GENERAL HEALTH AND SAFETY RISK ASSESSMENT FORM

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| Site | **1991** | **Department** | **School of Computer Science** | | **Version / Ref No.** | **CS1/1991.2** |
| **Activity Location** | **Computer Science** | **Activity Description** | **Return to Campus COVID-19: Building Risk Assessment**  General safe operation of routine teaching, research, learning and administration within the School of Computer for staff, students and other visitors in regard to COVID-19. | | | |
| **Assessor** | **Bertram Dandy** | **Assessment Date** | **04/09/20** | **Date of Assessment Review** | **04/10/20** | |
| **Academic / Manager Name** | **Emma Melia** | **Academic / Manager Signature** |  | | | |

| Hazard Assessment | | | | Control Assessment | | | | | | | | | Actions | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hazard Category | Hazards Identified | Who might be harmed?  Staff  Students  Contractors  Others | How might people be harmed? | Existing Control Measures | Initial Risk Rating | | | Are these adequate?  Yes/No | Changes to/ Additional Controls | Residual Risk Rating | | | Owner | Due  Date | Action Complete |
| S | L | R | S | L | R |
| Organisational | Psychological well being | Staff, Students.Visitors, Cleaning staffs, contractors/estates staffs | Anxiety and stress caused by concerns around returning to work and studies on Campus | Regular communication is in place (individual and group) via email communications, one to one meetings, health and safety committees/forums University Safety intranetto ensure staff and students are not ill-informed about returning to work safely.  Advice is shared with staff members and staff have been fully briefed and kept up to date with current advice on staying protected through the University’s lines of communications (i.e. line managers, Internal Comms) and shared with staff via team meeting, one to one meetings, health and safety committees/forumsand the University’s Coronavirus FAQs [click here](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx).  Risk assessment shared with staff and an electronic copy is available on the [Bham.ac.uk/Computer Science/H&S Intranet](https://intranet.birmingham.ac.uk/eps/eps-school-intranets/computer-science/health-safety/index.aspx)  New workplace/controls put in place to reduce risk of exposure to COVID 19 are documented in procedures and policies and disseminated to employees through Line Managers and intranet. These include:   * ***Social distancing: General guidance for staff and students*** * ***Social distancing: Buildings adaptations guidance*** * ***Social distancing***: ***Product solutions booklet*** * ***Social distancing: Building checklist*** * ***On-line induction materials for returning to campus***: combination of the guidance and videos.   <https://intranet.birmingham.ac.uk/staff/coronavirus/essential-resources-and-checklist.aspx>   * ***Return to Campus COVID-19: Building Risk Assessment* (This completed Risk Assessment)**   Line managers are aware of how big changes to working arrangements may cause additional work-related stress and affect their employees’ mental health and wellbeing and individuals have been made aware via induction, team meeting, one to one meetings, health and safety committees/forums of guidance available in relation to this:  <https://www.hse.gov.uk/stress/>  <https://intranet.birmingham.ac.uk/staff/coronavirus/Coronavirus-wellbeing-support.aspx>  <http://www.selfhelpguides.ntw.nhs.uk/birmingham/leaflets/selfhelp/Stress.pdf> | 4 | 2 | 8 | Yes |  |  |  |  |  |  |  |
| Organisational | Psychological well being | Staff, Students | Anxiety and stress caused by concerns around returning to work on Campus | Managers hold regular informal discussionswith their team and look at ways to reduce causes of stress.  Managers are in regular contact via email, Skype/team calls  Concerns on workload issues or support needs are escalated to line manager via regular 1 to one meeting  Staff who are in clinically vulnerable groups themselves and identified to be considered in ‘at risk’ groups are encouraged by line managers to discuss their support needs to ensure additional measures are put in place to protect them including working from home.  Staff who are in the clinically extremely vulnerable group may be at high risk of serious illness if they catch coronavirus (COVID-19) must discuss their support needs with their line manager to ensure a specific individual risk assessment is carried out and additional measures are put in place to protect them including continuing to work from home.  <https://www.gov.uk/government/publications/guidance-on-shielding-and-protecting-extremely-vulnerable-persons-from-covid-19/guidance-on-shielding-and-protecting-extremely-vulnerable-persons-from-covid-19#who-is-clinically-extremely-vulnerable>  Employees invited to return back to work on Campus who have concerns have discussed these with their line manager or supervisor using the University’s Covid-19 Return to Campus Discussion Form and where necessary an occupational health referral has been made using the [Occupational Health Referral for Covid-19 Assessment Form](https://intranet.birmingham.ac.uk/hr/documents/public/Wellbeing/Covid-19-Return-to-Campus-Discussion-Form.docx).  <https://intranet.birmingham.ac.uk/hr/wellbeing/index.aspx>  Employees are made aware of support mechanisms available to them (e.g. counselling, occupational health, HR, etc.) through line managers, internal communications and University webpages:  <https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx>  <https://intranet.birmingham.ac.uk/hr/wellbeing/index.aspx>  <https://intranet.birmingham.ac.uk/hr/wellbeing/workhealth/index.aspx>  This link is for students:  <https://intranet.birmingham.ac.uk/student/coronavirus/Wellbeing.aspx> | 3 | 2 | 6 | Yes |  |  |  |  |  |  |  |
| Biological | Virus transmission in the workplace | Staff, Students, Visitors, Contractors, Estates workers, Cleaning staffs | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | ***Social distancing: Computer Science Building checklist***has been completed to identify the control measures to consider reducing the risk of workplace infections.  Staff continue to work remotely where possible.  Managers ensure staff with any form of illness do not attend work until the illness has been verified as not being Covid-19.  Managers keep track of when staff can return to work after the symptom free period.  The University’s [***On-line induction materials for returning to campus***](https://intranet.birmingham.ac.uk/staff/coronavirus/essential-resources-and-checklist.aspx) combination of the guidance and videos have been provided and completed for all staff returning to work in University buildings*.*  To help with consistency and adherence to building specific measures such as access routes, occupancy limits etc. staff from other departments accessing the building (such as cleaning and Estates) have received a building specific induction including information and on site induction.  Schedules for essential services and contractor visits revised to reduce interaction and overlap between people e.g. rotas in place, and time slots for one off visitors. Clear instructions for arrival and departure. These instructions will be lease with the contractors by one of the operational staff who will give building induction and access to designated work area.  Un-essential trips within buildings and sites discouraged and reduced, e.g continuing to use online meetings | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Environmental | Virus transmission in the workplace due to lack of social distancing | Staff, Students, Visitors | Exposure to respiratory droplets carrying COVID-19 from an infectious individual transmitted via sneezing, coughing or speaking. | Workplace routines changed to ensure room/building capacity calculated to maintain social distancing is not exceeded including:   * Arrival and departure times at work have been staggered to reduce crowding into and out of the workplace, taking account of the impact on those with protected characteristics. * Staff have been separated into teams to reduce contact between employees. * Fixed teams or adjusted booking processes in use to reduce the number of people in a lab at the same time to avoid overcrowding. * Job and location rotation reduced – no hot desking.   To help contain clusters and outbreaks and assist the University with any requests for data by the NHS Test and Trace service a temporary record of shift patterns and teams is kept for 21 days.  Work has been arranged so that staff are able to maintain the government guidelines for social distancing based on our industry which are included in the ***Social distancing:* Computer Science *Building checklist***  (The latest Guidance on these measures can be found by clicking the following link [Social Distancing Guidelines](https://www.gov.uk/guidance/social-distancing-in-the-workplace-during-coronavirus-covid-19-sector-guidance#shops-running-a-pick-up-or-delivery-service)).  One and two way flow systems implemented and visual aids, such as floor strips, signage are used for maintaining social distancing throughout the building/workplace.  Staff activities are segregated to promote the social distancing rules including:   * Work stations moved or staff relocated. Provision of additional screens where needed to segregate people. Desks are arranged with employees facing in opposite directions. Display Screen Equipment (DSE) assessments reviewed and revised. * Areas of work marked out with floor tape to ensure adequate social distancing is in place. Visual management aids in place to remind people of the need for social distancing. * Headcount capacity to ensure social distances standards have been achieved have been set and displayed in shared rooms e.g. open plan offices, meeting rooms, seminar rooms and laboratories. *-* * Capacity limits have been set for common facility areas such as Kitchen, toilets and eating/welfare areas and Computer Lab (UG04) * Staff encouraged to remain on-site including bringing their own lunch and, when not possible, maintaining social distancing while off-site. * Where available safe outside areas used for break. * Smaller kitchens use a one out one in policy. All users are encouraged to wash their hands prior to using equipment (kettle) and to wash their hands after use. Additional signage for the correct method for handwashing displayed. * Social distancing is marked on the corridor floor prior to entry to the WCs (toilets). Smaller facilities has a one out one in policy. Additional signage to ensure hands are washed via correct method for handwashing prior to and after use. Building users are reminded to leave the facilities in a respectable condition. *-*   Clear method of socially distancing of staff and visitors in atrium and Sloman Lounge areas defined and implemented including:   * Queuing systems or processes * Social distancing in Atrium areas * Electronic visitor management system in place.   Visits from people outside of the building are managed via remote connection/working where this is an option. Where this is not an option including contractors/researchers who need to visit arrangements have been revised to ensure social distancing and hygiene at all times. These measures are monitored by the local supervising staff member- e.g. Operations Team/PIs and where necessary concerns fed back to the third party manager e.g. LEV inspections and test – Estates Manager, Cleaner – Campus Services Domestic Manager.  All corridors are :   * Marked in areas to ensure social distancing is adhered to. * Corridors that are over 2 m wide have a two way system of use, people using the corridor must stay to their left.   There are drinking water coolers in the building which are not water fountains, All coolers require the user to have their own drinking utensils and there is no physical contact for the user and the water outlet, plus there will be a tub of wipes on or in very close vicinity to the water cooler therefore these would be determine as low risk These are serviced by an external company  The kitchens are small and will be signed as one out/ one in policy. The kettles are wall mounted and plumbed into the mains water system so the only contact is the handle which will be wiped before and after usage by the user with wipes, Signage next to utensils with instructions on cleaning  Additional signage in corridors reminding staff and students about social distancing  The maximum occupancy of the lift has been reduced to 2and social distance marked on the floor. Users are encouraged to stand side by side, once users have left the lift posters are displayed to encourage them to wash their hands.  Sanitising stations fitted outside the lift.  Lifts are still to be used to move heavier / larger / hazardous goods as a planned operation ensuring the lift cannot be stopped on each floor.  Building users using these stairwells have been informed via the Building Induction and through signage to keep to the left. All stairwells are 2m wide, users encouraged to wait in refuse area if stairs are occupied  Additional signage in stairwells reminding staff about social distancing.  Wash hand / use hand sanitiser on exit from stairwell.  Social gathering amongst employees have been discouraged whilst at work including meetings where alternative arrangements have been provided e.g. virtual meetings.  Large gatherings have been cancelled or postponed or alternative IT solutions provided – Staff, Students and visitors encouraged to utilise online tools such as Zoom/Skype/Team. (Critical Training courses may still be performed but only following the Covid-19 guidance.)  Managers perform frequent evaluation against social distances control e.g. spot checks in offices, one-one meetings with line managers and refreshers of the building induction via email. Staff are reminded via signs and floor stickers on a daily basis of the importance of social distancing both in the workplace and outside of it.  Near-miss reporting is encouraged to identify where controls cannot be followed or people are not doing what they should by using the accidents/incidents forms next to post room or via email to [cs-operations@contacts.bham.ac.uk](mailto:cs-operations@contacts.bham.ac.uk)  Where the social distancing guidelines cannot be followed in full in relation to a particular activityconsideration has been given to whether that activity needs to continue, and, if so, all the mitigating actions possible to reduce the risk of transmission between staff have been included in a task specific risk assessment and are being taken. Activities such as IT staff moving equipment in Computer server room, these IT equipment even though small can be heavy and need 2 people to lift them, or researchers needing to work on one piece of equipment together. Mitigating actions include:  Boxes of gloves and wipes are in server room and staff encourage to observe the 1m+ guideline   * Further increasing the frequency of hand washing and surface cleaning. * Keeping the activity time involved as short as possible. * Using screens or barriers to separate people from each other. * Using back-to-back or side-to-side working (rather than face-to-face) whenever possible. * Reducing the number of people each person has contact with by using ‘fixed teams or partnering’ (so each person works with only a few others). * Re-engineering the technical activity. * Improving ventilation. * PPE consisting of face masks and/or a clear visor that covers the face, and provides a barrier between the wearer and others, provided for staff working in close proximity to people and in particular a person’s face, mouth and nose, for an extended period of time (the majority of the working day). Re-usable visors are cleaned and sanitised regularly using normal cleaning products. * Individuals (including staff, students, visitors and contractors), unless exempt, are required to wear face coverings, inside University buildings where 2m social distancing isn’t possible and can't be maintained. Information provided in the University and local communications and local inductions and signs displayed informing people of the mandatory requirement to wear a face covering within the building.   Face coverings are not PPE and are not required to be worn in the workplace where 2m social distancing can be maintained. However where people choose to wear them managers support them.  Individuals have been reminded how to use face coverings safely.  Hygiene guidance given such as avoiding touching eyes, nose, mouth and unwashed hands, cover your cough or sneeze with a tissue, and throw it away in a bin and wash your hands.  **Email address and phone contact details collected via QR code and link to online form displayed at entrance and on webpage for keeping track of all people entering the building, taking details which can be used in the track and trace register. This will be stored for 21 days** | 3 | 2 | 6 | Yes | **.**  **Building will be closed after 6pm, with everyone leaving by this time.** | 3 | 2 | 6 | KC |  |  |
| Biological | Suspected case of COVID-19 | Staff, Students, visitors | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Response plan in place in the event a confirmed or suspected case of COVID-19 and communicated and includes:   * If a person becomes unwell in the workplace with suspected COVID-19, they will be sent home in accordance to the University guidance. Managers will follow the NHS Test and Trace workplace guidance: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance> * The area will be cleaned in accordance with the specific Government [guidance](https://www.gov.uk/government/publications/covid-19-decontamination-in-non-healthcare-settings/covid-19-decontamination-in-non-healthcare-settings) and includes:   + Cleaning an area with validated disinfectants after someone with suspected coronavirus (COVID-19) has left will reduce the risk of passing the infection on to other people   + Where possible the area will be closed and secure for 72 hours, before cleaning as the amount of virus living on surfaces will have reduced significantly by 72 hours   + Disposable gloves, masks and aprons will be worn for cleaning. These will be double bagged, then stored securely for 72 hours then thrown away in the regular rubbish after cleaning is finished   + Once symptomatic, all surfaces that the person has come into contact with will be cleaned with validated disinfectants (including touchpoints) * Provision and monitoring of adequate supplies of cleaning materials are in place. These will be monitored by the operation team but users will report when supply is getting low * Team briefed during building induction to collect as much information as to physical contact area as well as people made contact with on actions to be taken in the event of someone being suspected of having COVID-19. * Staff must tell their line manager if they develop symptoms. Absence will be managed in accordance to the University guidance provided. * Employees to follow the Government advice: <https://www.gov.uk/coronavirus> * Line managers will maintain regular contact with staff members during this time, in accordance with the University sickness absence guidance and monitor for signs of symptoms in the remaining workforce and keep Senior Managers informed of the situation whilst following the Government’s guidance for contact tracing: contact with co-workers: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance> * If an individual tests positive for COVID-19 this will be managed in accordance with the University’s Outbreak Management Process. * If multiple cases of coronavirus appear in a workplace, an outbreak control team from either the local authority or Public Health England will, if necessary, be assigned to help the University manage the outbreak. The University will seek advice from the local authority in the first instance. * Individuals will be told to isolate because they:   + have coronavirus symptoms and are awaiting a test result   + have tested positive for coronavirus   + are a member of the same household as someone who has symptoms or has tested positive for coronavirus   + have been in close recent contact with someone who has tested positive and received a notification to self-isolate from NHS test and trace.   <https://www.gov.uk/government/publications/covid-19-stay-at-home-guidance/stay-at-home-guidance-for-households-with-possible-coronavirus-covid-19-infection> | 3 | 2 | 6 | Yes |  |  |  |  |  |  |  |
| Biological | Someone entering the workplace with COVID-19 | Staff, Student, Visitor, Contractor, Cleaning Staff | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Companies who regularly attend or work in the building requested to provide their health and safety policy/arrangements / or RAMS (risk assessment and method statement) regarding COVID-19. This is a shared task between estates and the operation teams depending on who is in charge of the work to be done  Services are working with the University’s supply chain to ensure that they’re adopting good practices to prevent the spread of COVID-19 to discuss arrangements and control measures.  Anybody visiting site will be informed that they are not to enter if they’re experiencing COVID-19 symptoms or should be self-isolating under the government Guidelines.  If a person becomes unwell in a University workplace with suspected COVID-19, they will be sent home in accordance to their company’s guidance. University managers will follow the NHS Test and Trace workplace guidance for any University staff that may have come into contact with them: <https://www.gov.uk/guidance/nhs-test-and-trace-workplace-guidance> | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Environmental | Virus transmission in the workplace | Staff, Students, Visitors | Contact with an object that has been contaminated with COVID-19 and which subsequently transmits this to another person e.g. surfaces, any inanimate objects & touch points including work surfaces, work equipment, door handles, banisters, chair arms and floors. | Individuals have been instructed and are regularly reminded through signs, hand-sanitising stations and the building inductionto clean their hands frequently with soap and water for 20 seconds and the importance of proper drying in accordance with the NHS Guidance:  <https://www.nhs.uk/live-well/healthy-body/best-way-to-wash-your-hands/>  Posters are displayed around the workplace including in welfare facilities.  Soap and water and hand sanitiser are provided in the workplace and adequate supplies are maintained and are placed at the entrance to the building and in other areas such as outside toilets, kitchens, shower rooms, printers, and welfare areaswhere they will be seen.  Individuals have been informed to check their skin for dryness and cracking and to inform their line manager or supervisor if there is a problem.  Individuals are reminded to catch coughs and sneezes in tissues – Follow: “Catch it, Bin it, Kill it” and to avoid touching face, eyes, nose or mouth with unclean hands. Posters are displayed around the workplace.  To help reduce the spread of coronavirus (COVID-19) individuals are reminded through the building induction, of the public health advice:  <https://www.gov.uk/government/publications/coronavirus-outbreak-faqs-what-you-can-and-cant-do/coronavirus-outbreak-faqs-what-you-can-and-cant-do>  A review of the cleaning regime for the building/area to ensure controls are in place to keep surfaces clean and free of contamination, cleaning products and disposable cloths have been made available to all occupants and everyone has been briefedon the importance of keeping surfaces and work equipment clean. Signage displayed in key areas  Wipes placed next to printers for users to wipe display before and after use.  Internal doors that **are not** signed as fire doors (unless held open with a mechanical device) kept open whilst working (last person out shuts the doors) to prevent multiple people using door handles.  There is clear desk policy in place to reduce the amount of personal items on desks and work benches to be practiced when the space is in use or not in use.  There are cleaning procedures for goods and merchandise entering the site. Greater handwashing and handwashing facilities have been introduced for workers handling goods and merchandise and hand sanitiser provided where this is not practical. Non-business deliveries stopped, for example, personal deliveries to workers.  Areas where people directly pass things to each other, for example office supplies, have been identified and ways to remove direct contact, such as using drop-off points or transfer zones have been introduced.  Everyone is encouraged during the building induction to keep personal items clean including washing spectacles with soap and water, clean phones, keyboards and shared machinery handles etc. before after and during work.  Staff have been encouraged to bring their own food and kitchen utensils including mugs/cups, cutlery etc.  Monitoring and supervision arrangementswith PIs and line managers have been put in place to ensure people are following controls e.g. implementing the new cleaning regime, following hygiene procedures etc.  COVID-19 cleaning products used have a current valid chemical risk assessment in place and are used in accordance with all prescribed risk controls and monitoring requirements. They are stored so that they are readily available to all users and are labelled according to the Globally Harmonised System of Classification and Labelling (GHS). (See location specific chemical risk assessments for cleaning products used within the area).  All university staff are encouraged to avoid direct personal contact with others i.e. shaking hands etc. | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Organisational | Exposure to Existing Hazards | Staffs, Students, Visitors, Contractors | Increased risk of harm due to controls included in existing risk assessments & safety arrangements affected by COVID-19 measures | All relevant pre-existing (non COVID) risk assessments including lone working assessments and procedures have been reviewed to take into account the impacts of social distancing and other COVID counter measures.  PPE related risk assessments have been reviewed to ensure that PPE is provided on an individual basis. Usage is monitored to ensure suitable level of stock of certain PPE such as face masks etc. during this time due to global shortages. Individuals maintain their own equipment in a sterile condition. Storage has been reviewed to provide individual storage arrangements. The taking of PPE home is not permitted.  Emergency Procedures reviewed and revised including:   * **Communication**: people have been made aware that in an emergency, for example, an accident or chemical spill or fire, people do not have to stay 2m apart if it would be unsafe.   **This will be part of the induction for entering building**.   * **Fire procedures:** number and details of nominated fire warden(s) in place, fire muster point confirmed and PEEP requirements defined including who will assist with their evacuation in an emergency. Required modifications to fire alarm practices and evacuation drills to cater for COVID-19 measures have been addressed; ensuring that the activity is still compliant with relevant building and fire codes. * **First Aid:** First aid needs assessment reviewed to take into account any new Guidelines issued by the [University](https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx) or [HSE](https://www.hse.gov.uk/), and first aid information including the location of first aid kits and first aider contact information up to date. * **Hygiene:** Washing facilities with soap/gel available. People involved in the provision of assistance to others have been informed to pay particular attention to sanitation measures immediately afterwards including washing hands.   Safety critical roles will remain in place to aid safe operation. In the event of safety critical roles not being available then a dynamic risk assessment shall be performed by PIs and the Health and Safety Officerto ensure measures are introduced to mitigate risk (for example, another area within the building or campus could have a critical role such as first aider that could cover as a temporary solution).  Security implications of changes made to operations and practices in response to COVID-19, have been considered.  Security staff will be relied on in the events of there not being enough trained First aid staff if required and the contact details are 44444 internal or 0121 414444 from a mobile phone  Life-saving rules, will continue to be governed, enforced and communicated during COVID-19 in particular “speaking up” if they witness any unsafe behaviours, conditions or symptoms related to COVID-19. | 3 | 3 | 9 | Yes | New fire assembly point identified so building evacuation can be done with space for 2m distancing, this is in the building induction. Signs in the building will be updated |  |  |  | BD | 20/09/20 |  |
| Environmental | Inbound & Outbound Goods including Post | Staff | Exposure to contact with an object that has been contaminated with COVID-19. | Logistics for the deliveries to the unit so that social distancing can be maintained at all times has been considered and include:   * Pick-up and drop-off collection points, procedures, signage and markings revised. * Unnecessary contact at delivery area has been minimised e.g. non-contact deliveries where the nature of the product allows for use of electronic pre-booking. * Methods to reduce frequency of deliveries in place - ordering larger quantities less often. * Electronic paperwork is used where possible, and procedures reviewed to enable safe exchange of paper copies where needed, for example, required transport documents. * Delivery and receipt confirmation made contactless and physical contact when handing goods over to the customer has been avoided. * Where possible all deliveries are stripped of all packaging (which is disposed of). * Strict hand washing procedure in place after handling all deliveries. * Where possible deliveries to remain isolated and untouched for a minimum of 48 hours. | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Environmental | Virus transmission outside of the workplace | Staff, Students, Visitors, Contractors | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | On the outside / approach to the building there is signage to warn all prior to entering this building social distancing is in place.  There is signage advising staff, students and visitors to wash their hands regularly and not to touch their face.  There is one door for access and one door for egress and one way and two way systems are inforce in the building.  Building access control is used at all time.  Sanitising station at entrance and signage for hand wash area | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Organisational | Travelling to work | Staff, Students, Visitors, Contractors | Exposure to respiratory droplets carrying COVID-19. | Sufficient parking restrictions to maintain social distancing measures in place and additional parking is provided.  Additional facilities such as bike-racks are provided to help people walk, run or cycle to work where possible.  Workers encouraged to avoid public transport where applicable and use alternatives e.g. cycling, walking to work etc. Where staff are unable to avoid public transport they do so in accordance with Government and University Guidance:  <https://www.gov.uk/guidance/coronavirus-covid-19-safer-travel-guidance-for-passengers>  <https://intranet.birmingham.ac.uk/staff/coronavirus/faqs-for-staff.aspx>  Staff advised to stagger start and finish times if using public transport and to avoid public transport if at all possible. | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Mechanical | Machinery & Equipment | Staff, Students, | Exposure to respiratory droplets carrying and contact with an object that has been contaminated with COVID-19. | Equipment and surfaces that are touched regularly will be frequently cleaned and disinfected by either the user or cleaning services  Sterilising chemicals and wipes are provided in the area to clean machines and equipment prior to the commencement of work and upon completion. If machines and equipment are shared, sterilising will be carried out between operations by the user.  Users are encouraged to clean equipment before and after usage at all times. | 3 | 3 | 9 | Yes |  |  |  |  |  |  |  |
| Environmental | Ventilation | Staff | Exposure to respiratory droplets carrying COVID-19. | Recirculation of unfiltered air within the workplace has been avoided or reduced as far as possible.  All ventilation has been serviced as required. All filters have been changed as required.  Building users are encouraged where possible to ensure windows are open. | 3 | 2 | 6 | Yes |  |  |  |  |  |  |  |

**Risk Assessment Guidance**

Risk Scoring System

The scoring system is provided as a tool to help structure thinking about assessments and to provide a framework for identifying which are the most serious risks and why.

|  | **Consequence / Severity score (severity levels) and examples of descriptors** | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **Domains** | **Negligible** | **Minor** | **Moderate** | **Major** | **Catastrophic** |
| **Impact on the safety of staff, students or public (physical / psychological harm)** | Minimal injury not requiring first aid or requiring no/minimal intervention or treatment.  No time off work | Minor injury or illness, first aid treatment needed or requiring minor intervention.  Requiring time off work for <3 days | Moderate injury requiring professional intervention  Requiring time off work for 4-14 days  RIDDOR / MHRA / agency reportable incident | Major injury leading to long-term incapacity/ disability (loss of limb)  Requiring time off work for >14 days | Incident leading to death  Multiple permanent injuries or irreversible health effects |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Likelihood score** | **1** | **2** | **3** | **4** | **5** |
| **Frequency** | **Rare** | **Unlikely** | **Possible** | **Likely** | **Almost certain** |
| **Broad descriptor** | This will probably never happen/occur | Do not expect it to happen/occur but it is possible it may do so | Might happen or occur occasionally | Will probably happen/occur but it is not a persisting issue | Will undoubtedly happen/occur, possibly frequently |
| **Time-framed descriptor** | Not expected to occur  for years | Expected to occur  at least annually | Expected to occur at  least monthly | Expected to occur at least weekly | Expected to occur at least daily |
| **Probability**  Will it happen or not? | <0.1 per cent | 0.1–1 per cent | 1.1–10 per cent | 11–50 per cent | >50 per cent |

The overall ***level of risk*** is then calculated by multiplying the two scores together.

**Risk Level = Consequence / Severity x Likelihood (C x L)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Likelihood** | | | | |
| **Likelihood score** | **1** | **2** | **3** | **4** | **5** |
|  | **Rare** | **Unlikely** | **Possible** | **Likely** | **Almost certain** |
| **5 Catastrophic** | 5 | 10 | 15 | 20 | 25 |
| **4 Major** | 4 | 8 | 12 | 16 | 20 |
| **3 Moderate** | 3 | 6 | 9 | 12 | 15 |
| **2 Minor** | 2 | 4 | 6 | 8 | 10 |
| **1 Negligible** | 1 | 2 | 3 | 4 | 5 |

The Initial Risk Rating is the level of risk before control measures have been applied or with current control measures in place.

The Residual Risk is the level of risk after further control measures are put in place.