



DAY 1 (8TH DECEMBER 2017)			
SESSION I(A): PRODUCT DESIGN			
TIME: 02:00 – 4:00 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-207) Dr. Sougata Karmakar		Implementation of Kansei Engineering to develop a framework to retain ethnicity of Indian Handloom products	Chirapriya Mondal, Sougata Karmakar
01	HWWE-021	Product Design interventions to solve issues faced in the use of a hand-held blender in domestic use.	Reenu Singh, Rauf Iqbal, Ashok K Pundir
02	HWWE-029	Effect of Drilling Speed and Task Duration on workers' performance in a modified Hand feed system	Masood Ashraf, Mohammad Muzammil, Abid Ali Khan
03	HWWE-042	Ergonomic Analysis and Workplace Evaluation of an Assembly section to Improve Productivity	Nandini Easwaran
04	HWWE-074	User Centered System Design for Indian Small Scale Industries: Case Study on Pottery Industry	Devyani Shirole, Wricha Mishra, Debayan Dhar
05	HWWE-080	Ergonomic Evaluation and Work Table Design for Wood Furniture Manufacturing Industry	Ashish Singh, Rahul Jain, Bharat Singh, Makkhan Meena
06	HWWE-13-E	Comparative ergonomic evaluation of women friendly cono weeders for paddy	N.A.Shirsat, S.S.Chavan, V.V.Aware, P.U.Shahare, K.G.Dhande, S.V.Pathak, S.V.Aware
07	HWWE-161	Ergonomic considerations of push and pull action for trolley bag handle design	Dwarakanath Varunkumar Alagarsamy, Abhishek G.M
08	HWWE-164	Design and development of Semi-automatic handloom incorporating human factors	Manohar Mahato, Amarendra Kumar Das
09	HWWE-168	Ergonomically designed drawing table for engineering students	Shaik Ahammad Basha, Rayana Kavitha, Kaki Vamsi Krishna, Challa Ram Prasad, Vakada Prasantha Reddy, Kancharla Rosamma
10	HWWE-172	Ergonomic study on the handle design of shovel	Ayush Saxena, Siddharth Bhardwaj
11	HWWE-176	Adjustable Pedal Box Assembly - An ergonomic approach	Syed Nasir Asghar, Sarif Anwar
12	HWWE-192	Examining the Role of Ergonomics in Sustainable Product Designing	Vikash Kumar, Pradeep Yammyavar
13	HWWE-21-E	Development and ergonomic evaluation of pedal operated cashewnut deshelling machine	V.V. Aware, P.R. Pawar, S.V. Aware, P.U. Shahare and N.A. Shirsat
14	HWWE-232	Smelly Shoes – An Opportunity for Shoe Rack Re-design	Vikash Kumar, Sarthak Mittal
15	HWWE-238	Presence of toe spring in footwear	Achita Ahuja, Ajita D Singh
16	HWWE-240	Ergonomic Design Assessment of Garment Retail Stores in Malls	Priyanka Basant, Manjit Kaur Chauhan
17	HWWE-250	Digital Human Modeling using CATIA-V5 for the analysis & ergonomic improvements in design of Wearable Load Assisting Device for Porters	Harish Kumar Sharma, Amit Kumar Sharma, Aditya Singh, Piyush Singhal
18	HWWE-254	A Study on Ergonomic Design and Drafting of Furniture in Higher Classes in India	Parvej, Ateeb A. Khan and Sameen Mustafa
19	HWWE-28-E	Design Intervention for Leg Operated Pineapple Peeling Machine	Mohd. Abdul Ahad, Rahul Kumar, Abdul Kalam, Md. Sarfaraz Alam
20	HWWE-30-E	Design Intervention for Hand Operated Pineapple Peeling Machine	Mohd. Abdul Ahad, Md. Sarfaraz Alam, Rahul Kumar
21	HWWE-267	Ergonomic Design of Angle of Abduction in Arc Welding Environment	Ali Nawaz, Md Dilshad Alam, Imtiaz Ali Khan, Qasim Murtaza, Taliv Hussain and Hasan Faraz
22	HWWE-56-E	Performance Testing and Ergonomic Evaluation of Battery Operated Knapsack Sprayer	S.V.Pathak, P.U.Shahare, N.A.Shirsat, S.V.Wandkar
DAY 1 (8TH DECEMBER 2017)			
SESSION I(B): CASE STUDIES			
TIME: 02:00 – 4:00 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-225): Prof. Shankarashis Mukherjee		Relation between occupational sitting duration and central obesity? A study in Bengalee female human resources engaged in sedentary avocation	Neepa Banerjee, Surjani Chatterjee, Sandipan Chatterjee, Satabdi Bhattacharjee, Santanu De, Shankarashis Mukherjee
01	HWWE-013	Ergonomics Evaluation of Body Postures of Workers in Small Scale Industries and Constructional Works in Howrah District of West Bengal, India.	Pabitra Kumar Pal, Prokash Halder, Debamalya Banerjee
02	HWWE-017	A Case for Changing Office Furniture Standards	Vinod Gupta
03	HWWE-018	Prevalence of Low back Pain among rural primary school teachers of Gujarat	Dhruv kumar Dave, Happy Patel
04	HWWE-024	Influence of pastel factors in the appearance of musculoskeletal disorders in the manufacturing industry: documentary review.	Juan Zamora Medina, Monica Rodriguez Rodriguez, Claudia Marcela Borré Maldonado
05	HWWE-046	Thermal Power Plants: A Major Threat for Environment	S M Husain
06	HWWE-050	Effects of Cartoon Network of School Going Children: an Empirical Study	Apurbalal Senapati, Bhaskar Saha, Debkumar Chakrabarti
07	HWWE-058	Foreign Animation and Indian Kids Behavior: an Innovative Survey	Bhaskar Saha, Apurbalal Senapati, Debkumar Chakrabarti
08	HWWE-061	Strength Index of Axle Housing of Pre-ROPS Agricultural Tractors	Ashish Kumar Shrivastava, Virendra Kumar Tewari
09	HWWE-089	Ergonomic Assessment of Institutional Mechanical Workshop for Improved Comfort of Students	Praveen Saraswat, Manoj Kumar Sain, M.L. Meena
10	HWWE-106	Ergonomic Assessment of occupational health and work environment among waste collection workers: a cross-sectional study	Francis J. Emmatty, Vinay V. Panicker
11	HWWE-112	Health Hazards of Brassware industry: A community based study	Samreen Khan, Najam Khaliq
12	HWWE-11-E	Ergonomics evaluation of a car interior: A case example on Shelby Cobra	Anirban Chowdhury, Chaitanya Kachare
13	HWWE-143	Risk Factors Associated With Accident Severity In Urban Chennai	Sathish Kumar Sivasankaran, Venkatesh Balasubramanian
14	HWWE-162	Designing Baffles of Fuel tanker truck to prevent rollovers	Nafees Ahmad, Mehul Varshney, Umair Khan
15	HWWE-166	Neonatal health facility design in rural India: Cause for concern	Shruti Murthy, Myron Godinho, Vijayshree Dhyani
16	HWWE-182	A scrutiny of on-job stress and occupational well-being of Indian policewomen compared to Chinese policewomen	Shilpi Bora, Abhirup Chatterjee, Debkumar Chakrabarti
17	HWWE-191	Prevalence of WMSDs and ergonomic awareness in small scale industries: A case study	Mohd Asif Khan, Mahtab Ali, Irfan Ahmad, Siddharth Bhardwaj
18	HWWE-193	CTS Estimation in Shock Absorber Assembly Workforce in Indian Automobile Industry: A Study	Santosh Kumar, Prof. M. Muralidhar
19	HWWE-212	Influence of Indian classical dancing on the postural stability of adult Bengalee females	Surjani Chatterjee, Neepa, Banerjee, Satabdi Bhattacharjee, Sandipan Chatterjee, Debamalya Banerjee, Shankarashis Mukherjee
20	HWWE-249	Ergonomic Study of Manual Work of a Workplace: A Case Study	Arun Mathew, Suresh Venkatesh, Ankit Ranka, Deep Matkar
21	HWWE-34-E	Sensory Neuropathy in Hypothyroidism: A Cross Sectional Study	Ahmad Faraz, Sangeeta Singhal, M.Mobarak Hossain, S.S.Siddiqui



DAY 1 (8TH DECEMBER 2017)			
SESSION I(C): ENVIRONMENTAL ERGONOMICS			
TIME: 02:00 – 4:00 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-071): Prof. Subhashis Sahu		Impact of Heat Stress And Its Impression on Cardiac Jeopardy Among Construction Labourers: A Consequence for a Climate Change Imminent	Arijit Chatterjee, Subhashis Sahu
01	HWWE-030	Modernizing Ergonomics through Additive Manufacturing	Mohd Imran Khan, Shahbaz Khan, Abid Haleem
02	HWWE-031	Modularity characteristic for Humanizing work in Manufacturing System	Kamal Mittal
03	HWWE-062	Humanizing Education in Higher Classes: An Overview of Thermal Comfort and other parameters affecting Human Efficiency.	Sameen Mustafa, Mubashshir Ahmad Ansari, Qasim Murtaza, Mohd. Farooq, Abid Ali Khan
04	HWWE-065	The effect of spray-cooled and air-cooled condenser of a window air conditioner on human thermal comfort: experimental investigation	Md. Tauseef Raza, Md. Zeeshanuddin, Taliv Hussain, Sameen Mustafa, Abdul Faheem, Adnan Hafiz, Suhail A. Siddiqui and Abdul Ahad Ansari
05	HWWE-075	Space Ergonomics: Analysis of artificial gravity systems and an improved proposed model	Ragib Hussain, Abdur Rahman, Asif Khan
06	HWWE-090	A comparative study of thermal environment between two varieties of pantry car available in Indian railway	Md. Sarfaraz Alam, Arunachalam Muthiah, Urmi Salve
07	HWWE-100	Ergonomics in Operations and Manufacturing	Ankita Singh, Mukesh Murjani
08	HWWE-266/120	Ergonomics in the Workplace for a better Quality of Work Life	Saman Afroz, Mohammad Israrul Haque
09	HWWE-175	Analysis of Examination related experiences of students of Aligarh Muslim University under varying climatic conditions	Mohd Kamil Vakil, Afreen Khan
10	HWWE-199	Effect of housing dimensions and materials on human thermal comfort in Air-Conditioned Beds	Mohd Mansoor, Sana Fatema, Nafees Ahmad and Taliv Hussain
11	HWWE-19-E	Fit protective clothing for increasing duration limite exposure (dle) of labours in heat area of aluminum smelter	Listiani Nurul Huda, Nofias Fajri
12	HWWE-209	Psychophysical approach in manual material handling: A Review	Atif Saleem, Saman Ahmad, Ahmad Raza
13	HWWE-215	Study on auditory status and annoyance level of male adolscents residing in the vicinity of an airport	Sandipan Chatterjee, Ayan Chatterjee, Surjani Chatterjee, Neepa Banerjee, Santanu De, Shankarashis Mukherjee
14	HWWE-217	Safety begins at kitchen: HFE perspective	Neepa Banerjee, Sandipan Chatterjee, Surjani Chatterjee, Priyanka Biswas, Santanu De, Shankarashis Mukherjee
15	HWWE-220	Ergonomics - A Comprehensive survey	Priti Sonasale, Dr S S Hebbal, Dr. Syed M Qutubuddin
16	HWWE-229	Exergy and energy analysis of shower cooling tower used for air cooling application for human comfort with variation in inlet air dry bulb temperature	Mohammad Zunaid, Qasim Murtaza, Samsher
17	HWWE-260	A study on comfort in smart classrooms	Kashif Ali, Zubair Akhtar, Sameen Mustafa, Parvej
18	HWWE-29-E	Effect of noise-induced stress on bus drivers of Faridabad (India)	Gajender, Prof. Z. Mallick, Dr. Mohd. Asjad
19	HWWE-35-E	Effect of Environmental Factors on Performance & Fatigue of a Worker Performing a Metal Pouring Operation	Saman Ahmad, A. Varshney, S. Singhal, V. Agrawal, A. Saleem
20	HWWE-268	Effect of Indoor Environmental Quality on human comfort and Performance: A Review	Junaid Khan, Taliv Hussain, Mohammad Talha Javed and Sadaf Meraj
21	HWWE-59-E	Optimization of noise control by Taguchi	Bhawana Rathore, Rashmi uddanwadiker, Rauf Iqbal, Ashok Kumar Pundir
22	HWWE-65-E	Occupational and Life style Disease: An emerging trend	Ali Jafar Abedi
DAY 1 (8TH DECEMBER 2017)			
SESSION I(D): HUMAN VIBRATION, COMFORT AND PHYSIOLOGY			
TIME: 02:00 – 4:00 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Speaker (HWWE-063) Dr. Sarbjit Singh		Occupational Whole Body Vibration Exposure among Tractor Drivers during Harrowing	Amandeep Singh, Lakhwinder Pal Singh, Sarbjit Singh, Harwinder Singh
01	HWWE-026	An Ergonomic Evaluation on Whole-body vibration of Tractor drivers	Jiyaul Mustafa, Mohd. Farooq
02	HWWE-048	Ergonomic assessment of log bucking operation using chain saw	Nooruzzaman, Abid Ali Khan
03	HWWE-055	The effect of Whole-Body Vibration on Muscles Strength, Functional Mobility, and Balance Recovery in patients with Multiple Sclerosis: A Systematic Review	Mohd Mukhtar Alam, Mohd Farooq, Abid Ali Khan
04	HWWE-070	Evaluation of Agricultural Waste Natural Fiber as an Acoustic Absorber for Reduction of Industrial Noise	Tafzeelul Kamal, Issam Wajih, Vikas Sharma, Yasser Rafat, M.Arif Siddiqui
05	HWWE-108	Evaluation of vibration and physiological parameters of Indian female workers for operating a mini combine harvester	Gajendra Singh, V.K Tewari, Smrutilipi Hota, Naveen Kumar
06	HWWE-203	Correlation between anthropometry dimensions and EMG features extracted during gripping task, before and after application of vibratory massage therapy on forearm muscles.	Mohd Mukhtar Alam, Abid Ali Khan, Mohd Farooq
07	HWWE-008	Ergonomic assessment of manually operated stalk uprooter	Ajit Magar, Bhaskar Gaikwad, Bhaskar Gaikwad, Rahul Potdar, Ashutosh Pandirwar
08	HWWE-036	Design of Land Leveller Height measuring Physiological and Psychophysical Parameters	Pratap Singh, Sanjay Srivastava, Niti Singh Thakur
09	HWWE-082	Effect of grip force on electrical activity of forearm muscles	Gaurav Raghav, Abid Ali Khan, Mohd Farooq
10	HWWE-084	Technical intervention for assessment of physiological characteristics as function of operating force in traditional agricultural operations	Smrutilipi Hota, V.K. Tewari, Gajendra Singh, Sweeti Kumari
11	HWWE-086	Effect of Vibration intervention on Forearm muscles to improve Grip Strength- A Systematic Review	Azhar Eqbal, Israr Ahmad, Hemant Kumar, Mohd Mukhtar Alam, Abid Ali Khan, Mohd Farooq
12	HWWE-088	Effect of Forearm posture on Grip Strength- A Systematic Review	Hemant Kumar, Azhar Eqbal, Israr Ahmad, Mohd Mukhtar Alam, Abid Ali Khan, Mohd Farooq
13	HWWE-130	Relevance and incidence of Musculoskeletal Injuries in university Lawn-tennis/badminton Players and rehabilitation.	Fazalur Rehman, Mohd Farooq
15	HWWE-216	A Study on Flexibility and Fitness Status of Adult Bengalee Males Undergoing Training in Football	Satabdi Bhattacharjee, Tanaya Santra, Surjani Chatterjee, Priyanka Biswas, Neepa Banerjee, Shankarashis Mukherjee
16	HWWE-253	Preliminary study on ergonomic evaluation of physiological stress of male tea garden workers of Temi, Sikkim	Avik Bardhan, Bibaswan Basu, Aparna Mukhopadhyay, Prabr K Mukhopadhyay and Devashish Sen
17	HWWE-261	Physiological and Psycho-Physiological Approaches for Maximum Carrying Load Estimation	Rohit Sharma, Kushal Kamboj, Vikas Kumar, Manav Verma
18	HWWE-55-E	Electromyographic Analysis of Low Back Muscles of Occupational Workers: A Review	Ashish Yadav, Greesh Kumar Singh and Sanjay Srivastava



DAY 1 (8TH DECEMBER 2017)
SESSION II(A): BIOMEDICAL ENGINEERING
TIME: 04:15 – 5:45 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-073): Prof. Omar Farooq		Automatic Detection of Exudates in Color Fundus Images	Vaibhav Tiwari, Mohd Wajid, Nishant Varshney, Omar Farooq
01	HWWE-016	Demonstration of Physical Effects on the assembly of modelled teeth and mandible through Finite Element Analysis	Sheeraz Athar, Ahmad Raza Usmani, Abid Ali Khan, Prabhat Kumar Chaudhari, Mohd. Tariq
02	HWWE-032	A study of existence of relationship between HbA1c levels and Nerve Conduction Velocity in type 2 diabetes mellitus patients	Abeer Masood, S.Ajaz A.Rizvi, Sheelu.S Siddiqui, Rajiv Gulati
03	HWWE-123	Mechanical device for parkinson's disease	Arfeen Khan, Shazeb Ahmad, Mohd Sufiyan, Mohd Shah Faizan, Mohammad Muzammil
04	HWWE-136	Reverse Engineering in customization of products: Review and Case Study	Mohammad Faisal Noor, Faisal Hasan, Siddharth Bhardwaj, Saim Hasan
05	HWWE-140	A Low Cost Reaction Time Estimator Based Hand Exercises for Stroke Rehabilitation	Rahul Bhardwaj, Venkatesh Balasubramanian
06	HWWE-154	Comparative study of algorithms for EMG signals	Salman Mohd Khan, Mohd Parvez
07	HWWE-157	EEG based Exoskeleton for Rehabilitation therapy.	Bilal Alam Khan, Ahmad Raza Usmani, Sheeraz Athar, Anam Hashmi, Omar Farooq, Mohd Muzammil
08	HWWE-160	An Optimized algorithm for automatic seizure detection in Time Frequency Domain	Ayesha Khan, Yusuf Khan
09	HWWE-200	Comparison of EMG normalisation methods during co-contraction of vastus lateralis and biceps femoris to test patients with knee osteoarthritis.	Siddharth Bhardwaj, Abid Ali Khan, Mohammad Muzammil
10	HWWE-202	3-D Scanning and Free Form Manufacturing For Biomedical Applications: Current Capabilities and Challenges	Atul Kumar, Faisal Hasan, Atishey Mittal
11	HWWE-224	Design and Development of Ionic Polymer Metal Composite (IPMC) based Light Weight Flexible and Low Cost Artificial Finger	Mohd. Mohsin Ikram, Abhinandan Jain, Syed Javed Ali Rizvi
12	HWWE-22-E	Effect of Grip Force on Electrical Activity of Forearm Muscles	Gaurav Raghav, Abid Ali Khan, M. Farooq
13	HWWE-40-E	Muscle Identification in a Bench Drilling Task Using EMG	Mubbasher Ali Khan, M Muzammil
14	HWWE-63-E	Study of Tampering Detection for Audio Signal under Noisy Environment using Resampling Factor	Sheetal Upadhyaya, Prashant Upadhyaya and Omar Farooq

DAY 1 (8TH DECEMBER 2017)
SESSION II(B): WORK RELATED MUSCULOSKELETAL DISORDERS
TIME: 04:15 – 5:45 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-64-E)		Ergo-care of Older Workers for Improving Industrial Productivity	Trinath Pachal
01	HWWE-011	Comparison of two methods of bolt and washer assembly	Ayush Anand
02	HWWE-019	Evaluation of Postural Risk Factors among the Heavy Structural Fabrication Industry Workers in West Bengal, India by Using RULA and REBA, and Suggestion for Change in Posture to Reduce Risk Factors	Prokash Halder, Debamalya Banerjee
03	HWWE-039	Relevance, incidence and rehabilitation of tennis elbow and others common musculoskeletal Injuries in university Lawn-tennis/badminton Players.	Fazal ur Rehman, Mohd Farooq
04	HWWE-03-E	Ergonomic analysis of mopping the floor in squatting and standing posture	Dr. Jayshree Ramrao Rodgea, Dr. Hemangini Laxmidas Sarambekar, Deepika Ramrao Savantc
05	HWWE-041	Ergonomic interventions for manual material handling tasks in a warehouse	Vibha Bhatia, Parveen Kalra, Jagjit Singh Randhawa
06	HWWE-051	Analysis of Health Issue and Musculoskeletal Problem for Workers in Manufacturing Sectors	S. Sashank, T. Aravind Krishna, K. Adalarasu, S. Kathirvel
07	HWWE-095	Risk Factors Associated with Work-Related Musculoskeletal Disorders among the Workers Engaged in Metal Craft Manufacturing in Jaipur, India	Awadhesh Bhardwaj, Monica Sharma, Dipayan Das
08	HWWE-124	Design and Development of an Automated Hand Shovel	Mohammed Rajik Khan, Aditya Rahul Gupta
09	HWWE-129	User-oriented subjective ergonomic evaluation for work related disorders: a review	Kiran Mohan, V Madhusudanan Pillai, Rohith Raj O R, Abhinav S
10	HWWE-142	Occurrence of Musculoskeletal Disorders among the Stone Polishing Workers of Guwahati (India): Influence of Working Posture and Duration	Susmita Nath, Tapashi Kalita, Abhirup Chatterjee, Rajiv Tiwari, Sougata Kamakar
11	HWWE-197	A new checklist for selection of non-powered hand tools based on principles of ergonomics	Darsh Naik, Saleem Ahmed, S. Darius Gnanaraj
12	HWWE-210	Musculoskeletal disorders and Visual symptoms among Virtual reality Users	Umair Arif, Roohul Huda Khan
13	HWWE-221	Work related musculoskeletal disorders among the carpentry workers.	Umair Arif, Afsar Husain
14	HWWE-233/271	Posture Assessment of Packing Workers in Pharmaceutical Industry	Pallavi Murarka, Manjit Chauhan
15	HWWE-24-E	Manual Material Handling	Prince Jadaun
16	HWWE-252	Evaluation of postural stress of school children due to school bag carriage: Necessity of modifications of OWAS	Bibaswan Basu and Devashish Sen
17	HWWE-31-E	Manual Material Handling of Brick Kiln Workers Engaged in Brick Moulding Activity	Divya Chaturvedi, Razia Parvez
19	HWWE-32-E	Factors Affecting Work Related Musculoskeletal Disorders in Caregiving Staff at Hospitals and Medical Organization	Deevash Sharma, Awadhesh Bhardwaj, Monica Sharma
20	HWWE-48-E	Work related musculoskeletal disorder among the car mechanics in Punjab (India) : An ergonomic study	Lakhwinder Pal Singh and Gursahib Singh
21	HWWE-52-E	Analysis of Postures Leading to Musculo-skeletal Disorders among Employees in Garment Manufacturing Units- A Case Study	K N Subramanya, Rajeswara Rao K V S & Shobha N S
22	HWWE-272	Work-related MSDs risk assessment of small-scale casting industry using Computer Added Posture Assessment (CAPA)	Praveen Kumar and Lakhwinder Pal Singh



DAY 1 (8TH DECEMBER 2017)
SESSION II(C): ANTHROPOMETRY & ERGONOMICS FOR DIFFERENTLY ABLED
TIME: 04:15 – 5:45 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-005): Dr. R.M. Belokar		Enhancing Walking Stability of Foot Deformities Patients by 3D Printed Ankle Foot Orthosis	Harish Kumar Banga, Dr R.M Belokar, Dr Parveen Kalra, Dr Rajesh Kumar
01	HWWE-010	Development of bottom-wear size chart for Indian male youth	Manoj Tiwari, Noopur Anand
02	HWWE-015	Tractor operators' reach envelopes based on anthropometry of Indian male agricultural workers	R R Potdar, C R Mehta, B B Gaikwad, L P Gite, K N Agarwal, V K Bhargav
03	HWWE-020	Anthropometry and Workplace Design	Reji Baby
04	HWWE-028	Ergonomic Study on Foundry Worker	Debasis Haldar, Rauf Iqbal, Asif Mahammad sayeed, Qureshi Vivek, Khanzode
05	HWWE-035	Redesigning Agricultural Tools using Anthropometry of Male Agricultural Workers of Dayalbagh Region, Agra, India	Pratap Singh, Sanjay Srivastava, Niti Singh Thakur
06	HWWE-057	Isometric push/pull strength of Indian male participants at three handle heights	Rahul Jain, M L Meena, G S Dangayach
07	HWWE-083	Robust app for Specially Aabled person (GUIDE FOR ME) : A Case study of AMU	Basil Hanafi, Adeb Mansoor Ansari, Mohammad Sajid
08	HWWE-087	The relationship between grip strength and basic anthropometric variables, hand anthropometric and gender in adults- A Systematic Review	Israr Ahmad, Hemant Kumar, Azhar Eqbal, Mohd Mukhtar Alam, Abid Ali Khan, Mohd Farooq
09	HWWE-093	Vibration Analysis of Custom Ankle Foot Orthosis (AFO) for Drop Foot patient	Falah Hasan, Qasim Murtuza, Faisal Hasan, Mohd Parvez
10	HWWE-094	Design and Analysis of a custom Ankle Foot Orthosis (AFO) with Foot Drop Patient	Falah Hasan, Qasim Murtuza, Mehul Varshney
11	HWWE-205	Design and Analysis of Partial Right Foot Chopart Socket Prosthesis	Falah Hasan Abdulsadah, Qasim Murtaza, Faisal Hasan, Siddharth Bhardwaj, Mohmed Abdulameer Khalaf, Ibraheem Ahmed Mohsen
12	HWWE-20-E	Re-design of control panel position and seat in anode changing crane's cabin approach with range of motion (ROM) and anthropometry measurement	Listiani Nurul Huda
13	HWWE-213	Individualized Helmet: An Approach for Reducing Road Traffic Injury Casualties	Bamini Bhattacharya, Neepa Banerjee, Surjani Chatterjee, Raja Bhattacharya, Kuntal Ghosh, Shankarashis Mukherjee
14	HWWE-219	Effect of anthropometry factors on the industrial system design and maintenance – a state of art	Mohammad Asghar, Mohammad Asjad, Agung Sutrisno
15	HWWE-237	Are anthropometric measurements of Indian school children being considered while designing of their classroom furniture? : A cross sectional survey	Vandana Esht, Ajita D Singh
16	HWWE-15-E	Ergonomics in the kitchen of working women of MIG families (a study of Aligarh city)	Rashmi Singh, Dr. Saba Khan

DAY 1 (8TH DECEMBER 2017)
SESSION II(D): HUMAN COMPUTER INTERACTION
TIME: 04:15 – 5:45 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-177)		Rethinking ergonomics data presentation in the internet age	Clive D'Souza
Lead Lecture (HWWE-098) Prof. S. Gangopadhyay		Investigation on the Impact of the Continuous Usages of Mobile Phone on Physical and Mental Health Status of Young Male and Female College Students of Kolkata	Shreya Sinha, Sayantika Das, Somnath Gangopadhyay
01	HWWE-002	Subjective Evaluation System: Analysis and Calculation using Levenshtein Distance	Abhishek Bhattacharya, Shefali Bhatnagar, Seema Sharma
02	HWWE-003	Computer Injuries and their Prevention in Scientific ways	Arun Kumar
03	HWWE-043	A Comparative Analysis of a Mouse and Touch pad Based on Throughput and Locations for a Laptop Computer	Mohd Shah Faizan, Tauheed Mian, M. Muzammil
04	HWWE-103	Classification of mobile interaction type based on human emotion	Anindya Sundar Mukhopadhyay, Ketan Shimpi, Vinayak Bhandare, Tanmoy Goswami
05	HWWE-111	Eye issues related to Virtual Reality Games and Interfaces	Humza Multanwala, Manisha Aher, Mrinmoy Goswami, Anirban Chowdhury
06	HWWE-122	Ergonomic evaluation of a CNC panel keyboard	Mohammad Masud Faridi, Imtiaz Ali Khan, Umair Arif
07	HWWE-126	Usability Evaluation of 2D and 3D Mobile Keypad Interfaces in Virtual Reality Environment	Akriti Kaur, Mudit Agrawal, Pradeep G. Yammiyavar
08	HWWE-148	Virtual Reality based Training System for Autistic children	Ceethal Piyus, Rahul Bhardwaj, Venkatesh Balasubramanian
09	HWWE-152	Evolving a specialised discipline in Human Computer Interaction (HCI) Design education for Indian E-Government Systems	Suchitra Pyarelal, A.K Das
10	HWWE-155	Ergonomic Survey of Computer Science Students at Aligarh Muslim University, India: Challenges at Workplace	Afreen Khan, Mohammad Ubaidullah Bokhari, Mohd Mustaqeem
11	HWWE-174	Need for "Single Information System" To Track, Monitor & Report Missing Children in India	Vyidianathan Ramaswami, Wricha Mishra, Dandeswar Bisoyi
12	HWWE-201	Can Dynamic Widgets Improve Data Entry Efficiency?	Shrikant Salve, Ganesh Bhutkar, Pradeep Yammiyavar
13	HWWE-206	A study on laptop ergonomics	Aditya Shringi, Saleem Ahmed, S. Darius Gnanaraj
14	HWWE-218	Functional Analysis of smart Phones: An Ergonomics evaluation	Z Mallick, Mohammad Asjad
15	HWWE-230	Analysis of Posture and Workplace of Female Students Using Laptop in Hostel	Manjit Kaur Chauhan, Pooja Singh, Prachi Patel
16	HWWE-236	Effectiveness of postural control exercises and scapular stabilization exercises on neck pain and forward head posture of daily computer users	Amanpreet Kaur, Ajita D Singh
17	HWWE-60-E	Need for Updating Worksystem Model	Roli Dave, Vivek Khanzode, Vikram Neekhra, Sourabh Kulkarni



DAY 2 (9TH DECEMBER 2017)			
SESSION III(A): AGRICULTURE & DEFENCE ERGONOMICS			
TIME: 02:00 – 03:30 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Lecture			Dr. Deepti Majumdar
01	HWWE-022	Design of Chaff Cutting Machine	Saiful Wali Khan, Kanak Singhal, Ashish Kumar Singh, Faisal Hasan, Masood Ashraf, Samiullah Ansari
02	HWWE-023	Ergonomics data required and its benefits for Indian agricultural workers for design agriculture machinery	Kalay Khan, Govind Vishwakarma
03	HWWE-044	Ergonomic Evaluation of Fodder Cutting Task	Md Samiullah Ansari, Faisal Hasan, Saiful Wali Khan, Siddharth Bhardwaj
04	HWWE-053	Load assessment and drudgery in vegetable production system	Suman Singh, Hemu Rathore, Charu Sharma
05	HWWE-076	Ergonomics study in Sugarcane-wheat-paddy production system of Western plain zone of Uttar Pradesh	Nisha Verma, V P Chaudhary, Anurag Patel and A S Panwar
06	HWWE-096	Ergonomic Intervention for drudgery reduction in paddy seed selection- A post-harvest activity in Assam	Ruplekha Borah, Mira Kalita, Pinky Saikia
07	HWWE-099	Age related changes of musculoskeletal disorder and postural stress among male cultivators engaged in paddy threshing task	Hiranmoy Mahata, Prakash C. Dhara
08	HWWE-117	A Study on Cardio-Respiratory Efficiency of Bullocks for Threshing Paddy and Groundnut by a Multi Crop Thresher Operated in Rotary Mode	Sangram Swain, Arun Mohapatra, Ajay Dash
09	HWWE-119	Acceptable Sustained Workloads of Agricultural Workers	Santosh Mohanty, Kamal Agarwal
10	HWWE-128	Evaluation of protection performance and ergonomic design aspects of a combat vehicle in its conceptualization stage	Amare Wibneh, Sougata Karmakar
11	HWWE-145	Efficacy of Weapon Firing Training in Air Force: Study Review to Suggest Improvisations	KCP Paraasaram and Urmi R. Salve
12	HWWE-12-E	Ergonomic evaluation of knapsack sprayer	P.U.Shahare, V.V.Aware, N.A.Shirsat, S.V.Pathak
13	HWWE-156	Assessment of adaptive behaviour among the farm workers towards heat stress during summer months	Kirti Kesarwani, Promila Sharma
14	HWWE-185	Design of an Ergonomic Coconut Tree Climbing Device	Shreeneet Rathi
15	HWWE-194	Design Intervention for Leg Operated Pineapple Peeling Machine	Mohd Abdul Ahad, Rahul Kumar, Abdul Kalam, Md. Sharfaraz Alam
16	HWWE-195	Design Intervention for Hand Operated Pineapple Peeling Machine	Mohd. Abdul Ahad, Md. Sarfaraz Alam, Rahul Kumar
17	HWWE-208	Multi-Channel Feature Extraction, Classification, and Pattern Recognition of EMG signals in Time and Frequency domain.	Mohd Mukhtar Alam, Abid Ali Khan, Mohd Farooq
18	HWWE-227	Assessment of physiological strain due to work and exposure to different thermal working environmental condition in male paddy cultivators of a southern district of West Bengal	Ayan Chatterjee, Sandipan Chatterjee, Surjani Chatterjee, Tanaya Santra, Neepa Banerjee, Shankarashis Mukherjee
19	HWWE-228	Comparative study of ergonomics and energy expenditure of brush cutter and manual tools (sickle) for wheat harvesting	V P Chaudhary, Nisha Verma, Anurag Patel
20	HWWE-234	The effect of load carriage, walking speed and downhill grade combinations on the Electromyographic and Subjective Responses of Indian Soldiers	Sohini Paul, Dhurjati Majumdar
21	HWWE-248	Job Stress analysis of an Air Traffic Controller in an Indian Airport	Aswin Kumar A K, Suresh Subramoniam
22	HWWE-26-E	Ergonomic assessment of Ergo-innovative devices of Rose and Marigold flower harvesters	Dr. Nimisha Suryavanshi, Dr. Razia Parvez
23	HWWE-50-E	Assessment of Jaggery making using Workplace Ergonomic Risk Assessment (WERA)	Parimalam P and J Meenakshi
24	HWWE-263	Drudgery involved in Traditional way of Cultivation and Harvesting of Makhana (Euryale ferox salisb) from ponds in India	Abhijit Khadatkar and V K Gupta
DAY 2 (9TH DECEMBER 2017)			
SESSION III(B): AGEING & HEALTH CARE			
TIME: 02:00 – 03:30 PM			
S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-61-E): Dr. L.P. Singh		Risk assessment method for patient handling: A Comprehensive Review	Harish Suthar and Dr. Lakhwinder Pal Singh
01	HWWE-007	Home safety assessment among home living elderly	Roopa Rao
02	HWWE-009	Prioritizing the total quality management enablers in healthcare establishments for improved performance: An analytic hierarchy process approach	Faisal Talib, Zillur Rahman
03	HWWE-012	Factorising and Prioritising the Ergonomic Attributes of a Passenger Car for Aged People	Ashish Dutta, A.K. Bhardwaj, A.P.S. Rathore
04	HWWE-049	A review about the role of flooring-efficacy as a fall-prevention strategy in designing for elderly	Neelima Gudavalli
05	HWWE-102	Assessment of movement associated problems among elderly in relation to age and sex	Prakash C. Dhara, Piyali Sengupta
06	HWWE-116	Assessment of musculoskeletal problems among aged population	Sandhya Rani
07	HWWE-127/262	Design and Evaluation of Wheel Chair Mounted Automatic Self-Transfer Assistive Device for Elderly and Patients	Kelifa Seid and A.K.Das
08	HWWE-133	Evaluation of Smartphone as a Real-Time Tool for Hand Tremor Assessment	Priyadarshini Natarajan, Prof. Venkatesh Balasubramanian
09	HWWE-137	Comparison of Fatigue Trend among Different Aged Driver With and Without PTSD on Simulator and On-road Driving	Rahul Bhardwaj, Sathish Kumar Sivasankaran, Venkatesh Balasubramanian
10	HWWE-147	Ergonomic Design and Static Analysis of Wheel Chair cum X-Ray Table for stress-free transfer of patients	Obaidullah Khawar, Ayush Varshney, Mohammad Faisal Noor, Mohd Farooq, Fazal-Ur Rehman
11	HWWE-183	Improving User-Space Performance by Integrating Biophilia in Healthcare Environment	Md Fuzail Jawaid, Zainab Abbas
12	HWWE-186	Prevalence of knee arthritis among elderly in Indian Households: A critical study of work-related problems and interventions	Prakash Kumar, Siddharth Jhawar, Sarthak Mittal
13	HWWE-222	Design issues in patient handling and transfer in Indian homes	Priyanka Rawal
14	HWWE-223	Re-hospitalization due to Secondary Complications Post Spinal Cord Injury	Priyanka Rawal, Gaur G. Ray



DAY 2 (9TH DECEMBER 2017)
SESSION III(C): AUTOMOTIVE & DRIVING ERGONOMICS
TIME: 02:00 – 03:30 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-251): Dr. Azizuddin Khan		Assessing relationship between drivers behaviour and cognitive failure: Categorising sub-groups of drivers	Nikita Sharma, Azizuddin Khan
01	HWWE-006	Hearing status of agricultural tractor drivers of India	Abhijit Khadatkar, C.R. Mehta
02	HWWE-033	Virtual Speed Breaker	Faheem Haider Haidry
03	HWWE-054	Suppressed Articulatory Rehearsal Mechanism, Gaze Behaviour, and Direction Following in Distracted Driving	Sajad Najjar, Premjit Khanganba Sanjram
04	HWWE-110	Ease of driving by combining the clutch and accelerator in single pedal in a passenger vehicle	Abhas Raj Saxena, Rajat Sharma, Mohammad Muzammil, Parveen Farooque
05	HWWE-115	Design of Helmet for Thermal Comfort	Sanchit Chauhan, Sameer Hasan, Mohd Farooq
06	HWWE-121	Ergonomic modification of headrest in car seat	Namita Chaudhary, Abid Ali Khan, Siddharth Bhardwaj
07	HWWE-139	Subjective Evaluation Of Musculoskeletal Disorders Among Fatal And Non-Fatal Bus Drivers In Different Scenarios	Sathish Kumar Sivasankaran, Rahul Bhardwaj, Venkatesh Balasubramanian
08	HWWE-144	Real-Time Driver Fatigue Detection from ECG Using Deep Learning Algorithm	Anjaly Cherian, Rahul Bhardwaj, Venkatesh Balasubramanian
09	HWWE-153	Cognitive Assessment of Driver based on Deep Learning Using EEG Signals	Rahul Bhardwaj, Ceethal Piyus, Venkatesh Balasubramanian
10	HWWE-163	Formula One (F1) Race Car Design: An Ergonomics study for the Cockpit	Arshil Ahmad, Israr Ahmad, Syed Ali Zaheen, Faisal Talib
11	HWWE-16-E	Ergonomic Postural Evaluation of Electric Loco Pilots of Indian Railways During Notching	Subir Danda, Dr. Soumya Sarkar, Dr. Bikash Bepari, Dr. Kalyan Brata Saha, Dr. Balendra Nath Lahiri
12	HWWE-170	Human Comfort Analysis on A Three Wheel Hybrid Human and Electric Drive Vehicle by Simulation as Well As Practical Analysis in Pedaling And Non-Pedaling Condition.	Vikram Parmar, Rohit Saraswat, Israr Ahmad
13	HWWE-179	Formula steering - an ergonomic approach	Sarif Anwar, Syed Nasir Asghar, Mohd. Saad Khan
14	HWWE-180	Subjective evaluation of driver-distracted caused during use of mobile phone for navigation purpose	Indresh Kumar Verma, Sougata Karmakar
15	HWWE-190	A Study on Motorcycle Usability and Discomfort	Athul Mohan, Raghunathan Rajesh
16	HWWE-214	Linkage between Select Anthropometric Measures and Pulmonary Function Indicator: a Study on Male Automobile Workers	Tanaya Santra, Neepa Banerjee, Sandipan Chatterjee, Ayan Chatterjee, Kuntal Ghosh, Shankarashis Mukherjee

DAY 2 (9TH DECEMBER 2017)
SESSION IV(A): THEORETICAL ISSUES IN ERGONOMICS
TIME: 03:45 – 05:15 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-067): Dr. Debayan Dhar		Integrating design management practices in Organizations: A Operation Research approach/perspective	Wricha Mishra, Lakshmi Kanth Hari, Debayan Dhar
01	HWWE-040	Integrated Supply Chain Problems and Organizational Ergonomics: An insight	Rishav Khanal, J Sanjog
02	HWWE-064	Overview of Knowledge Management in Occupational Safety, Health and Ergonomics	Syed Imran Shafiq, Edward Szczerbicki, Cesar Sanin
03	HWWE-079	Ergonomics: an entrepreneurial necessity	Maryam Fozia, Ayesha Farooq
04	HWWE-113	Leadership decisions on workplace ergonomics: Road-map to success	Ayesha Rehman, Faiz Rehman, Ayesha Farooq
05	HWWE-138	Ergonomics and its contribution to Strategic Management.	Mohd Abdul Moid Siddiqui, Ayesha Farooq
06	HWWE-169	Big Data Analytics: A Tool for Monitoring Ergonomics Risk	Afreen Khan, Mohammad Ubaidullah Bokhari
07	HWWE-198	The use of worksheets and checklists in imparting ergonomics education to students	S. Darius Gnanaraj
08	HWWE-243	Role of ergonomics in aesthetic order of product design	Saleem Ahmad
09	HWWE-246	Status of Knowledge on CIM Ergonomics – A Critical Review	Shahnawaz Mohsin, Imtiaz Ali Khan, Mohammed Ali
10	HWWE-247	Role of Human Factors in CIM Industries	Shahnawaz Mohsin, Imtiaz Ali Khan, Mohammed Ali
11	HWWE-04-E	Achieving employee longevity	S.P.Sharma
12	HWWE-09-E	Work Environment and its Impact on job satisfaction	Bilal Asghar, Prof. M Nasir Zamir
13	HWWE-17-E	Advergaming are more persuasive amongst different online advertisements	Tara Thomas, Kanika Tuteja, Anirban Chowdhury
14	HWWE-36-E	Eustress-the positive side of negativity: a conceptual framework	Asmar Husain , Bushara Bano
15	HWWE-189	A Review on Human Factors and Ergonomics in School	Raghunathan Rajesh
16	HWWE-025	Total Ergonomics Model Applied to Thermal Power Plant For Workers Safety, Health and Happiness	Ashad Ahmad, Taliv Hussain, Adnan Hafiz, Nabeel Hidayat and Md. Faizan
17	HWWE-181	Study of Green practices in manufacturing industry for enhanced performance: a proposed model	Faisal Khan, Mohammad Shiraz Anjum, Dr. Faisal Talib
18	HWWE-41-E	Ergonomics in product design - past, present, and future	Saed Enam Mustafa, Mohammad Asghar Khan, Hasan Faraz
19	HWWE-45-E	Modelling and analysis of ergonomics approach in civil construction industry	Sachin Rathore, K.L.A.Khan, Arunesh Chandra, Z.Mallick
20	HWWE-256	Role of Ergonomics in English Language Teaching: An Overview	Syyada Faheem
21	HWWE-264	Study of Human Factors Responsible for Change in Design	Mohd. Anas

DAY 2 (9TH DECEMBER 2017)
SESSION IV(B): COGNITIVE ERGONOMICS
TIME: 03:45 – 05:15 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-014): Prof. R.R.Potdar		Assessment of leg strength of female agricultural workers with respect to seat distance from centre of the pedal	R R Potdar, C R Mehta, B B Gaiikwad, V K Bhargav, K N Agarwal, L P Gite
01	HWWE-027	Enhancing human productivity in stress oriented jobs: A proposed model	Asif Khan, Ashutosh Yadav, Shantanu Saraswat, Faisal Talib
02	HWWE-037	Shift Work: Stress & Performance	Namrata Arora Charpe, Radhika Sethi
03	HWWE-047	Impact of prolonged noise exposure on cognitive ability of the welding factory workers	Monalisha Banerjee, Prati Rashmi Bhunya, Prakash C Dhara
04	HWWE-077	Assessment of Checkout Operator's Workload in Organized Retail Stores of India	Nabila Rehman, Namrata Arora Charpe



05	HWWE-081	Comparative Assessment of Static Muscular Strength among Female Carpet Weavers'	Ashish Singh, Manoj Sain, Makkhan Meena, Himanshu Chaudhary
06	HWWE-131	Motivating tourist through web-based Information sharing regarding Assam's art and craft	Hitesh Sharma, Debkumar Chakrabarti
07	HWWE-134	Assessment of Bus Driver Performance Based on Reaction Time on Simulator and On-road Driving	Rahul Bhardwaj, Sathish Kumar Sivasankaran, Venkatesh Balasubramanian
08	HWWE-135	Comparative Assessment Of Mini Mental State Examination In Bus Drivers For On Road And Simulator Study Conditions	Sathish Kumar Sivasankaran, Rahul Bhardwaj, Venkatesh Balasubramanian
09	HWWE-141	Inclusive design for an improved user experience of public buildings- a contextual study of museums in India	Sk Nawaz Ali, Niva Rana Mahanta
10	HWWE-149	Cultural Exposure through an interactive space that enhances tourists' experience and improve locals' welfare	Wanrisa B Kharkongor, Abhirup Chatterjee, Debkumar Chakrabarti
11	HWWE-151	Real-time pedestrian detection in various climate conditions using deep learning	Rahul Bhardwaj, Anjali Cherian, Venkatesh Balasubramanian
12	HWWE-158	Utilization of ergonomics for employee satisfaction	Zareen Husain Farooq, Ayesha Farooq
13	HWWE-231	Use of eye tracking to evaluate product's physical attributes through visual behavior analysis of the consumer	Bighna Kalyan Nayak, Sougata Karmakar

DAY 2 (9TH DECEMBER 2017)
SESSION IV(C): GENDER & WORK
TIME: 03:45 – 05:15 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-239): Dr. Ajita D Singh		Ergonomic evaluation of women working in small scale industries of Patiala district with special reference to preserve its handicraft heritage.	Jiwanjot Kaur, Ajita D Singh
01	HWWE-01-E	Assessment of human cost of work of tribal women farmers in harvesting of Maize with the use of Improved Sickles	Harshita Jai, Suman Singh, Hemu Rathore
02	HWWE-045	Musculoskeletal problems and cardiovascular stress of female tea garden worker in relation to age	Mousumi Chatterjee, Mdhumita Basu Mallick, Prakash C. Dhara
03	HWWE-052	Ergonomic assessment of grain cleaner in mitigating drudgery of women	Suman Singh, Hemu Rathore, Charu Sharma
04	HWWE-068	Ergonomics in the Kitchen of Working Women of MIG Families (A study of Aligarh City)	Rashmi Singh, Saba Khan
05	HWWE-069	Gender, women's work and work environment: an ergonomics Prospective	Mohd Sarfaraz, Ayesha Farooq
06	HWWE-07-E	Investigate the effects of Iranian traditional music on mental and physical performance in Iranian worker	Seyed Abolfazl Zakerian
07	HWWE-092	Gender Differences in Sleep Apnea – A Questionnaire Study	J Rajeswari, Mohan Jagannath, K Adalarasu
08	HWWE107	Women rescue system	Ceethal Piyus
09	HWWE-167	Footwear: Purchase and Impact on Health	Devika Vaidya, Iqbal Rauf, Archana Bhatnagar
10	HWWE-18-E	Time and motion study of women workers in a papad unit	Parimalan P, Nallakurumban B, Padmini D S, Jeyalakshmi M
11	HWWE-226	Impact of Bharatnatyam dancing on obesity and diabetes status: a study in Bengalee female human resources engaged in sedentary occupation	Neepa Banerjee, Priyanka Biswas, Surjani Chatterjee, Tanaya Santra, Sandipan Chatterjee, Shankarashis Mukherjee
12	HWWE-245	Occupational Health Problems among Female Residential Building Sweepers	Hemani Malhotra
13	HWWE-25-E	Study of Physiological Problems of Women Workers in Manual Rice Transplanting Operations	Gayatri Mohanty, Santosh Kumar Mohanty
14	HWWE-51-E	Ergonomically Designed Gender Friendly Farm Tools – Need of the Hour	Parimalam P, Padmanaban K, Logeswari S, Nallakurumban k and Thambidurai

DAY 2 (9TH DECEMBER 2017)
SESSION IV(D): OCCUPATIONAL HEALTH & SAFETY-I
TIME: 03:45 – 05:15 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (Prof. Rauf Iqbal)		Study on smartphone uses and its impact on individual	Rauf Iqbal, Borampalli Ravali Preethi, Nirupam Choudhury, Md Raja, Jagadish Prasad Chandra
01	HWWE-059	Postural analysis, occupational health and ergonomic intervention of welding workers in different small scale welding units: A report	Suman Das, Pabitra Kumar Pal, Debamalya Banerjee
02	HWWE-060	Design solution of soldering activity of gold jewellery manufacturing	Urmi Salve
03	HWWE-066	Impact of exposure to high noise level on occupational health of the weavers engaged in handloom sectors in India: A case study from Bargarh district	Surendra Kumar, Abhirup Chatterjee, Sougata Karmakar
04	HWWE-072	Effect of welding emissions on health and its remedy by friction stir welding	Sufian Raja, Abdul Faheem, Akhter Husain Ansari, Faisal Hasan, Qasim Murtaza, Salman Mohd Khan
05	HWWE-085	Study of effect of coir dust on pulmonary functions.	Deviprasad Mohabhoi, Jayanarayan Mishra
06	HWWE-104	Prevalence and factors associated with Occupational Health disorders among Teachers in Kerala	Ajith Aravind, Vinay V Panicker
07	HWWE-109	Workplace design factors and ergonomic training – A case for Indian Millennial employee well-being	Shalini Singh, Prof. Ayesha Farooq
08	HWWE-114	Ergonomic Study of Packaging Line for Risks in Working Postures	Kanishk Sood, Ishant Gupta, Jagjit Singh Randhawa, Parveen Kalra
09	HWWE-118	Analysing the Prevalence of Occupational Risk among Workers Involved in Traditional Clay Brick Manufacturing Task	Manoj Kumar Sain, M. L. Meena
10	HWWE-146	Wrist Disorders and Design: Perception of Patients	Arunita Paul, Urmi Salve
11	HWWE-159	Barriers to promote occupational health and safety (OHS) among different construction types in India	Vigneshkumar C, Saravana Muthu K
12	HWWE-171	Influence of Industrial Safety Shoe Characteristics and Individual's factors on Postural Stability.	Varsha Chorsiya, Pranab Kumar Nag, Priya Dutta, Anjali Nag
13	HWWE-173	Analyzing factors affecting health & safety of metro rail workers	Aayush Bhatia, Suvil Jain, Anuj P.S. Parmar, Manish Jain, Ratri Parida
14	HWWE-178	Importance and Benefits of Sleeping for shift workers	Harshita Bisht, Suman Singh, Hemu Rathore, Geetanjali Waiker
15	HWWE-184	Study of Biomechanical Risks & Potential for Productivity Enhancements for Mogra Cultivation in Maharashtra	Shreeneet Rathi, Narendra Shah
16	HWWE-44-E	Ergonomic Workplace and Organization Design in Micro, Small and Medium Enterprises (MSMEs).	Ibrahim P A
17	HWWE-46-E	4 Classic Mistakes Corporates Make While Selecting Chairs	Reena Valecha
18	HWWE-58-E	Ergonomic study of a pulverizing mill - a case study	Qutubuddin S.M., M. Manzoor Hussain and Hebbal S.S.
19	HWWE-62-E	Ergonomic hazard identification and assessment of a garment factory in KSA - An exploratory study	Banan Masoud, Nada Al-Sayari, Noor Al-Shareef, Yara Munshi, Farheen Bano



DAY 3 (10TH DECEMBER 2017)
SESSION V(A): OCCUPATIONAL HEALTH & SAFETY-II
TIME: 11:30 – 01:00 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-235): Dr. Manjit K Chauhan		Occupational Health Problems among Handicraft Workers in Arunachal Pradesh	Poorni Bagra, Manjit Kaur Chauhan, Prachi Patel
01	HWWE-05-E	Analysing the Important Factors causing Fatigue in Industrial workers using Fuzzy MCDM Technique	Noor Zaman Khan, Suha K. Shihab, Zahid A. Khan, Arshad Noor Siddiquee
02	HWWE-08-E/258	Friction Stir Welding Process vis-à-vis Human Health	Mohd Atif Wahid, Suha K. Shihab, Rohit Shandley, Ashish Jacob, Tanveer Majeed
03	HWWE-10-E/97	Occupational health hazard of workers engaged in food processing unit of Assam.	Lahkar Koushika, Bhattacharyya Nandita
04	HWWE-14-E	Ergonomic risk assessment and postural analysis of Indian agricultural workers	Arunesh Chandra, Sachin Rathore, Z. Mallick
05	HWWE-187	Rapid entire body assessment (REBA) of auto repair shop workers	Anupam Tiwari, Saleem Ahmed, S. Darius Gnanaraj
06	HWWE-241	Ergonomic assessment among workers engaged in Pashmina embroidery work in Kashmir, India	Uzma Iqbal, Siddharth Bhardwaj, Asma Iqbal
07	HWWE-242	Impact of Shift Work on Call Centre Employees	Dhanashree Shanbhag, Archana Bhatnagar, Shilpa Tulsankar, Tejashree Ambrale, Manjit Kaur Chauhan
08	HWWE-255	Health Related Physical Fitness Levels among the Male Workers Performing Moderate and Heavy Physical Activity	Prachi Patel, Rauf Iqbal and Harsh Bhasin
09	HWWE-257	Inhaled Particles Deposition in Human Respiratory Tract during Friction Stir Processing (FSP)	Nidhi Sharma, Suha K Shihab, Sushil Kumar Verma, Mohommed Ubaid and Dhruv Bajaj
10	HWWE-259	Analyzing the Important Factors Causing Fatigue in Industrial Workers Using Fuzzy MCDM Technique	Reshma Siddiquee, Suha Shihab, Noor Khan, Zahid Khan and Arshad Siddiquee
11	HWWE-37-E	Reduction of ergonomic hazard in manual handling of chemical barrels in paint industry	Raj Pradeesh T, Aravindraj .J
12	HWWE-38-E	Machine Safeguarding Risk Assessment (MSRA) in Textile Industry located in Tamilnadu	Thillainatarajan G, Raj Pradeesh T
13	HWWE-39-E	Workplace Ergonomic Risk Assessment (WERA) in Textile Industry located in Tamilnadu	Mohanasundar M , Raj Pradeesh T
14	HWWE-43-E	Ergonomic Hazards in Indian Mining Industry: an Overview	Masood Ahmed, A. J. Khan. F. N. Siddiquee, Ajhar Hussain
15	HWWE-47-E	Keep Moving!	Reena Valecha
16	HWWE-53-E	Ergonomic Design of an Assistive Device to Lifting Bricks for Bricklayers	Amol Agarwal, Aarta Prasad, Sanjay Srivastava
17	HWWE-57-E	Occupational health, safety and ergonomic issues in pulse processing (dal mill) units in north Karnataka	Qutubuddin S.M., Hebbal S.S. and M.Manzoor Hussain
18	HWWE-273	Qualitative Investigation of Occupational Health and Safety Practices in Sports Industries	Johny Khajuria, Lakhwinder Pal Singh, Sarbjit Singh and Arjan Singh

DAY 3 (10TH DECEMBER 2017)
SESSION V(B): GENERAL ENGINEERING
TIME: 11:30 – 01:00 PM

S.No	Paper Code	Paper Title	Author(s)
Lead Lecture (HWWE-132)		Effect of Nozzle Tip Distance in Minimum Quantity Coolant Assisted Turning of Ti-6Al-4V Alloy.	Vikas Upadhyay
01	HWWE-02-E	Satyan steering gear	Sathyanesan T Narayanan
02	HWWE-004	Factors effecting Aerobic Granulation from Sequencing Batch Reactor	Nadeem Khan
03	HWWE-034	Thermodynamic investigation of transpiration cooled gas turbine blade	Anoop Kumar Shukla, Meeta Sharma, Onkar Singh
04	HWWE-038	Hatchback Car Judder – An Investigative Analysis	Gowtham Mahalingam, Meeta Sharma
05	HWWE-056	Thermodynamic Analysis and Comparative Study of Helium Refrigeration Cycle	Mohammad Mansoor, Mohd Nabeel Khan, Ali Abbas Kazmi, Umar Muhammad, Nabeel Ahmad, M. Jamil Ahmad
06	HWWE-078	Nitrogen Refrigeration Cycle :Thermodynamic Analysis & Comparative Study	Mohammad Mansoor, Mohd Nabeel Khan, Mohd Nabeel Khan, Ali Abbas Kazmi, Umar Muhammad, Nabeel Ahmad, M. Jamil Ahmad
07	HWWE-091	Artificial Neural Network modelling of surface roughness during WEDM of Al6063 alloy	Thakur Singh, JP Misra, Pawan Kumar
08	HWWE-125	Microstructure Evolution in Dissimilar Friction Stir Welded Joints of Precipitation and Solution Hardening Aluminum Alloys	Chaitanya Sharma, Vishwdeep Sharma and Vikas Upadhyay
09	HWWE-150	Development of a laser based 3D co-ordinate measuring device and its application in measuring key dimensions of motorcycles	Muthaiah Arunachalam, Chirapriya Mondal, Sougata Karmakar
10	HWWE-165	Fatigue analysis of roll cage and optimisation	Ayush Anand, Hemant Lal, Akshay Ballal, L.N Pattanaik
11	HWWE-188	An Intelligent Garbage Monitoring System	Vinod Shinde, Ganesh Bhutkar, Virendra Pawar
12	HWWE-204	Industrial Defects Reduction using Quality Control Tools in Suzuki Power Train India Limited	Jafar Husain, Samar Khan, Obaidullah Khawar, Shahnwaz Ahmed, Arunesh Chandra, Abid Ali Khan
13	HWWE-23-E	Analysis of the critical factors for integration of sustainability with lean practices for Indian manufacturing enterprises	Sonal Khurana, Bisma Mannan, Dr. Abid Haleem
14	HWWE-33-E	Industrial and medical applications of ranque-hilsch vortex tube: a review	Arees Qamareen
15	HWWE-42-E	The exercise cycle integrated with grinder and generator - a way to conserve the energy	Shamshad Ali
16	HWWE-49-E	Experimental Study of Rate of Heat Release of Sprays in Supercritical Direct Injection Combustion System Using Sensor	Sanaur Rehman
17	HWWE-54-E	Experimental Study of Ignition and Combustion Characteristics of Dieseline Spray in Supercritical State	Sanaur Rehman, Ankur Mahavar, Arees Qamareen
18	HWWE-269	Overview of Garbage Monitoring System	Vinod Shinde and Ganesh Bhutkar
19	HWWE-270	Economic Implications of an Ergonomics Intervention in a Lock Assembly Unit	Saman Ahmad, Jamil Ahmad, Ammar Nemat, Mohd Zeeshan Ali, Mohd Arsam Naim and Md Shadab