

Timeline of Key Events

1980s: Foundation and Early Innovations

- **1980:** Peng Choo begins his journey in technology and education.
- **Mid-1980s:** Development of educational technology tools aimed at enhancing learning experiences.

1990s: Establishment of eLabtronics

- **1994:** eLabtronics is founded, focusing on interactive educational technology.
- **1998:** Launch of the first major product line for STEM education, integrating multimedia resources.

2000s: Growth and Expansion

- **2001:** eLabtronics collaborates with schools to implement technology in STEM curricula.
- **2005:** Introduction of workshops and training programs for educators on technology integration.
- **2007:** The African Microchip Training Centre (AMTC) initiative is established to provide refugee youth with STEM IoT training, supported by the Director of Immigration and the Governor of South Australia.

2010: Birth of the Stemsel Foundation

- **2010:** The Stemsel Foundation is established by Peng Choo and Miroslav Kostecky in Adelaide, South Australia.
- **Mission:** Empower youth, especially from disadvantaged backgrounds, through innovative STEM education.

2011-2015: Programs and Initiatives

- **2012:** Launch of the "Tech for All" initiative, providing free workshops in underserved areas.
- **2014:** Introduction of the "Student Innovators" program to encourage tech project development.

2016-2020: Technological Transformation

- **2016:** Partnerships with local governments and organizations expand the foundation's reach.
- **2018:** Online resources are introduced, making STEM education accessible globally.
- **2020:** COVID-19 pandemic accelerates the development of online learning tools.

2021: Recognition and New Initiatives

- **2021:** Choo receives the World CleanTech Educator of the Year Award.
- **2021:** Launch of the “Space for Everyone” initiative, promoting inclusivity in space technology education.
- **2021:** Choo is appointed as a Board Member of the Chia Funkuin Foundation (CFF), a United Nations Economic and Social Council (UNECOSOC) accredited NGO in Cameroon, focusing on empowering the Hakka community.
- **2021:** Peng Choo becomes Chairman of runlinc Easy Coding Hakka Technology, enhancing educational access through innovative coding programs.

2022: Establishment of Hakka Association and Technology

- **February 21, 2022:** The Hakka Association of South Australia Incorporated (Hakka Association of SA Inc.) is established to promote Hakka culture and community.
- **September 2023:** Launch of Hakka Technology, a proprietary platform aimed at enhancing educational opportunities across diverse communities.

2023: Projects and Collaborations

- **2023:** Choo leads a project connecting runlinc Hakka Technology with the \$6.5 million Kanyini IoT satellite, funded by the South Australian Premier. This initiative aims to “Democratize Space” by enabling students to develop Satellite IoT projects in areas without internet or mobile networks.
- **Notable Successes:**
 - Valar Rajesh (13): Winner of the 2024 Royal Adelaide Show RAS24 First Prize for a Myriota satellite IoT beehives bushfire early warning system.
 - Alex Farmer (17): Recognized for developing a Myriota satellite IoT system for monitoring water pipe leakage on remote farms.

2024: Latest Initiative

- **2024:** Launch of a new initiative focused on advancing Satellite IoT technology, further expanding educational opportunities in this field.

Impact on Technology and Education

- Over the past decade, the Stemsel Foundation’s programs have benefited over **10,000 students**, fostering creativity and critical thinking.
- **Innovative Educational Tools:** eLabtronics has transformed traditional teaching methods, making STEM engaging.
- **Hakka Technology’s Role:** Aims to improve educational access and innovation across diverse communities.
- **Democratization of Space:** Inspires a new generation of scientists and engineers.
- **Support for Refugee Youth:** AMTC plays a crucial role in providing opportunities for marginalized communities.

Through his leadership, Peng Choo continues to inspire future STEM leaders and drive community development, reinforcing education's importance in shaping a better future.