह प्रणाली उसने कृत्रिम मेधा क्षेत्र के स्टार्टअप ब्लेकस्ट्रा के साथ मिलकर विकसित की है। इससे कंपनियों और संस्थानों को अपना काम फिर से सुरक्षित तरीके से गृह मंत्रालय के दिशानिर्देशों के अनुरूप शुरू करने में मदद मिलेगी। कंपनी की यहां जारी विज्ञप्ति में कहा गया है कि स्वास्थ्य जोखिम निगरानी प्रणाली (एचआरएमएस) के तहत दो मुख्य हिस्से हैं। इसमें संपर्क रहित थर्मल स्क्रीनिंग प्रणाली है जो कि आरएफआईडी बैज

वाहन कलपुर्जे बनाने वाली कंपनी भारत फोर्ज लिमिटेड (बीएफएल) ने बुधवार को कहा कि उसने कंपनियों के लिए स्वास्थ्य जोखिम निगरानी प्रणाली (एचआरएमएस) जारी की है। यह प्रणाली उसने कृत्रिम मेधा क्षेत्र के स्टार्टअप ब्लेकस्ट्रा के साथ मिलकर विकसित की है। इससे कंपनियों और संस्थानों को अपना काम फिर से सुरक्षित तरीके से गृह मंत्रालय के दिशानिर्देशों के अनुरूप शुरू करने में मदद मिलेगी। कंपनी की यहां जारी विज्ञप्ति में कहा गया है कि स्वास्थ्य जोखिम निगरानी प्रणाली (एचआरएमएस) के तहत दो मुख्य हिस्से हैं। इसमें संपर्क रहित थर्मल स्क्रीनिंग प्रणाली है जो कि आरएफआईडी बैज रीडर और कृत्रिम मेधा से जुड़े सीसीटीवी कैमरों की निगरानी प्रणाली है। इससे मानव व्यवहार की निगरानी और नियंत्रण हो सकेगा। आरएफआईडी बैज रीडर के साथ संपर्क रहित थर्मल स्क्रीनिंग के जरिये सहयोगियों के शरीर के तापमान को तेजी के साथ और सही पैमाने पर माप लिया जाता है। इसके साथ ही परिसर में प्रवेश करने वाले और उपस्थित व्यक्तियों के तापमान का दैनिक रिकार्ड को भी यह स्वतः तैयार करता है। कारखाने में यदि किसी कर्मचारी ने मास्क नहीं पहना है अथवा शारीरिक दूरी का पालन नहीं किया जा रहा है तो उस मामले में सीसीटीवी कैमरे से जुड़े कृत्रिम मेधा उपकरण प्रबंधन को सतर्क कर देते हैं और उन्हें स्थिति से अवगत करा देता है। इससे संस्थान अथवा कारखाने में कर्मचारियों के व्यवहार पर बखूबी नजर रखी जा सकती है। भारत फोर्ज लिमिटेड के चेयरमैन और प्रबंध निदेशक बाबा कल्याणी ने कहा कि इस महामारी के साथ सुरक्षा नियम अधिक कड़े हो गये हैं।

Headline : [Bharat Forge launches Health Risk Monitoring System \(HRMS\)](#)

Domain : [enterpriseitworld.com](#)

Date : July 08, 2020

Journalist: Bureau

An AI platform enabling Safe return to Workplace

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, “HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from

educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline : [Bharat Forge launches AI solution for safe reopening](#)

Domain : DigiAnalysys

Date : July 08, 2020

Journalist: Bureau

Indian multinational company Bharat Forge in collaboration with AI start-up Blackstraw has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening.

HRMS stands for Health Risk Monitoring System, an intelligent video analytics solution developed to empower workplaces with worker safety for holistic growth and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies.

HRMS primarily comprises two major components. First, a contactless thermal screening system integrated with RFID badge reader. An integrated system comprising AI, thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

Second, AI Algorithms running on surveillance CCTV cameras to monitor and control human behaviour. Using state of art AI software, the system alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health.

Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures and has added HRMS as a crucial tool to help prevent the spread of COVID-19 infection.

Speaking on the launch, Baba Kalyani, Chairman & Managing Director, Bharat Forge said, “We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees.”

Rajinder Singh Bhatia, President & CEO, Bharat Forge (Defence & Aerospace) said, “Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO, Blackstraw said, “We strongly believe that this platform will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline : [Bharat Forge launches Health Risk Monitoring System \(HRMS\)](#)

Domain : VAR INDIA Magazine

Date : July 08, 2020

Journalist: Bureau

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS - an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

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The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, "At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees".

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, "HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from educational institutes to enterprises, and help the community to be back on track during re-opening of services."

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline : [Bharat Forge launches health risk monitoring system for COVID-19 SOPs](#)

Domain : Devdiscourse

Date : 8 July 20202

Journalist: PTI

Auto components major Bharat Forge Ltd on Wednesday said it has launched health risk monitoring system (HRMS), which enables companies and institutions to comply with home ministry guidelines for safe reopening, in collaboration with artificial intelligence startup Blackstraw. HRMS primarily consists of two major components -- a contactless thermal screening system integrated with RFID badge reader and AI algorithms running on surveillance CCTV cameras to monitor and control human behaviour.

The contactless thermal screening system with RFID badge reader records temperature of associates at high speed with accuracy and also maintains an automatic daily record of the temperature of every person entering and exiting the premises, the company said in a statement. On the other hand, the AI (artificial intelligence) algorithms running on surveillance CCTV cameras alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behaviour change across the enterprise, it added.

Commenting on the launch, Bharat Forge Ltd Chairman and Managing Director Baba Kalyani said safety norms have become more stringent with this pandemic. "We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees," he added. Blackstraw CEO Atul Arya said the partnership with Bharat Forge has led to development of a range of video analytic products over the last year. "HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality," he added.

Bharat Forge said HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, it is being deployed at The Kalyani School in Pune and all critical facilities of the company pan-India. Bharat Forge Ltd has partially resumed operations at its manufacturing facilities by taking several safety measures. It has added HRMS as a crucial tool to help prevent the spread of COVID-19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility, it added. "The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely reopen their premises and businesses respectively, during these tough times," the statement said.

Headline : <u>Bharat Forge launches Health Risk Monitoring System (HRMS) - An AI platform enabling Safe return to Workplace</u>	Domain : EquityBulls
Date : July 08, 2020	Journalist: Bureau

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS - an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

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Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, "At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people's health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees".

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, "HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from

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Headline: [Bharat Forge launches health risk monitoring system](#)

Domain: UNI

Date: July 08, 2020

Journalist: Bureau

Bharat Forge launches Health Risk Monitoring System



Mumbai, Jul 8 (UNI) Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched Health Risk Monitoring System (HRMS) – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to

empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components, A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

Headline: [Bharat Forge launches health risk monitoring system for COVID](#)

Domain: Sakal Times

Date: July 08, 2020

Journalist: Bureau

Bharat Forge launches health risk monitory system for COVID-19

ST Staff | Wednesday, 8 July 2020



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Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI-based solution that enables companies and institutions to comply with MHA provided guidelines

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Pune: The Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI-based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening.

Headline: [Bharat Forge launches health risk monitoring system for employees](#)

Domain: Sakal

Date: July 08, 2020

Journalist: Bureau

कर्मचार्यांच्या आरोग्यावर लक्ष ठेवण्यासाठी भारत फोर्जची भन्नाट यंत्रणा

सकाळ बुललेवा | बुधवार, 8 जुलै 2020



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कृत्रिम बुद्धिमत्तेवर आधारित स्वयंचालित पद्धतीने आरोग्याची तपासणी करणारी 'हेल्थ ट्रिस्क मॉनिटरिंग सिस्टीम' (एचआरएमएस) विकसीत करण्यात आली आहे.



पुणे, ता. 8 : कोरोनासोबत विर्यकाळ टिकाव धरण्यासाठी उद्योग, व्यवसाय आणि सरकारने आस्थापनांना रोज कर्मचार्यांच्या आरोग्यावर लक्ष ठेवणे गरजेचे आहे. त्यासाठी सध्या सुरक्षित कर्मचारीच तापमानाची मॉड आणि सेनिटाइझर देत आहे. परंतु, कर्मचार्यांच्या रोजच्या आरोग्याची तपासणीची मॉड ठेवणे, संपर्कविहीन पद्धतीने मोजमाप आणि किरलेवण करणे शक्य होत नाही. त्यासाठी कृत्रिम बुद्धिमत्तेवर आधारित स्वयंचालित पद्धतीने आरोग्याची तपासणी करणारी 'हेल्थ ट्रिस्क मॉनिटरिंग सिस्टीम' (एचआरएमएस) विकसीत करण्यात आली आहे.

Headline: <u>Bharat Forge launches Health Risk Monitoring System (HRMS)- An AI platform enabling Safe return to Workplace</u>	Domain: Punekar News
Date: July 08, 2020	Journalist: Bureau

Indian multinational company Bharat Forge Limited (BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

(a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

(b) AI Algorithms running on Surveillance CCTV cameras to monitor and Control human behavior. Using state of art AI software, the system alerts administrators and provides them a dashboard when Social Distancing norms are not met or if an employee is not wearing a Face Mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of COVID19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility.

The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

Rajinder Singh Bhatia, President & CEO, Bharat Forge Ltd (Defence & Aerospace), said, “HRMS has been born from our investment in AI Incubation Centre which commenced last year. In partnership with Blackstraw, we are creating several real-world applications of AI software both on civilian and military fronts. Health Risk Monitoring System is an example of our investment being utilized in critical times to help the society at large. We intend to make this system available widely across sectors- from

educational institutes to enterprises, and help the community to be back on track during re-opening of services.”

Atul Arya, CEO at Blackstraw, said, “The partnership with Bharat Forge has led to development of a range of video analytic products over the last year. HRMS has been a quick and timely assembly of technological components developed over time for an immediate need. We strongly believe that this platform which will not only safeguard companies and their employees but will also help reinstate confidence and normality.”

Headline: [Bharat Forge launches HRMS - an AI based solution enabling safe return to workplace](#)

Domain: India Infoline

Date: July 08, 2020

Journalist: Bureau

Bharat Forge in collaboration with AI start-up Blackstraw, has launched HRMS - an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

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Headline: [Bharat Forge launches Health Risk Monitoring System](#)

Domain: Central Chronicle

Date: July 10, 2020

Journalist: Bureau

Indian multinational company Bharat Forge Limited(BFL), in collaboration with AI start-up Blackstraw, has launched HRMS – an AI based solution that enables companies and institutions to comply with MHA provided guidelines for safe reopening.

HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of MHA policies by employees, a release said.

HRMS primarily comprises of two major components: (a) A Contactless Thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.

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Headline: Bharat Forge launches Health Risk Monitoring System	Domain: The Daily Guardian
Date: July 15, 2020	Journalist: Bureau

One of the leading defence multinational companies in India, Bharat Forge Limited (BFL), in collaboration with AI startup Blackstraw, has launched HRMS: an Artificial Intelligence (AI) based solution that enables companies and institutions to comply with Ministry of Home Affairs (MHA) provided guidelines for safe reopening. HRMS stands for Health Risk Monitoring System, an Intelligent Video Analytics solution, which has been developed to empower workplaces with worker safety for holistic growth, and is aligned with the future dependability of enterprises on technology and AI to monitor compliance of laid MHA policies, by employees.

It primarily comprises of two major components:

- (a) A contactless thermal screening system integrated with RFID badge reader. An integrated system comprising of AI, Thermal scanning through cameras and RFID reader, the system records at high speed with unmatched accuracy, the temperature of associates, and also maintains an automatic daily record of the temperature of every person entering and exiting the premises.
- (b) AI algorithms running on surveillance CCTV cameras to monitor and control human behaviour. Using state-of-art AI software, the system alerts administrators and provides them a dashboard when social distancing norms are not met or if an employee is not wearing a face mask. These alerts and dashboards are then reviewed to drive sustainable behavior change across the enterprise.

HRMS is ideal for deploying in high-footfall areas like educational campuses, hospitals, gated communities, retail stores, railway stations, airports and transit points to monitor individual and societal health. Presently, HRMS is being deployed at The Kalyani School, Pune and all critical facilities of BFL pan-India. BFL has partially resumed operations at its manufacturing facilities by taking several safety measures, and has added HRMS as a crucial tool to help prevent the spread of Covid-19 infection, thereby creating a safe environment for its thousands of employees entering and exiting the facility. The company also intends to make the developed HRMS system available widely across schools and enterprises which will help them to safely re-open their premises and businesses respectively, during these tough times.

Speaking on the launch, Baba Kalyani, Chairman, and Managing Director, Bharat Forge Ltd., said, “At Bharat Forge, safety has always been a priority. Now with this pandemic, safety norms have become more stringent, and correctly so. We have inducted Artificial Intelligence and technological intervention to further safeguard people’s health by creating an environment that is anxiety-free and fosters growth. We have developed HRMS to reduce manual interference and keep an effective check on safety norms. This technological approach has ensured maximum safety for employees”.

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