

# SABARAGAMUWA UNIVERSITY OF SRI LANKA



## ACADEMIC YEAR 2020/2021, YEAR II - SEMESTER I

### FACULTY OF GEOMATICS

#### DEPARTMENT OF SURVEYING AND GEODESY

#### GROUPS FOR FIELD PRACTICAL PROGRAMME

##### GROUP 01

20GES1272 Jayasingha AANM Mr.  
20GES1287 Anjana WHY Mr.  
20GES1302 Shenthuran R Mr.  
20GES1310 Weerapperuma WADDN Ms.  
20GES1329 Bandara PRU Mr.  
20GES1348 Thilanka MHM Mr.  
20GES1394 Iruthayaraja ARS Mr.  
20GES1395 Arachchi GVAOMV Ms.  
20GES1414 Serasinghe HTL Mr.  
20GES1417 Mallawaarachchi PA Mr.  
20GES1419 Sithumini WGN Ms.  
20GES1424 Rathnayaka RMDS Mr.

##### GROUP 02

20GES1299 Siriwardhane UANS Ms.  
20GES1324 Gunawardhana GMUL Mr.  
20GES1326 Nadeeshani ES Ms.  
20GES1364 Madushan KGAP Mr.  
20GES1382 Thishanth K Mr.  
20GES1396 Jeyananthan T Mr.  
20GES1401 Karunarathna BJP Mr.  
20GES1420 Chamindu MAA Mr.  
20GES1422 Vihanga HKS Ms.  
20GES1425 Jayasingha JB Mr.  
20GES1428 Wanninayaka WMKG Mr.  
20GES1436 Rathnasooriya HACJ Mr.

##### GROUP 03

20GES1295 Rishminda AGSM Mr.  
20GES1301 Madhusanka KAP Mr.  
20GES1331 Rathnayaka RMDP Mr.  
20GES1333 Shangeethan M Mr.  
20GES1355 Fernando KMP Ms.  
20GES1359 Ganewaththa PP Ms.  
20GES1369 Rasanjana LU Mr.  
20GES1387 Hewagamage DTK Mr.  
20GES1393 Niranjan B Mr.  
20GES1402 Rathnayaka RMTD Mr.  
20GES1403 Madushani TGPB Ms.  
20GES1433 Kumarathunga BRGB Mr.

##### GROUP 04

20GES1273 Bandara KMTD Ms.  
20GES1277 Perera BVM Mr.  
20GES1278 Arachchi RSS Ms.  
20GES1307 Jayalath JMSSB Mr.  
20GES1311 Dananjani D Ms.  
20GES1319 Senavirathna LTM Ms.  
20GES1345 Pirakash R Mr.  
20GES1357 Dilshan HKL Mr.  
20GES1360 Chathuranga WP mr.  
20GES1370 Hashintha DDK Mr.  
20GES1412 Ellankumaran J Mr.  
20GES1439 Devinda RN Mr.

##### GROUP 05

20GES1284 Jayawardhana JMBD Mr.  
20GES1303 Karunarathne DHW Ms.  
20GES1321 Abinaas J Mr.  
20GES1332 Sanjula VGK Mr.  
20GES1339 Rajapaksha NGGKD Ms.  
20GES1349 Pirunthan P Mr.  
20GES1351 Pawara GGG Mr.  
20GES1353 Hirushan KMS Mr.  
20GES1383 Gamage TTR Mr.  
20GES1386 Sewwandi DWGC  
20GES1397 Dharmasena AHRS Mr.  
20GES1409 Jeenovan S Mr.  
20GES1427 Bandara WMTG Mr.

##### GROUP 06

20GES1291 Jayamadu MGG Mr.  
20GES1293 Dilsara EKG Mr.  
20GES1297 Ravindranath MMS Mr.  
20GES1316 Hansith AUS Mr.  
20GES1350 Vimarsan S Mr.  
20GES1362 Indudunu HMAH Mr.  
20GES1381 Dushmanthi PGJC Ms.  
20GES1385 Jayasiri DKGMG Mr.  
20GES1404 Vithusha V Ms.  
20GES1405 Liyanage JLAA Mr.  
20GES1416 Theynujan T Mr.  
20GES1423 Warnasooriya WMMM Mr.

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##### GROUP 07

20GES1276 Ravishan GS Mr.  
20GES1281 Subasinghe NC Ms.  
20GES1285 Kugajini S Ms.  
20GES1292 Paliakkara NPAH Mr.  
20GES1294 Vidanagama VTK Ms.  
20GES1314 Rihan MSM Mr.  
20GES1336 Chamara AMBR Mr.  
20GES1343 Pawan KT Mr.  
20GES1356 Brindavarnan K Mr.  
20GES1398 Withana PD Mr.  
20GES1399 Sathsarani PHAM Ms.  
20GES1406 Bandara HMCN Mr.  
20GES1438 Kavinda WBML Mr.

##### GROUP 08

20GES1274 Perera MKKD Ms.  
20GES1306 Apoorwa WNAV Ms.  
20GES1318 Mohamed Rifkan R Mr.  
20GES1325 Diluxan L Mr.  
20GES1328 Randeer BY Mr.  
20GES1330 Raedh SRM Mr.  
20GES1371 Merujan M Mr.  
20GES1372 Perera BYL Mr.  
20GES1376 Senarathna LVHC Mr.  
20GES1388 Upendra NAJ Ms.  
20GES1390 Athauda AA Mr.  
20GES1418 Kavishan KDT Mr.  
20GES1430 Weerakkodi WASL Mr.

##### GROUP 09

20GES1275 Dasanayaka DMLS Mr.  
20GES1280 Rajamanthre RMCD Mr.  
20GES1338 Mohamed Ihtisam HI Mr.  
20GES1354 Disanayaka DMDK Ms.  
20GES1358 Udayangi WKN Ms.  
20GES1361 Abeykoon AMJC Ms.  
20GES1365 Nawarathna NMKK Mr.  
20GES1375 Hapuarachchi DVG Mr.  
20GES1392 Perera KII Mr.  
20GES1415 Basnayaka BRKB Mr.  
20GES1421 Thiwanjana SMDD Mr.  
20GES1429 Kaneskumar R Mr.  
20GES1437 Gamage GGGKM Mr.

##### GROUP 10

20GES1289 Eshan DVS Mr.  
20GES1298 Dewmini HKAK Ms.  
20GES1305 Prabhawari MPKE Ms.  
20GES1308 Kumara KMSR Mr.  
20GES1320 Kumara AARS Mr.  
20GES1341 Akram MSM Mr.  
20GES1342 Senarathna TS Ms.  
20GES1363 Chathuminda DMM Mr..  
20GES1366 Herath HHMHKB Mr.  
20GES1410 Udakara PKDPS Mr.  
20GES1431 Sathsara SKP Mr.  
20GES1432 Abishek K Mr.

##### GROUP 11

20GES1283 Marasinghe MPMC Mr.  
20GES1286 Arulraj S.Mr.  
20GES1304 Gayashan PGS Mr.  
20GES1309 Mohamed Izzath CL Mr.  
20GES1340 Rathnayake HGAC Mr.  
20GES1344 Gamage SDK Mr.  
20GES1347 Dulanjana KAA Mr.  
20GES1368 Dilrukshi HAGS Ms.  
20GES1380 De Silva KVDM Mr.  
20GES1407 Abeywardhana BADM Ms.  
20GES1434 Dhananjaya EPL Mr.  
20GES1435 Priyaranjana HKAIN Ms.

##### GROUP 12

20GES1282 Oshadha NGGN Mr.  
20GES1312 Disanayaka LRNL Mr.  
20GES1313 Mohamed Nifan A Mr.  
20GES1317 Chamodya BW Mr.  
20GES1322 Devindi BAH Ms.  
20GES1323 Basnayaka BMBK Ms.  
20GES1327 Lakeesha NGT Ms.  
20GES1335 Thanusan S Mr.  
20GES1352 Chandupa GPL Mr.  
20GES1367 Athukorala SH Mr.  
20GES1378 Dissanayake DMDDK Ms.  
20GES1426 Ananda DNN Mr.

**SABARAGAMUWA UNIVERSITY OF SRI LANKA**



**ACADEMIC YEAR 2020/2021, YEAR II - SEMESTER I**

**FACULTY OF GEOMATICS**

**DEPARTMENT OF SURVEYING AND GEODESY**

**RESPECTIVE INSTRUCTORS AND SUPERVISORS FOR FIELD PRACTICAL PROGRAMME**

Group No.	Field Instructor	Field Supervisor
1	Mr. K.A.S.Thilakarathne	Mr. A.N.D. Perera
2	Mr. A.H. Rupasinghe	Dr. H. Divithure
3	Ms. L.K.K.Yapa	Mr.K.K.D.W.S.Kannangara
4	Mr. M.S.K.B.Maldeniya	Prof.. H.R.S. Bandara
5	Mr. K.D.N. Jayanatha	Mrs. D.S.Munasinghe
6	Mr.D.R.Manathunga	Mr.K.K.D.W.S.Kannangara
7	Ms. E.A.D.U. Edirisinghe	Dr. H.M.I.Prasanna
8	Mr. U.A.P.Hapugoda / Ms.R.I.Gayeni	Dr. N.M.P.M. Piyasena
9	Mr.C.M.K.S.Deshapriya	Dr. M.D.E.K. Gunathilaka
10	Mr.J.Ingaran	Prof.. H.R.S. Bandara
11	Mr. P.R.C.N. Kumara	Dr. D.R.Welikanna
12	Mr.B.B.S.D.Batugampala	Mr. T.D.A.Gomesz

**Mr. K.K.D.W.S.Kannangara**  
**Lecturer (Land Surveying Field Practical)**  
**08.12.2023**



*Surveys for Land Settlement, Land Development and Planning, Engineering Surveys, Topographical Surveys including Topographical Revision, Cadastral Surveys for Title Registration, etc. are some of the surveys involving large areas.*

### *Objective*

To gain knowledge about reconnaissance, reference pole observation, control surveys, detail surveys, etc. in a large area.

### *Equipment*

Total Station/tripod	01	Targets/tripods	02
Gig Umbrella	01	Pole with Prism	02
Linen tape	01	Catties	01
Crowbar	01		

### *Field Work*

- ☞ Study the block diagram before proceeding to the field.
- ☞ Locate the site, do a thorough reconnaissance and prepare a clear prospection diagram on a sheet of paper.
- ☞ Picket all the traverses and show them on the prospection diagram. (Cement pickets must be used for all the traverses)
- ☞ Dead measurements must be taken for all the pickets.
- ☞ Reference poles should be setup accordingly inside the block as bearing checks for the control traverses, if necessary.
- ☞ All the traverses must start with a higher order or same order and close to a lower or same order traverse.
- ☞ Control traverse/s, with 2 zeros, should be run and must be adjusted first.
- ☞ The prospection diagram, project proposal, traverse progress diagram and working progress diagram should be maintained.
- ☞ All natural features, roads, paths, public buildings, boundaries between different cultivations, boundaries between old and young cultivations and boundaries between state and private lands etc. should be surveyed.
- ☞ Students must share the work load and maintain their own field books. The whole task must be completed as a team work. Students are advised to complete at least one traverse of their own.

- ☞ Each group should prepare all the diagrams, coordinate sheets, schedules while maintaining their own field books individually.
- ☞ Special attention must be taken in digital data handling, including uploading and downloading data etc. by each student.

### *Plan Work*

- ☞ Field supervisors will demonstrate the plan work.
- ☞ The drawings must be done using CAD, and the plans must be printed at a scale of 1:2000.

### *Documents to be submitted*

- Prospection diagram / Project proposal
- Field Books
- Progress diagrams
- Plan with tenement list and area computation sheets
- Report

**Submission Date** – Individual Submission dates will be assigned by the respective supervisor.

***Note: Students must get the signature for all the documents from the respective Field Instructors and from the Supervisors prior to the submission for final evaluation.***

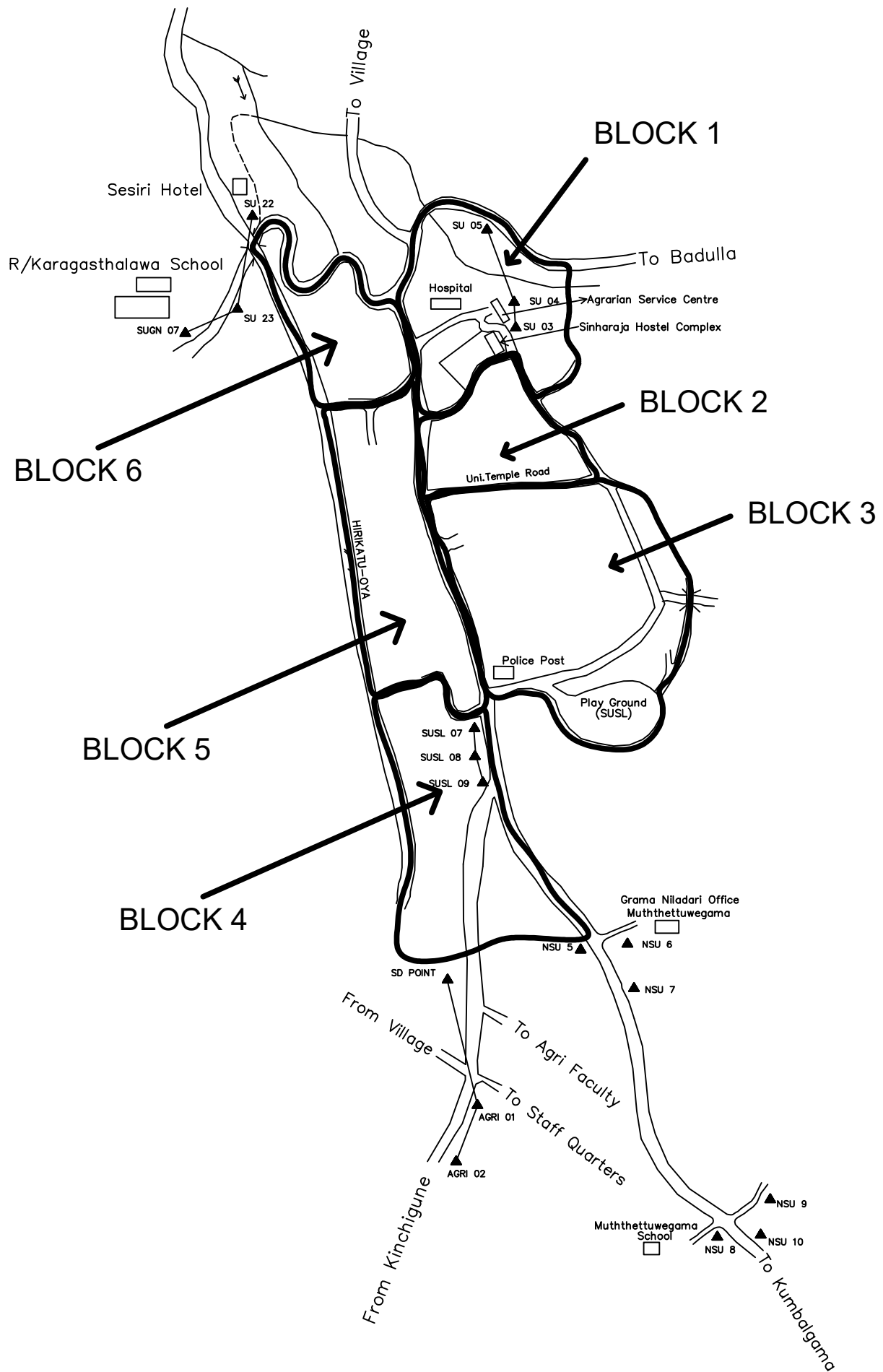
**Sabaragamuwa University of Sri Lanka**  
**Department of Surveying & Geodesy**

**Assignment of Blocks - LDSP 10 Moderate Block Surveys**

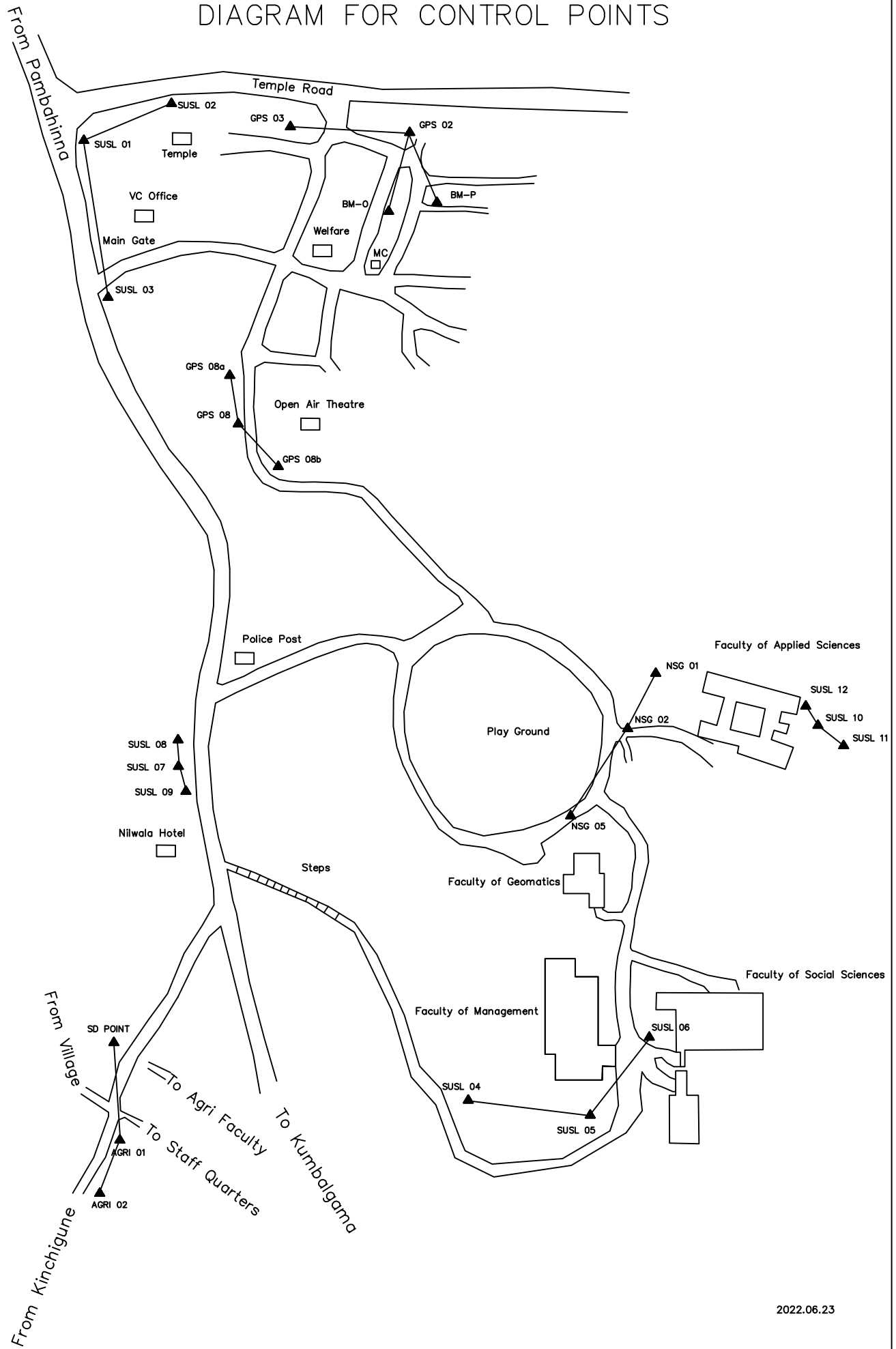
GROUP NO	BLOCK
1	Block 01
2	Block 02
3	Block 03
4	Block 04
5	Block 05
6	Block 06
7	Block 01
8	Block 02
9	Block 03
10	Block 04
11	Block 05
12	Block 06

**08.12.2023**

# DIAGRAM FOR CONTROL POINTS



# DIAGRAM FOR CONTROL POINTS





**Control Points Coordinates**

<b>Co-ordinates</b>		
<b>Stn No.</b>	<b>Northing</b>	<b>Easting</b>
NSG 01	467,958.372	501,891.446
NSG 02	467,937.915	501,869.794
NSG 05A	467,872.113	501,830.639
BM O	468,433.447	501,652.090
BM P	468,415.080	501,689.955
GPS 2	468,447.147	501,690.593
SUSL 04	467,651.487	501,785.660
SUSL 05	467,609.740	501,830.706
SUSL 06	467,684.210	501,870.405
SUSL 07	467,889.664	501,484.803
SUSL 08	467,946.266	501,480.442
SUSL 09	467,755.728	501,521.363
SUSL 10	467,924.317	502,069.354
SUSL 11	467,869.445	502,130.666
SUSL 12	467,925.934	502,022.788
SUSL 01A	468,440.790	501,357.492
SUSL 02A	468,466.190	501,497.192
SUSL 03A	468,327.991	501,389.947
GPS8a	468,181.101	501,538.684
GPS8	468,160.591	501,574.485
GPS8b	468,156.207	501,639.804