# ACIBSE IEng Experience Based Learning Record

The purpose of this form is to demonstrate how the applicant has gained learning within a professional environment. They must show that their knowledge and skills are equivalent to those gained in an academic setting at Bachelors level. The learning outcomes on this form are from the Engineering Council Accreditation of Higher Education programmes (AHEP 4) model which details the standards that academic courses must cover to be accredited.

To determine if an engineer has gained sufficient experiential learning to be equivalent to Bachelors Level learning they must describe a variety of problem-solving activities and projects which they have either led or were substantially involved in. These can be the same projects that are referenced in your Engineering Practice Report. When describing these activities or projects you should identify how you are demonstrating your ability to carry out the activities described in the following learning outcomes. Your description should be clear and concise and include how you gained the knowledge and skills required. Use ‘I’ statements rather than ‘we’.

# Name:

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| --- | --- | --- | --- | --- | --- |
| AHEP Reference | Learning Outcome | Company and job title | Date | Examples of **technical experience** gained in the workplace  Please add a **brief** summary of examples of technical experience gained in the workplace. | **For Office use only- Assessor comments** |
| ​B1 | Is able to apply a working knowledge of mathematics, statistics, natural science and engineering principles in the solution of broadly defined problems and has general familiarity with current technological developments relevant to their field. |  |  |  |  |
| ​​B2 | Is able to apply established analysis techniques in the solution of broadly defined problems requiring a strong capability in the application of existing technology. |  |  |  |  |
| ​​B3 | Is able to engage appropriate computational and analytical techniques to find solutions to broadly defined engineering problems. |  |  |  |  |
| ​​B4 | Is able to select and employ technical literature and other sources of information to address problems largely arising within existing technologies. |  |  |  |  |
| ​​​B5 | Is able to resolve problems in existing technologies meeting a combination of societal, user, business and customer needs as appropriate. This will involve consideration of applicable health and safety, diversity, inclusion, cultural, societal, environmental and commercial matters, codes of practice and industry standards. |  |  |  |  |
| ​​B6 | Is able to apply a systematic approach to the solution of problems involving existing technologies. |  |  |  |  |
| ​​B7 | Is able to evaluate the environmental and societal impact of solutions to defined problems |  |  |  |  |
| ​​B8 | Is able to analyse a proposed course of action on the basis of ethical choices and relevant professional codes of conduct. |  |  |  |  |
| ​​B9 | Is able to employ risk management techniques in the management of activities and projects |  |  |  |  |
| ​​B10 | Is able to identify security ricks in any proposed activity and mitigate as appropriate |  |  |  |  |
| ​​B11 | Is able to use the principles of equality, diversity and inclusion for the benefit of all stakeholders |  |  |  |  |
| ​B12 | Is able to assess the practical factors underpinning any technical solution |  |  |  |  |
| B13 | Is able to select appropriate materials, equipment and technologies for a given project or activity. |  |  |  |  |
| B14 | Is able to employ quality assurance principles in delivering stakeholder satisfaction |  |  |  |  |
| B15 | Is able to apply project management principles and understand the commercial and legal context in management |  |  |  |  |
| B16 | Is able to function effectively as an individual, and as a member or leader of a team. |  |  |  |  |
| B17 | Is able to communicate effectively with technical and non-technical audiences. |  |  |  |  |
| B18 | Plans and records self-learning and development as the foundation for lifelong learning/CPD. |  |  |  |  |

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| **For office use only** | Assessor 1 |
| Name and EngC Reg held |  |
| I confirm that the candidate satisfies the AHEP 4 requirements |  |
| Where candidate does not meet requirements identify the learning outcome(s) where more information is required. |  |
| Following the Experience Form assessment, the candidate should be asked about the following at interview. |  |