

TECHNOLOGY DEVELOPMENT PROGRAM HEALTHTECH

SCENT-SENSE

Design and development of an electronic nose for aroma analysis and evaluation in ayurveda



Issue Being Addressed

- ▶ Limited access to affordable aroma analysis technology hampers evaluation

Key Feature of the Technology/Product /App Which is Being Developed

- ▶ Affordable electronic nose for ayurvedic aroma analysis
- ▶ Accurate identification and quantification of aroma
- ▶ Objective and reliable quality assessment method for Ayurvedic formulations

Impact & Benefits

- ▶ The technology enables affordable quality assessment, benefiting Ayurvedic practitioners and small-scale manufacturers, including marginalized communities
- ▶ The technology reduces the need for destructive sampling methods, promoting sustainable practices in ayurvedic formulation analysis

Team

- ▶ PI: Dr. Ragesh G K
Assistant Professor
- ▶ Co-PI: Mr. Anuroop K B
Chief Innovation Officer

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Lab to Market Program

Targeted Customers & End Users

- ▶ Ayurvedic practitioners and herbal medicine manufacturers
- ▶ Small-scale ayurvedic formulation manufacturers
- ▶ Research institutions and laboratories focused on ayurvedic medicine
- ▶ Ayurvedic practitioners who rely on accurate aroma analysis for diagnosis and treatment
- ▶ Consumers of ayurvedic products who seek assurance of quality and authenticity

Commercialization Status

- ▶ Industrial collaborators for commercializing the end product are Aerobits Biotech Pvt. Ltd. and Digitalytic Technologies