



GEOTECHNICAL FORENSIC

SPECIALISED INITIATIVE GROUP

“The Art of Geotechnics”



GEOFORENSIC INVESTIGATION OF GEOMECHANICS & GEOTECHNICAL ENGINEERING FAILURES

Group Name	:	Geotechnical Forensic Specialized Initiative Group (GeoForenSIG)
RIG / RG	:	RIG
Leader	:	Dr. Ismacahyadi Bagus Mohamed Jais
Registered Faculty	:	Civil Engineering
Registration Code	:	CoRe108/T5/2016(13)/FMIA(17)
Registration date (Senate Approval)	:	10 May 2016
UiTM Niche Area	:	INDUSTRIAL TECHNOLOGY (Construction and Infrastructure)
RIG Niche Area	:	Saturated and unsaturated soil mechanics, geotechnical numerical modelling, geoforensic and geotechnology, alternative ground treatment solution and georehabilitation, slope engineering and remediation, geology and rock mechanics, geoenvironmental engineering, foundation engineering.
Group expertise/ Types of industry / Applications / Collaborations	:	Expertise: Slope remediation, geoforensic investigation, georehabilitation, ground treatment, finite element modelling, rock engineering, ground improvement Application: Superstructure, Infrastructure, Highway, Forensics Investigation, Landfill Construction Active collaborations: JKR, REAM, UTM, GMSB, RBSB

KEY PERSONNEL



GEOTECHNICAL FORENSIC SPECIALISED INITIATIVE GROUP



**Assoc. Prof. Ir. Dr. Ismacahyadi Bagus Mohamed Jais
(HEAD)**

Area of Expertise

Numerical geotechnical modelling, volume change behaviour of saturated and unsaturated soils, geoforensic engineering
alternative ground treatment and ground engineering, slope engineering and Rehabilitation, embankment engineering
Tunneling and trenchless technology



**Ir. Ts. Dr. Abdul Samad
Abdul Rahman
(ASSOCIATE RESEARCHER)**

Area of Expertise
Shear strength behavior of
unsaturated soils, soil mechanics and
geotechnical investigation



**Ir. Ts. Dr. Diana Che Lat
(ASSOCIATE
RESEARCHER)**

Area of Expertise
Geotechnical numerical
modelling, alternative
lightweight ground improvement



**Dr. Nurul Ainain
Mohd Salim
(ASSOCIATE
RESEARCHER)**

Area of Expertise
Geotechnical Engineering,
Rock Mechanics & Rock
Fatigue



**Ts. Dr. Nor Hazwani Md. Zain
(ASSOCIATE RESEARCHER)**

Area of Expertise
Compression of Oxidised Organic
Soils and Peat, Geotechnics of
Organic Soils and Peat, Sustainable
Geotechnical Engineering, Finite
element modelling



**Assoc. Prof. Ts. Dr. Mazidah
Mukri
(ASSOCIATE RESEARCHER)**

Area of Expertise
Soil Improvement, Soil
Liner Design & Hydraulic
Conductivity



**Dr. Norazlan Khalid
(ASSOCIATE RESEARCHER)**

Area of Expertise
Geotechnical engineering



**Assoc. Prof. Dr.
Basharuddin Abdul Hadi
(ASSOCIATE RESEARCHER)**

Area of Expertise
Unsaturated slopes, soil
engineering and engineering
survey