**Research Notebook**

**COBSCCOMP212P-002 / 12857223**

**Task** – Introduction lecture to the final research and Harvard referencing lecture

Link to view collected research materials

**Tasks**

1. Finding some issues available in the world
2. Understanding the basics of research methodologies

**Available links**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| ELMS | http://dl.lib.mrt.ac.lk/handle/123/13931 | Weerasinghe, T.S.P., 2006. *Examination management system* (Doctoral dissertation). |
| Re-design the Classroom for Online Learning | https://www.researchgate.net/profile/Himendra-Balalle/publication/348176555\_Re-design\_the\_Classroom\_for\_Online\_Learning/links/5ff298a4299bf140886c616c/Re-design-the-Classroom-for-Online-Learning.pdf | Balalle, H. and Weerasinghe, L.T., Re-design the Classroom for Online Learning. |

**Selected topics**

1. ~~Application of psychological concepts of effective learning for ELMS~~
2. ~~Use of IoT to maintain the security of citizens (ethical and legal issues)~~

**Things to learn**

01) Cognitive reasoning

**Sample topics**

|  |  |
| --- | --- |
| Topic | Link |
| 10 Most Interesting Technology Research Topics | [10 Most Interesting Technology Research Topics | BestColleges](https://www.bestcolleges.com/bootcamps/guides/top-technology-research-projects/) |
| 224 Research Topics on Technology & Computer Science | [224 Research Topics on Technology & Computer Science (custom-writing.org)](https://custom-writing.org/blog/research-topics-on-technology-computer-science) |
| 130 Information Technology Research Topics And Quick Writing Prompts | [130 Top-Notch Information Technology Research Topics (thesishelpers.com)](https://www.thesishelpers.com/blog/information-technology-research-topics/) |
| Latest Topics for Pursuing Research in Technology and Computer science 2018-2020 | [Latest Topics for Pursuing Research in Technology and Computer science 2018-2020 – phdassistance](https://www.phdassistance.com/topic-selection/latest-topics-for-pursuing-research-in-technology-and-computer-science-2018-2020/) |
| 17 Sustainable Deveopment Goals (SDGs) | https://sdgs.un.org/goals |

**Available Links for research**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Digital competences of the workforce – a research topic? | https://www.emerald.com/insight/content/doi/10.1108/BPMJ-06-2016-0126/full/html | Murawski, M. and Bick, M., 2017. Digital competences of the workforce–a research topic?. *Business Process Management Journal*. |
| SciFinder Scholar 2006:  An Empirical Analysis of Research Topic Query Processing | https://pubs.acs.org/doi/abs/10.1021/ci050481b | Wagner, A.B., 2006. SciFinder Scholar 2006: an empirical analysis of research topic query processing. *Journal of chemical information and modeling*, *46*(2), pp.767-774. |

**Selected topics**

1. ~~Student monitoring application (already developed)~~

* <https://www.teacherswithapps.com/student-monitoring-apps-for-parents/>
* <https://www.gascloud.tech/tala.html>

1. ~~Substance abuse and mental health among university students (Application to prevent or self healing)~~

* ~~Is it practicable in Sri Lanka ?~~

**Available links for the research**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Understanding the Economic Issues in Sri Lanka’s Current Debacle | [Understanding the Economic Issues in Sri Lanka’s Current Debacle | ORF (orfonline.org)](https://www.orfonline.org/research/understanding-the-economic-issues-in-sri-lankas/) | [1] *Just a moment...* (no date). Available at: https://www.orfonline.org/research/understanding-the-economic-issues-in-sri-lankas/. |
| “In a Legal Black Hole”  Sri Lanka’s Failure to Reform the Prevention of Terrorism Act | [“In a Legal Black Hole”: Sri Lanka’s Failure to Reform the Prevention of Terrorism Act | HRW](https://www.hrw.org/report/2022/02/07/legal-black-hole/sri-lankas-failure-reform-prevention-terrorism-act) | [2]*“In a Legal Black Hole”* (2022). Available at: https://www.hrw.org/report/2022/02/07/legal-black-hole/sri-lankas-failure-reform-prevention-terrorism-act. |
| The Biggest Problem With Employee Rewards; How Can You Fix It? | [The Biggest Problem With Employee Reward; How Can You Fix It? (getbravo.io)](https://getbravo.io/biggest-problem-with-employee-rewards-how-can-you-fix-it/) | [3] Ali, S. (2022) *The Biggest Problem With Employee Rewards; How Can You Fix It?* Available at: https://getbravo.io/biggest-problem-with-employee-rewards-how-can-you-fix-it/. |

**Sample topics**

|  |  |
| --- | --- |
| Topic | Link |
| Issues relating to Performance Management and reward system | [(99+) Issues relating to Performance Management and reward system | LinkedIn](https://www.linkedin.com/pulse/issues-relating-performance-management-reward-system-mark-abdul/) |
|  | [Tamil nadu Engineering Admission Online Home - TNEA (tneaonline.org)](https://www.tneaonline.org/) |
|  | [TN MBA/MCA Online Counselling Home - MBAMCA (tn-mbamca.com)](https://www.tn-mbamca.com/) |

**Identified issues from the links**

1. Domestic Economy and tax cuts [1]
2. Balance of payment deficit [1]
3. IMF bailouts [1]
4. Agricultural reforms, FOREX crunch and inflation [1]
5. Downfall of tourism [1]
6. External debt and China factor [1]
7. Sri Lanka’s Abusive Counterterrorism Law [2]
8. Targeting Minorities [2]
9. Ongoing Violations Under the Prevention of Terrorism Act [2]
10. International Efforts on Rights Protection [2]
11. Compensation, benefits, recognition, and criterion issues in reward management [3]

**Selected topics**

1. ~~Developing a reward management system (already developed)~~
2. ~~Use of online counselling to keep effective and efficient HRM process~~

**Things to research**

1. Issues in existing reward management applications and examples for such applications.
2. Current situation in Sri Lanka (Triple deficit)
3. Issues in reward management

**Next Day Plan**

1. Read research papers - [Use of online counselling to keep effective and efficient... - Google Scholar](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Use+of+online+counselling+to+keep+effective+and+efficient+HRM+process&btnG=)

**Date- 24/11/2022**

**Topics to be researched**

Issues in the e-HRM process

**Available Links for the research**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| The Enabling Role Of Information Technology In The Global War For Talent: Accenture's Industrialized Approach† | https://onlinelibrary.wiley.com/doi/abs/10.1002/itdj.20103 | Beulen, E., 2008. The enabling role of information technology in the global war for talent: Accenture's industrialized approach. *Information Technology for Development*, *14*(3), pp.213-224. |
| Keeping Ahead Of The Game: Innovations And Challenges In E-Government In Malaysia | https://journals.sagepub.com/doi/abs/10.1177/1035304613508868 | Abdullah, N.R.W., Mansor, N.B. and Hamzah, A., 2013. Keeping ahead of the game: Innovations and challenges in e-government in Malaysia. *The Economic and Labour Relations Review*, *24*(4), pp.549-567. |
| Desired Goals And Actual Outcomes Of E-Hrm | https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1748-8583.2010.00149.x | Parry, E. and Tyson, S., 2011. Desired goals and actual outcomes of e‐HRM. *Human resource management journal*, *21*(3), pp.335-354. |
| Electronic Human Resources Management In An E-Business Environment | http://ojs.jecr.org/jecr/sites/default/files/11\_4\_p00.pdf | Laumer, S., Eckhardt, A. and Weitzel, T., 2010. Electronic human resources management in an e-business environment. *Journal of Electronic Commerce Research*, *11*(4), p.240. |
| Strategic Hrm As Social Design For Environmental Sustainability In Organization | https://onlinelibrary.wiley.com/doi/abs/10.1002/hrm.21504 | DuBois, C.L. and Dubois, D.A., 2012. Strategic HRM as social design for environmental sustainability in organization. *Human resource management*, *51*(6), pp.799-826. |

**Sample Topics**

|  |  |
| --- | --- |
| Topic | Link |
| Perspectives on e-HRM in the Multinational Setting | [isbn\_978-952-476-472-8.pdf (uwasa.fi)](https://www.uwasa.fi/materiaali/pdf/isbn_978-952-476-472-8.pdf) |
| The strategic value of e-HRM: results from an exploratory study in a governmental organizatio | [(PDF) The strategic value of e-HRM: results from an exploratory study in a governmental organization | Huub Ruel - Academia.edu](https://www.academia.edu/6065915/The_strategic_value_of_e_HRM_results_from_an_exploratory_study_in_a_governmental_organization) |

**Selected topics**

1. ~~Psychological counselling process to keep effective and efficient e-HRM~~
2. Appliance of industrial counselling towards e-HRM applications

Available Links for the topic 01

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Shaping Organization with e-HRM | http://ijimt.org/papers/10-M416%20p.pdf | Srivastava, S.K., 2010. Shaping Organization with e-HRM. International Journal of Innovation, Management and Technology, 1(1), p.47. |
| e‐HRM in Mexico: adapting innovations for global competitiveness | https://www.emerald.com/insight/content/doi/10.1108/01437720710778402/full/html | Olivas‐Lujan, M.R., Ramirez, J. and Zapata‐Cantu, L., 2007. e‐HRM in Mexico: adapting innovations for global competitiveness. *International Journal of Manpower*, *28*(5), pp.418-434. |
| A dark side of e-HRM: mediating role of HR service delivery and HR socialization on HR effectiveness | https://www.emerald.com/insight/content/doi/10.1108/IJM-01-2021-0038/full/html | Talukdar, A. and Ganguly, A., 2021. A dark side of e-HRM: mediating role of HR service delivery and HR socialization on HR effectiveness. *International Journal of Manpower*. |
| The unexpected side of relational e-HRM : Developing trust in the HR department | https://www.emerald.com/insight/content/doi/10.1108/ER-07-2013-0078/full/html | Bissola, R. and Imperatori, B., 2014. The unexpected side of relational e-HRM: Developing trust in the HR department. *Employee relations*. |

**Available Links for the topic 02**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| An Exploratory Study on Electronic Human Resource Management (E-HRM) Tools Implemented In Different Industry in Odisha | https://www.researchgate.net/profile/Monalisha-Patel/publication/325536219\_An\_Exploratory\_Study\_on\_Electronic\_Human\_Resource\_Management\_E-HRM\_Tools\_Implemented\_In\_Different\_Industry\_in\_Odisha/links/5bcad73ea6fdcc03c7966fb1/An-Exploratory-Study-on-Electronic-Human-Resource-Management-E-HRM-Tools-Implemented-In-Different-Industry-in-Odisha.pdf | Patel, M. and Dhal, S., 2017. An Exploratory Study on Electronic Human Resource Management (E-HRM) Tools Implemented In Different Industry in Odisha. *Asian Journal of Management*, *8*(4), pp.1405-1411. |
| Mass Personalization — An Internet-enabled Strategy for e-HRM | https://link.springer.com/chapter/10.1007/978-3-322-84526-9\_13 | Reiss, M., 2003. Mass Personalization—An Internet-enabled Strategy for e-HRM. In *Personalmanagement im Wandel* (pp. 285-309). Gabler Verlag. |

**Note**

Despite having the majority of HRM operations, contemporary e-HRM programmes lack the capabilities of an online industrial counselling service. (The contemporary e-HRM programmes also provide reward management tools.) Most workers are unlikely to participate in such meetings with the industrial counsellor during the offline industrial counselling procedure due to concerns about their privacy. In some cases, a company's human resources department's effectiveness and efficiency may be impacted by the psychological health of its employees. By using this programme, difficulties related to the workforce's mental and psychological health are reduced.

**Date- 25/11/2022**

**Things to be researched**

Affect of employees psychological condition towards effective HRM

**Links available**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Impact of employee participation on  job satisfaction, employee  commitment and employee  productivity | https://www.academia.edu/download/31222208/Bhatti.pdf | Bhatti, K.K. and Qureshi, T.M., 2007. Impact of employee participation on job satisfaction, employee commitment and employee productivity. *International review of business research papers*, *3*(2), pp.54-68. |
| Employee Mental Illness: Moving Towards a Dominant Discourse in  Management and HRM | https://researchbank.swinburne.edu.au/file/005faa85-45b5-436a-a498-178deb7f6fdd/1/PDF%20%28Published%20version%29.pdf | De Lorenzo, M.S., 2014. Employee mental illness: moving towards a dominant discourse in management and HRM. *International Journal of Business and Management*, *9*(12), p.133. |
| Human resource management and employee well-being: towards a new analytic framework | https://onlinelibrary.wiley.com/doi/abs/10.1111/1748-8583.12139 | Guest, D.E., 2017. Human resource management and employee well‐being: Towards a new analytic framework. *Human resource management journal*, *27*(1), pp.22-38. |
| The impact of cognitive dissonance on learning work behavior | https://www.emerald.com/insight/content/doi/10.1108/13665620610641300/full/html | Dechawatanapaisal, D. and Siengthai, S., 2006. The impact of cognitive dissonance on learning work behavior. *Journal of Workplace Learning*, *18*(1), pp.42-54. |
| Psychological capital: A positive resource for combating employee stress and turnover | https://onlinelibrary.wiley.com/doi/abs/10.1002/hrm.20294 | Avey, J.B., Luthans, F. and Jensen, S.M., 2009. Psychological capital: A positive resource for combating employee stress and turnover. *Human resource management*, *48*(5), pp.677-693. |

**Next Day Plan** – Search for functions of e-hrm applications

**Date – 26/11/2022**

**Things to be researched**

1. Functions of e-hrm applications
2. Available e-hrm services / websites

**1) Links available**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Research in e-HRM: Review and implications | https://www.sciencedirect.com/science/article/pii/S1053482206000829 | Strohmeier, S., 2007. Research in e-HRM: Review and implications. *Human resource management review*, *17*(1), pp.19-37. |
| The Influence of E-HRM on Modernizing the Role of HRM Context | https://www.mdpi.com/1745876 | De Alwis, A.C., Andrlić, B. and Šostar, M., 2022. The Influence of E-HRM on Modernizing the Role of HRM Context. *Economies*, *10*(8), p.181. |
| HRM University Systems and Their Impact on e-HRM | https://hal.archives-ouvertes.fr/hal-01567728/ | Al Shobaki, M.J., Naser, S.S.A., El Talla, S.A. and Amuna, Y.M.A., 2017. HRM University Systems and Their Impact on e-HRM. *International Journal of Information Technology and Electrical Engineering*, *6*(3), pp.5-27. |
| DESIGNING A MODEL FOR EVALUATING THE EFFECTIVENESS OF E-HRM (CASE STUDY: IRANIAN ORGANIZATIONS) | http://ijism.ricest.ac.ir/index.php/ijism/article/view/103 | Sanayei, A. and Mirzaei, A.B.A.S., 2012. Designing a model for evaluating the effectiveness of E-HRM (case study: Iranian organizations). *International Journal of Information Science and Management (IJISM)*, *6*(2), pp.79-98. |

**1) Available Links**

|  |  |
| --- | --- |
| Topic | Link |
| e-HRM | https://www.whatishumanresource.com/e-hrm |
| Functions of human resource management systems | [Functions of human resource management systems (zambianguardian.com)](https://www.zambianguardian.com/functions-of-human-resource-management-systems/) |
| 3 Ways Human Resources Applications Effectively Support and Enhance Your Business | [Human Resource Applications 2022 | Effective Applications of HRIS (selecthub.com)](https://www.selecthub.com/hris/the-three-types-of-hr-applications/) |
| TOP 10 FEATURES OF HR MANAGEMENT SYSTEM SOFTWARE | [Top 10 Features of Human Resource Management System (HRMS) Software (light-it.net)](https://light-it.net/blog/top-10-features-of-hr-management-system-software/) |

**2)Available links**

|  |  |
| --- | --- |
| Topic | Link |
| core HR (core human resources) | [What is core HR (core human resources)? - Definition from WhatIs.com (techtarget.com)](https://www.techtarget.com/searchhrsoftware/definition/core-HR-core-human-resources) |
| Workforce management software | [Best Workforce Management Software Systems 2022 | WFM Tools (selecthub.com)](https://www.selecthub.com/workforce-management-software/) |
| Strategic HR | https://strategichrinc.com/ |
| E-HRM: innovation or irritation? An exploration of web-based human resource management in five large companies | https://www.researchgate.net/publication/46676091\_E-HRM\_innovation\_or\_irritation\_An\_exploration\_of\_web-based\_human\_resource\_management\_in\_five\_large\_companies |

**Day - 27/11/2022**

**Topics should be researched**

1)Issues in industrial counselling

2)Issues faced by industrial counsellors

**1)Links Available**

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Inspiring Growth: A Counselling Framework for Industrial Psychology Practitioners | https://link.springer.com/chapter/10.1007/978-3-030-20020-6\_17 | Jorgensen-Graupner, L.I. and Zyl, L.E.V., 2019. Inspiring growth: A counselling framework for industrial psychology practitioners. In *Positive psychological intervention design and protocols for multi-cultural contexts* (pp. 381-404). Springer, Cham. |
| Counselling preparedness and responsiveness of industrial psychologists in the face of COVID-19 | http://www.scielo.org.za/scielo.php?script=sci\_arttext&pid=S2071-07632021000100028 | du Plessis, M. and Thomas, E.C., 2021. Counselling preparedness and responsiveness of industrial psychologists in the face of COVID-19. *SA Journal of Industrial Psychology*, *47*(1), pp.1-13. |
| Emerging Trends and Vexing Issues in Industrial and Organisational Psychology | https://iaap-journals.onlinelibrary.wiley.com/doi/abs/10.1111/j.1464-0597.1998.tb00018.x | Dunnette, M.D., 1998. Emerging trends and vexing issues in industrial and organisational psychology. *Applied Psychology*, *47*(2), pp.129-153. |
| Employee assistance programs: a review of the management of stress and wellbeing through workplace counselling and consulting | https://www.tandfonline.com/doi/abs/10.1080/00050060310001707137 | Kirk, A.K. and Brown, D.F., 2003. Employee assistance programs: A review of the management of stress and wellbeing through workplace counselling and consulting. *Australian psychologist*, *38*(2), pp.138-143. |

2)Links Available

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Emerging trends in carrer counselling | https://link.springer.com/article/10.1007/BF02449904 | Herr, E.L., 1992. Emerging trends in carrer counselling. *International Journal for the Advancement of Counselling*, *15*(4), pp.255-288. |
| Youth with refugee backgrounds in Australia: Contextual and practical considerations for career counsellors | https://journals.sagepub.com/doi/abs/10.1177/1038416215584406 | Abkhezr, P., McMahon, M. and Rossouw, P., 2015. Youth with refugee backgrounds in Australia: Contextual and practical considerations for career counsellors. *Australian Journal of Career Development*, *24*(2), pp.71-80. |
| Exploring the role of the industrial-organisational psychologist as counsellor : original research | https://journals.co.za/doi/abs/10.4102/sajip.v40i1.1193 | Barkhuizen, H., 2014. Exploring the role of the industrial-organisational psychologist as counsellor. *SA journal of industrial psychology*, *40*(1), pp.1-11. |

**Day - 28/11/2022**

**Topic**

digital literacy rate in Sri Lanka / world

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Digital Literacy, Business Uncertainty & Economic  Performance: An Empirical Study of Small Businesses in Sri  Lanka | https://www.researchgate.net/profile/H-M-S-Priyanath-2/publication/341216589\_Digital\_Literacy\_Business\_Uncertainty\_Economic\_Performance\_An\_Empirical\_Study\_of\_Small\_Businesses\_in\_Sri\_Lanka/links/5eb43c2e299bf1287f74170e/Digital-Literacy-Business-Uncertainty-Economic-Performance-An-Empirical-Study-of-Small-Businesses-in-Sri-Lanka.pdf | RVSPK, R., Priyanath, H.M.S. and Megama, R.G.N., 2020. Digital literacy, business uncertainty & economic performance: An empirical study of small businesses in Sri Lanka. *Journal of Academic Research in Business and Social Sciences*, *10*(5), pp.50-76. |
| An Assessment of Computer Awareness and Literacy among Entry-Level Sri Lankan Undergraduates: A Case Study | https://journal.icter.org/index.php/ICTer/article/view/81 | Tharanganie, T., 2011. An Assessment of Computer Awareness and Literacy among Entry-Level Sri Lankan Undergraduates: A Case Study. *The International Journal on Advances in ICT for Emerging Regions*, *4*(1). |
| Sri Lankan youth and their exposure  to computer literacy | https://www.academia.edu/download/68592599/fd959b49c00d9d35f00689fb837cbc1dbe08.pdf | De Silva, W., Kodikara, P. and Somarathne, R., 2014. Sri Lankan youth and their exposure to computer literacy. *Sri Lanka Journal of Advanced Social Studies*, *3*(1). |
| Factors Associating with Social Media related Crime Victimization: Evidence from the Undergraduates at a Public University in Sri Lanka  Nalaka, Suresh; Diunugala, Hemantha. | https://search.proquest.com/openview/af4dca44da5982a294ae40d0b0215192/1?pq-origsite=gscholar&cbl=55114 | Nalaka, S. and Diunugala, H., 2020. Factors associating with social media related crime victimization: Evidence from the undergraduates at a public university in Sri Lanka. *International Journal of Cyber Criminology*, *14*(1), pp.174-184. |
| Digital Literacy in the World of Digital Natives | https://www.igi-global.com/chapter/digital-literacy-in-the-world-of-digital-natives/259081 | Coskun, C., 2021. Digital literacy in the world of digital natives. In *Handbook of research on new media applications in public relations and advertising* (pp. 486-504). IGI Global. |
| The importance of digital literacy on the labour market | https://www.emerald.com/insight/content/doi/10.1108/ER-07-2019-0274/full/html | Bejaković, P. and Mrnjavac, Ž., 2020. The importance of digital literacy on the labour market. *Employee Relations: The International Journal*. |

**Date – 29/11/2022**

**Topic**

suicidal rates due to job dissatisfaction in Sri Lanka / world

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Psychological analysis of the Sri Lankan conflict culture with special reference to the high suicide rate. | https://psycnet.apa.org/record/2003-04962-006 | Bolz, W., 2002. Psychological analysis of the Sri Lankan conflict culture with special reference to the high suicide rate. *Crisis: The Journal of Crisis Intervention and Suicide Prevention*, *23*(4), p.167. |
| ‘I drank it to put an end to me’: Narrating girls’ suicide and self-harm in Sri Lanka | https://journals.sagepub.com/doi/abs/10.1177/006996671104600204 | Marecek, J. and Senadheera, C., 2012. ‘I drank it to put an end to me’: Narrating girls’ suicide and self-harm in Sri Lanka. *Contributions to Indian Sociology*, *46*(1-2), pp.53-82. |
| Suicide in Sri Lanka | https://link.springer.com/content/pdf/10.1007/0-306-47150-7\_19.pdf | Ratnayeke, L., 2002. Suicide in Sri Lanka. In *Suicide Prevention* (pp. 139-142). Springer, Boston, MA. |
| Stress, burnout, and job dissatisfaction in mental health workers | https://link.springer.com/article/10.1007/s00406-012-0353-4 | Rössler, W., 2012. Stress, burnout, and job dissatisfaction in mental health workers. *European archives of psychiatry and clinical neuroscience*, *262*(2), pp.65-69. |
| Suicidal Ideation and Attempts in Norwegian Police | https://onlinelibrary.wiley.com/doi/abs/10.1521/suli.33.3.302.23215 | Berg, A.M., Hem, E., Lau, B., Loeb, M. and Ekeberg, Ø., 2003. Suicidal ideation and attempts in Norwegian police. *Suicide and Life‐Threatening Behavior*, *33*(3), pp.302-312. |
| A Reanalysis of Occupation and Suicide: Negative Perceptions of the Workplace Linked to Suicide Attempts | https://www.tandfonline.com/doi/abs/10.1080/00223980.2017.1393378 | Howard, M. and Krannitz, M., 2017. A reanalysis of occupation and suicide: Negative perceptions of the workplace linked to suicide attempts. *The Journal of psychology*, *151*(8), pp.767-788. |
|  |  |  |

**Date – 30/11/2022**

**Topic**

How substance abuse of employees affects the employer

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| Hiring substance abusers: Attitudes of managers and organizational needs | https://www.tandfonline.com/doi/abs/10.1080/09687630701377421 | Negura, L. and Maranda, M.F., 2008. Hiring substance abusers: Attitudes of managers and organizational needs. *Drugs: education, prevention and policy*, *15*(2), pp.129-144. |
| Contrasting Organizational Responses to Alcohol and Illegal Drug Abuse among Employees | https://journals.sagepub.com/doi/abs/10.1177/002204268901900403 | Staudenmeier Jr, W.J., 1989. Contrasting organizational responses to alcohol and illegal drug abuse among employees. *Journal of Drug Issues*, *19*(4), pp.451-471. |
| Substance Abuse In The Workplace | https://clutejournals.com/index.php/JBER/article/view/2808 | Ashe, C. and Nealy, C., 2005. Substance abuse in the workplace. Journal of Business & Economics Research (JBER), 3(9). |
| A supervisor's role in workplace drug abuse | https://journals.lww.com/healthcaremanagerjournal/citation/1990/01000/a\_supervisor\_s\_role\_in\_workplace\_drug\_abuse.7.aspx | Mazzoni, J., 1990. A supervisor's role in workplace drug abuse. *The Health Care Manager*, *8*(2), pp.35-39. |

**Date – 01/12/2022**

**Topic**

Future generation, generation z, generation y, baby boomers, etc.

|  |  |  |
| --- | --- | --- |
| Name | Link | Citation |
| The employees of baby boomers generation, Generation X, Generation Y and Generation Z in selected Czech corporations as conceivers of development and competitiveness in their corporation | https://publikace.k.utb.cz/handle/10563/1007086 | Bejtkovský, J., 2016. The employees of baby boomers generation, generation X, generation Y and generation Z in selected Czech corporations as conceivers of development and competitiveness in their corporation. *Journal of Competitiveness*. |
| Generation Z as Consumers: Trends and Innovation | https://archive.iei.ncsu.edu/wp-content/uploads/2013/01/GenZConsumers.pdf | Wood, S., 2013. Generation Z as consumers: trends and innovation. *Institute for Emerging Issues: NC State University*, *119*(9), pp.7767-7779. |
| UNDERSTANDING THE ATTITUDE OF GENERATION Z TOWARDS WORKPLACE | https://www.researchgate.net/profile/Bhuvanesh-Sharma-3/publication/331346456\_UNDERSTANDING\_THE\_ATTITUDE\_OF\_GENERATION\_Z\_TOWARDS\_WORKPLACE/links/5c751d22458515831f7025d7/UNDERSTANDING-THE-ATTITUDE-OF-GENERATION-Z-TOWARDS-WORKPLACE.pdf | Gaidhani, S., Arora, L. and Sharma, B.K., 2019. Understanding the attitude of generation Z towards workplace. *International Journal of Management, Technology and Engineering*, *9*(1), pp.2804-2812. |
| Defining generations: Where  Millennials end and Generation  Z begins | http://tony-silva.com/eslefl/miscstudent/downloadpagearticles/defgenerations-pew.pdf | Dimock, M., 2019. Defining generations: Where Millennials end and Generation Z begins. *Pew Research Center*, *17*(1), pp.1-7. |
| ‘True Gen’: Generation Z and its  implications for companies | http://www.drthomaswu.com/uicmpaccsmac/Gen%20Z.pdf | Francis, T. and Hoefel, F., 2018. True Gen’: Generation Z and its implications for companies. *McKinsey & Company*, *12*. |

**Date – 2/12/2022**

**Finalize the research topic 01**

* 1. Appliance of industrial counselling towards modern e-HRM applications
  2. Appliance of educational counselling towards modern e-LMS applications

**Note**

The participants' privacy is a concern in the process of industrial counselling for efficient human resource management (employees). Although e-HRM solutions have been created, they do not have the capacity to maintain the psychological well-being of employees. Employee dissatisfaction and lack of motivation results in decreased productivity and production for the businesses, which negatively impacts their reputation. Additionally, top management may improperly participate in certain manual industrial counselling sessions for employees, which only serves to increase their stress and dissatisfaction.

To maintain the participants' anonymity, this suggested solution would construct a distinct, independent site for the industrial counsellor and the employees. (The counsellor and employee will be the sole participants in the session; senior management personnel cannot interject.) Job specification, recruiting, and other e-HRM application features will be introduced to the management side of the programme..

**Date – 03/12/2022**

**Topic**

Start Building a prototype for the proposed application

Link - https://www.figma.com/file/9cHzyE7HPGctCSatxAOb0s/Topic-01-Expected-Solution?node-id=0%3A1&t=Bb7yfWAj8ohLZFRT-1

**From 04/12/2022 to 23/12/2022 – iGNLP, CHRM, Hypnotherapy practitioner, Psychology and counselling Exams**

**Date – 24 / 12 / 2022**

**Task**- going through the research topics of previous batches

|  |  |
| --- | --- |
| Topic | Related Links |
| Effective and User-friendly Application for Pet owners to connect with Veterinarians and other Domestic animal related services  (already created) | [The Ultimate List of Veterinary Software with a Downloadable Checklist (vetstoria.com)](https://www.vetstoria.com/blog/the-ultimate-list-of-veterinary-software/) |
|  | [Best Pet Care App Ideas in 2022 - Oyelabs - Driving Business Value](https://oyelabs.com/best-pet-care-app-ideas/) |
|  | [10 Best Apps For Every Pet Parent (mypet.com)](https://www.mypet.com/basic-pet-care/10-best-apps.aspx) |
| Improve Sustainability of the Sri Lankan Batik Industry (Somewhat new) | [Improving sustainability and encouraging innovation in traditional craft sectors: the case of the Sri Lankan handloom industry | Emerald Insight](https://www.emerald.com/insight/content/doi/10.1108/RJTA-09-2019-0041/full/html) |
|  | [chapter05.pdf (uom.lk)](http://dl.lib.uom.lk/bitstream/handle/123/10706/chapter05.pdf?sequence=6&isAllowed=y) |
|  | [(PDF) Improving sustainability and encouraging innovation in traditional craft sectors: the case of the Sri Lankan handloom industry (researchgate.net)](https://www.researchgate.net/publication/354748844_Improving_sustainability_and_encouraging_innovation_in_traditional_craft_sectors_the_case_of_the_Sri_Lankan_handloom_industry) |
| An ICT approach to identify suitable business locations (New Idea) | [ENVIRONMENTALLY SUSTAINABLE ICT: DEVELOPING CORPORATE CAPABILITIES AND AN INDUSTRY-RELEVANT IS RESEARCH AGENDA (aisnet.org)](https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1239&context=pacis2008) |
|  | [1-11.pdf (ukm.my)](http://journalarticle.ukm.my/6055/1/1-11.pdf) |
| Minimizing job opportunity barriers for applicants and recruiters through insightful connections (Pending) | [4200 Ch04 (researchgate.net)](https://www.researchgate.net/profile/Howard-Aldrich/publication/243462925_Smaller_but_not_necessarily_weaker_How_small_businesses_can_overcome_barriers_to_recruitment/links/5b53a1cc0f7e9b240ff96bfb/Smaller-but-not-necessarily-weaker-How-small-businesses-can-overcome-barriers-to-recruitment.pdf) |
|  | [Perceived organizational barriers to women's career advancement in Lebanon | Emerald Insight](https://www.emerald.com/insight/content/doi/10.1108/17542411011069882/full/html) |
|  | [The barriers to the recruitment and retention of supervisors/managers in the Scottish tourism industry | Emerald Insight](https://www.emerald.com/insight/content/doi/10.1108/09596110610673529/full/html?fullSc=1&mbSc=1) |
| Weight Management System (pending) | Question – Meaning of the ‘weight’ isn’t clear |
| Effective Samurdhi Candidate Selection through Information Technology Solutions  (Somewhat new) | [Circulars (samurdhi.gov.lk)](https://www.samurdhi.gov.lk/web/index.php/en/circular/circulars.html) |
|  | [eSamurdhi | ශ්‍රී ලංකා තොරතුරු හා සන්නිවේදන තාක්ෂණ නියෝජිතායතනය - ICTA](https://www.icta.lk/projects/esamurdhi/) |
| AYURVEDIC PLANT IDENTIFICATION  (There are similar publications) | [Microsoft Word - 15\_44062 - IJAER ok 5142- (researchgate.net)](https://www.researchgate.net/profile/Pushpa-B-R/publication/303369344_169Ayurvedic_plant_species_recognition_using_statistical_parameters_on_leaf_images/links/5c57c64792851c22a3a7c9c1/169Ayurvedic-plant-species-recognition-using-statistical-parameters-on-leaf-images.pdf) |
|  | [IRJET-V5I567-libre.pdf (d1wqtxts1xzle7.cloudfront.net)](https://d1wqtxts1xzle7.cloudfront.net/58241633/IRJET-V5I567-libre.pdf?1548247773=&response-content-disposition=inline%3B+filename%3DIRJET_Identification_of_Ayurvedic_Medici.pdf&Expires=1671976948&Signature=WQohwKPeoY6-LErqW~V4FGtw-bgNvnTJik48M9e2eSEmNjrb8rqGOFTh0fLyKQUlD595hbBZbPbWBnMsEP5riHEgdeHJxi3yoAZB6zW5lLk11OBY5oOstvwQA7t0LvdldsqUeut1G56cWc4fDbRgSDvXSWQM5SuJipSVbMn8e~iCxMZq~P2ZvEvVY0XlqeRm552OBSk0Tvh3ZqBq7OjBC~SlzA~6RHKRW2iC8b-9q9j~ouladfZEIIQTRQIhsFwI2umeA1tXuuqgMYUtFH9dsOWgqDFut0EeJ-TjRsnDB9hzvvZ4bnPjnmyXCvhCzN3CGX4EVmjw01S3HVfxzWt0UA__&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA) |
| O/L Student Result analyze and Vocational Training (New) | [Tertiary and Vocational Education Commission (tvec.gov.lk)](https://www.tvec.gov.lk/) |
|  |  |
| A centralized web platform to identify disaster relief requirements and monitoring of relief distributions (New- But,Similar publications Available) | [ndrf.pdf (fema.gov)](https://www.fema.gov/pdf/recoveryframework/ndrf.pdf) |
|  | [The Advanced Health and Disaster Aid Network: A Light-Weight Wireless Medical System for Triage | IEEE Journals & Magazine | IEEE Xplore](https://ieeexplore.ieee.org/abstract/document/4410457) |
| Temple Assistance System (New) | [Food Fight: The Politics of the Food Industry - Kristin Wartman, 2012 (sagepub.com)](https://journals.sagepub.com/doi/abs/10.4179/NLF.213.0000010?journalCode=nlfa) |
|  |  |
| chemical fertilizer and consuming unhealthy toxic food (New) | [Effective Microorganisms: A Biotechnology for Mankind (infrc.or.jp)](https://www.infrc.or.jp/knf/PDF%20KNF%20Conf%20Data/C1-2-001.pdf) |
|  | [Effects of Food Production and Consumption on Environment and Climate | SpringerLink](https://link.springer.com/chapter/10.1007/978-981-33-6915-3_36) |
| IMPROVEMENT OF ACADEMIC PERFORMACE THROUGH SITUATION BASED SUGGESIONS  (Already developed in foreign countries) | [A study of the relationships between distributed leadership, teacher academic optimism and student achievement in Taiwanese elementary schools: School Leadership & Management: Vol 31, No 5 (tandfonline.com)](https://www.tandfonline.com/doi/abs/10.1080/13632434.2011.614945) |
| IOT-BASED DIGITAL BILLBOARD DIRECT ADVERTISING PLATFORM WITH AI-DRIVEN DATA ANALYSIS (New) |  |
| Conservation of wildlife spatial-ecological patterns from biological invasions and climate change through IoT monitoring (New) |  |
| Centralized Platform to Handloom Industry  (Already developed in foreign countries) |  |
| Teachers Replacement System (Proposed in some research papers) | [To Recruit or Not to Recruit: Teacher Replacement 1974 - Stephen Sivulich, 1974 (sagepub.com)](https://journals.sagepub.com/doi/abs/10.1177/019263657405838609) |
|  | [Teacher Turnover, Teacher Quality, and Student Achievement in DCPS - Melinda Adnot, Thomas Dee, Veronica Katz, James Wyckoff, 2017 (sagepub.com)](https://journals.sagepub.com/doi/abs/10.3102/0162373716663646) |
| ENHANCING THE TOURISM INDUSTRY BY USING AUGMENTED REALITY (Idea already developed) | [How to use augmented reality (AR) in the tourism indust... | Mews Blog](https://www.mews.com/en/blog/augmented-reality-ar-tourism#:~:text=A%20regular%20tourist%20map%20can,from%20their%20smartphones%20in%203D.) |
|  | [How Augmented Reality (AR) is Revolutionising the Travel Industry (revfine.com)](https://www.revfine.com/augmented-reality-travel-industry/) |
| Tourist Security Assurance (New idea to Sri Lanka) | [Security assurance still inadequate to convince tourists - Opinion | Daily Mirror](https://www.dailymirror.lk/opinion/Security-assurance-still-inadequate-to-convince-tourists/172-168097) |
|  | [Travel Security Services | Allianz Care](https://www.allianzcare.com/en/personal-international-health-insurance/products-and-services/travel-security-services.html) |
| IT based Cultural Puppetry Performance system to enhance puppetry in Sri Lanka (New Idea) | [SAVING SRI LANKAN PUPPETRY | Daily News](https://www.dailynews.lk/2018/04/20/features/148712/saving-sri-lankan-puppetry) |
|  | [The Art of Puppetry in Sri Lanka | Watching lanka](https://www.watchinglanka.com/the-art-of-puppetry-in-sri-lanka/) |
|  | [Illumination of Sri Lankan Folk art, ‘’Puppets’’ (news.lk)](https://www.news.lk/news/sports-travel/item/7852-illumination-of-sri-lankan-folk-art-puppets) |
| Monitoring system for Human Consumption of Artificial Food Additives(New) | [Evaluating Hazards Posed by Additives in Food- A Review of Studies Adopting A Risk Assessment Approach (foodandnutritionjournal.org)](https://www.foodandnutritionjournal.org/volume3number3/evaluating-hazards-posed-by-additives-in-food-a-review-of-studies-adopting-a-risk-assessment-approach/) |
|  | [Foods | Free Full-Text | Consumer Cognition Analysis of Food Additives Based on Internet Public Opinion in China (mdpi.com)](https://www.mdpi.com/2304-8158/11/14/2070) |
| Marine pollution in sri-lanka (New) | [Oil, acid, plastic: Inside the shipping disaster gripping Sri Lanka (unep.org)](https://www.unep.org/news-and-stories/story/oil-acid-plastic-inside-shipping-disaster-gripping-sri-lanka#:~:text=The%20ship's%20cargo%20included%2025,plague%20Sri%20Lanka%20for%20years.) |
|  | [Marine Plastic Pollution: Opportunities for Sri Lanka - The Lakshman Kadirgamar Institute (lki.lk)](https://lki.lk/blog/marine-plastic-pollution-opportunities-for-sri-lanka/) |
|  | [MARINE POLLUTION | Daily News](https://www.dailynews.lk/2017/11/17/features/134764/marine-pollution) |
| Avoid Infecting Diseases due to Climate Changes (New) | [Climate change and communicable diseases | The BMJ](https://www.bmj.com/communicable-diseases) |
|  | [Climate change and infectious diseases | What We Do | NCEZID | CDC](https://www.cdc.gov/ncezid/what-we-do/climate-change-and-infectious-diseases/index.html) |
| Bus Transport and Bus Seat Management System in Sri Lanka (Already developed in other countries) |  |
| Introducing a Technical Solution for Identifying Talented Athletes from School Levels up to National Levels (New) | [Identification and development of sport talent: a brief introduction t (taylorfrancis.com)](https://www.taylorfrancis.com/chapters/edit/10.4324/9780203850312-6/identification-development-sport-talent-brief-introduction-growing-field-research-practice-steve-cobley-j%C3%B6rg-schorer-joseph-baker) |
|  | [Solving sport’s ‘relative age’ problem: a systematic review of proposed solutions: International Review of Sport and Exercise Psychology: Vol 13, No 1 (tandfonline.com)](https://www.tandfonline.com/doi/abs/10.1080/1750984X.2019.1675083) |
| Prison Labour Service Optimization (New to Sri Lanka) | [Rethinking labor in prison | BearingPoint](https://www.bearingpoint.com/en/insights-events/client-stories/rethinking-labor-in-prison/) |
|  | [(PDF) Reducing Prison Costs through Prison Labour: A Law and Economics Approach (researchgate.net)](https://www.researchgate.net/publication/307905871_Reducing_Prison_Costs_through_Prison_Labour_A_Law_and_Economics_Approach) |
| Social media advertising hub for advertisers and popular page admins/public figure (Pending) |  |
| Daycare Management System (Already developed) |  |
| Identifying Issues of the Vehicle Rental Industry (Already researched) |  |
| Construction Companies Rating System  (Already developed in other countries) |  |
| Bus Service Evaluation System for SLTB  (Already developed in other countries) |  |
| Job Candidates Skill Measuring System (Pending) |  |
| Food Freshness Identification |  |
| Wave condition forecasting using wind speed for surfers (New) | [Riding waves of intra-seasonal demand in surf tourism: analysing the nexus of seasonality and 21st century surf forecasting technology: Annals of Leisure Research: Vol 23, No 2 (tandfonline.com)](https://www.tandfonline.com/doi/abs/10.1080/11745398.2018.1491801) |
|  | [Production of sea spray aerosol in the surf zone - Leeuw - 2000 - Journal of Geophysical Research: Atmospheres - Wiley Online Library](https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2000JD900549) |
| Implementing an advanced mobile-based security tracking management system for Ladies.  (pending) |  |
| Online lecture student behavioral and attendance tracking using Artificial Intelligence and Machine Learning  (New) |  |
| Introducing Technical Solution using Machine Learning (ML) for Curriculum Development System |  |
| SUPERMARKET COVID-19 TRACKING AND VIRUS SPREAD PREVENTION SYSTEM |  |
| A Study to Evaluate the use of NLP and Deep Learning Methods to Prepare Candidate for Job Interviews |  |
| DIFFICULTY OF SHARE THE KNOWLADGE THROUGH EMPLOYEE IN AN ORGANIZATION |  |
| Primary School Software |  |
| ICT-based Agricultural Field Support and Guidance System |  |
| Automating Sri Lankan Judicial Court Cases Reference System |  |
| Elephant Maintenance and Breeding Mobile Application |  |
| STREAMLINE THE COMPLAIN SYSTEM FOR HEALTH OVERHAUL AT LINE MINISTRY HOSPITALS IN SRI LANKA |  |
| Onemental fish feeding application. |  |
| Smart medical Box |  |
| Gem miners tracking & saftey helmet |  |
| Smart bracelet for minor health monitoring |  |
| Detecting terrorist travelling online. |  |
| Factory staff human speed detection. |  |
| Customer Feedback System |  |
| Tourists special preferences about local items. |  |
| Deaf and Dump people communication |  |
| Sea and Land water contamination(Need better solution) |  |
| Virtual house maid |  |
| Souce code readability |  |
| Personalized Hotel Reservations for special occations. |  |
| Idintification of road blocks,accident cases |  |
| Water consumption and predictions. |  |
| Pertilizer and items distribution. |  |
| Pets selection. |  |
| Monitoring for the early detection of silent hypoxia among self-quarantine Covid-19 patients |  |
| Online education for special needs students. |  |
| Early detection of ATM failure |  |
| Virtual tour guide |  |
| High valued trees protection and precautions. |  |
| Vehicle Driving Assitance |  |
| Recommendation system for public sector senior positions. |  |
| School prefects selection |  |
| Animal idintification in national parks |  |
| COVID traffic control and vehicle tracking application |  |
| Agricultural Food consumption and production control |  |
| Criminal case analysis |  |
| Covid vaccination effectiveness Monitoring |  |
| Crops revenue maximization. |  |
| Building Feasibility Monitoring |  |
| Vehicle selections for people |  |
| Import control over consumption and production |  |
| Toddler Behaviour Detection |  |
| Laboratory report analysis and Recommendations. |  |
| Online music practicing and recording application. |  |
| COVID Risk Detection and Alerting |  |
| Right fruits idintification for farmers, |  |
| Onemental plants growing feasibility |  |
| Finding mentol abnomality of pets. |  |
| Smart coffee machine |  |
| Weak students progress tracking in schools |  |
| Premature baby care application for mothers. |  |
| Organic pertilizer production effectiveness application. |  |
| Cosmetics and consumer safty. |  |
| Cricket player evaluation and selection**(Need scope clearance)** |  |
| Performance evaluation of politicians in Sri Lanka. |  |
| Performance evaluation of school teachers. |  |
| Jewellery Shops Security Enhancement |  |
| Fake contents idintification on social medias |  |
| Air contents analysis. |  |
| Kids toys recommendation |  |
| Astrological predictions analysis |  |
| Travel and Trafic Management |  |
| COVID vaccine side effect monitoring |  |
| Idintification of dangerous places and animals. |  |
| Predicting people behind criminal cases. |  |
| Retired people knowledge contribution |  |
| Interview procedure and behavior analysis |  |
| Detecting Robberies in banks and supermarkets  using Activity Recognition in Computer Vision |  |
| Changes the profile mode according to the required  location and gives notification |  |
| Detect abnormal behavious of animals in the zoo |  |
| Electric Vehicles Battery Consumption |  |
| Identify dengue mosquito breeding places |  |
| Detecting and alerting adherence to covid guidelines for wedding and party |  |
| Detecting and Preventing House-hold fire |  |
| obtain the documents needed and  directions |  |
| Predicting serial killer behaviors in teenagers |  |
| Tea plant management system. |  |
| Medical officers transfer |  |
| Corona severity idintification |  |
| Skin Issues |  |
| Bridle dressing application |  |
| ser's preferences identification from social medias and automatically |  |
| Players performance monitoring and guiding system |  |
| Wi-Fi Signal-Based Security Alerting System |  |
| Smart Backpack |  |
| Smart Supermarket |  |
| Objects detecting tool for blind person |  |
| hereditary diseases identification |  |
| English accent training application |  |
| Solution for getting legal actions to increase illegal pricing |  |
| Vehicle Emissions Measuring System at Highway Tollbooth. |  |
| Educational Web Conferencing Platform That Incorporates Augmented Reality and Artificial Intelligence for Determining Student Satisfaction Through Emotion Analysis. |  |
| Smart wireless healthcare communication manipulation System for geriatric people |  |
| Deaf people sound understand & supporting/emergency alerting  system using vibration band and mobile application. |  |
| Wearable/Portable Device paired with Mobile App to track location, health, stress level, etc and auto alert relevant contacts, to ensure safety of individuals |  |
| Road development project phase management system |  |
| Solution to skip advertisements in a tv program. |  |
| Research Topic- Crimes Evidence protect and analysis system |  |
| a platform to help share grief and loss |  |
| Food palaning with meal and related exercise analyser |  |
| AI based collaborative note application for students |  |
| A solution to the unfairness caused by not getting the price paid to the customer due to tar binding of the gas cylinder. |  |
| Area base health instruction system and spread mapping of disease with people health inquiry using questions |  |
| Coconut diseases and pests related infection detection  system with harvesting management system |  |
| Predicting serial killer behaviors in teenagers |  |
| Driver Abnormality Detection System |  |
| Pitching Sri Lankan degree's and education for world market |  |
| Stress detection system |  |
| Poultry farm management system |  |
| Video Conferencing applications Disconnections analyzer |  |
| Mobile Spec's |  |
| Office Transport Alert System |  |
| Crowd management for tourist safety purpose in the world heritage site of sigiriya |  |
| Coconut palm wine app and blockchain tracking |  |
| Centralized data platform to monitor and predict the Prevalence of Chronic Kidney Disease of unknown etiology(CKDu) in Srilanka using Machine Learning |  |
| A machine learning approach to rationally dispatch law enforcement officers among divisions |  |
| Web platform for used book sharing |  |
| IoT base air and water pollution secure and online monitoring system |  |
| A secure online electoral system for citizens to vote in order to achieve e-democracy in the country |  |
| Development of a mobile application to overcome challenges and issues faced by foreign visitors who visit and attempting to visit Ancient Technological Museum in Polonnaruwa, Sri Lanka |  |
| Single phase Domestic Rooftop Grid-tied Photovoltaics Systems Energy Monitoring, Forecasting, Data Analytics and Visualization (Smart Electricity Tracking Engine) |  |
| Minimize Excess Harvest by Analyzing the Vegetable Consumption Patterns Using Machine Learning to Facilitate Effective Vegetable Production |  |
| Vehicle Spare Parts Controlling System for Automobile Industry in Sri Lanka |  |
| Development of a web application using deep learning algorithms to overcome challenges and issues in Ministry Of Health and minimize natural miscarriage rate in Sri Lanka |  |
| E tailoring system |  |
| COVID-19 Contact Tracing Mobile Application Using QR & GPS Technologies |  |
| Data-platform for Acoustic insect identification |  |
| Centralized data platform to Management and distribution of lake water for Agriculture in Sri Lanka |  |
| Social Media Content and post filtering Application |  |
| Effective Advertising |  |
| Study on Market Data Driven Machine Learning Approach to Land Valuation in Western Province of Sri Lanka |  |
| School Admission System |  |

**New Ideas**

Platform for paramedics training to face Sri Lankan medical emergencies

|  |  |  |
| --- | --- | --- |
| Topic | Link | Citation |
| Emergency medicine in Nepal: present practice and direction for future | https://intjem.biomedcentral.com/articles/10.1186/s12245-016-0118-3 | Pandey, N.R., 2016. Emergency medicine in Nepal: present practice and direction for future. *International journal of emergency medicine*, *9*(1), pp.1-6. |
| Strengthening SEA Region EMTs for health emergency response | [Strengthening SEA Region EMTs for health emergency response (who.int)](https://apps.who.int/iris/handle/10665/273959) | World Health Organization, 2018. *Strengthening SEA Region EMTs for health emergency response* (No. SEA/RC71/11). World Health Organization. Regional Office for South-East Asia. |
| Emergency medical care in developing countries:  is it worthwhile? | [80n11a11.pdf (scielosp.org)](https://www.scielosp.org/pdf/bwho/v80n11/80n11a11.pdf) | Razzak, J.A. and Kellermann, A.L., 2002. Emergency medical care in developing countries: is it worthwhile?. *Bulletin of the World Health Organization*, *80*(11), pp.900-905. |