

SABARAGAMUWA UNIVERSITY OF SRI LANKA



ACADEMIC YEAR 2021/2022, YEAR II - SEMESTER I

FACULTY OF GEOMATICS

DEPARTMENT OF SURVEYING AND GEODESY

GROUPS FOR FIELD PRACTICAL PROGRAMME

GROUP 01

21GES1449 SANDALI R.P.E.
21GES1463 GIMHANA I.G.I.N.
21GES1516 PRIYANGANI A.M.I.
21GES1531 THARAKAN M.
21GES1536 ABARNAN T.
21GES1552 SATHYANGA W.N.
21GES1564 DE ALWIS H.A.C.K.
21GES1588 RAJAPAKSHA R.M.L.D.
21GES1595 THISANTH S.

GROUP 04

21GES1458 YASODARA E.B.Y.
21GES1479 MUNASINGHE M.H.K.M.
21GES1482 ASUNTHA P.S.P.
21GES1525 VARUJANAN K.
21GES1535 THANUVENTHAN J.
21GES1572 KUMARA S.P.A.R.
21GES1587 DHANUSHIKA K.
21GES1590 DE SILVA M.H.S.A.
21GES1603 KANDEGEDARA K.W.K.G.

GROUP 02

21GES1454 PABASARA P.L.I.
21GES1502 NAMASINGHAGE N.S.M.
21GES1509 WIJETHUNGA W.M.C.A.
21GES1520 THENUJEN K.
21GES1533 MAHENTHIRAM E.
21GES1568 MADHUSHA K.H.T.
21GES1577 RATHNAYAKA R.M.K.G.I.L.
21GES1585 GUNASENA S.R.
21GES1600 MATHURA S.

GROUP 05

21GES1444 KARIYAWASAM A.J.
21GES1453 RANAWAKA RADSR
21GES1474 JAYAWARDHANA G.K.V.
21GES1492 JAYASUNDARA W.A.A.R.
21GES1513 SASMITHA J.
21GES1530 MITHUSAN R.
21GES1548 AHAMED M.M.M.
21GES1570 DESHAN R.A.J.
21GES1573 UDESHIKA K.H.G.S.
21GES1574 MADHUSANKHA W.A.K.

GROUP 03

21GES1605 DEWMINI K.A.S.
21GES1601 PRIYANKARA P.R.R.
21GES1598 WICKRAMASINGHE W.A.P.M.
21GES1566 GUNATHILAKA P.K.Y.P.
21GES1560 KRISHNAKUMAR V.
21GES1547 KAPISHANTH R.
21GES1534 ASOKAN T.
21GES1493 HERATH H.M.D.U.
21GES1473 RUWANTHA H.P.R.

GROUP 06

21GES1446 KATUKURUNDA K.K.D.H.
21GES1450 RANATHUNGA R.A.C.A.
21GES1470 G.U.M. WELLALAGE
21GES1514 ANURADHA H.M.L.N.
21GES1538 LUXSHIKAN V.
21GES1553 ABAYSINGHE D.T.J.P.
21GES1565 DINUWAN K.D.M.
21GES1592 HARINI N.
21GES1609 AHAMED M.R.R.

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GROUP 07

21GES1460 KUMARA R.C.U.
21GES1466 SHAMINDA G.A.
21GES1475 PUNSARA K.K.
21GES1484 BURAH T.K.F.
21GES1537 PUVANESWARALINGAM S.
21GES1541 DILSHAN S.V.K.S.
21GES1544 WANNINAYAKE W.M.N.P.
21GES1556 HESHAN N.N.H.A.I.
21GES1591 SAMARAKOON S.M.P.V.

GROUP 10

21GES1440 WELIKALA H.K.
21GES1441 JAYAWARDANA J.M.T.P.
21GES1448 PUNSISI D.M.C.
21GES1452 SENARATH S.M.K.
21GES1510 MADHUSHAN G.
21GES1512 PRASANNA K.
21GES1529 JENUSAN E.J.
21GES1550 JAYASURIYA J.A.S.A.
21GES1569 SANJULA P.W.V.

GROUP 08

21GES1451 NEVIN M.A.V.
21GES1500 SENEVIRATHNA S.G.M.S.C.P.
21GES1501 RATHNAYAKA M.R.M.K.D.
21GES1517 BANDARA A.J.M.R.L.
21GES1524 AHMETH M.F.A.
21GES1542 DUSHANTH S.
21GES1571 HERATH H.M.D.A.
21GES1596 WITHANACHCHI S.D.
21GES1602 WIJESEKARA W.M.H.S.

GROUP 11

21GES1464 SENAVIRATHNA K.D.T.
21GES1480 RAJAPAKSHA D.W.K.T.
21GES1499 MADHUWANTHA P.D.S.P.
21GES1505 RAVISHAN V.M.S.
21GES1545 DILSHAN P.
21GES1558 WIJESINGHE D.S.G.H.S.
21GES1559 AGILAN T.
21GES1580 JAYASINGHA P.T.N.
21GES1608 MUHANDIRAMGE U.M.H.R.

GROUP 09

21GES1488 LIYANAGE B.L.K.P.
21GES1496 FERNANDO K.N.S.
21GES1504 ILLANGASINGHE I.M.L.S.B.
21GES1511 J.Y. SHERON
21GES1543 DISHANTH T.
21GES1581 NETHMA K.K.J.
21GES1584 HASAN M.H.M.
21GES1586 THILAKARATHNE K.T.M.N.
21GES1599 SIRIWEERA N.A.N.

GROUP 12

21GES1456 MAHAWATTE P.S.
21GES1485 ILANDARA D.K.
21GES1486 BANDARANAYAKA S.R.K.B.B.M.I.
21GES1495 HERATH H.M.N.N.
21GES1508 WEERASINGHE W.M.P.D.N.
21GES1546 VIMALAHASAN S.
21GES1567 HESHAN U.P.S.
21GES1576 SINGHAGE K.M.K.D.
21GES1578 SHAN N.



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

Group No.	Field Instructor	Field Supervisor
1	Mr. K.A.S.Thilakarathne	Dr. A.K.R.N. Ranasinghe
2	Mr. A.H. Rupasinghe	Dr. H. Divithure
3	Mr. M.D.K.G.Gunathilaka	Mrs. D.S.Munasinghe
4	Mr. K.S.C.Mendis	Prof. H.M.I.Prasanna
5	Mr. K.D.N. Jayanatha	Mrs. D.S.Munasinghe
6	Mr. M.V.Gamage	Mr.K.K.D.W.S.Kannangara
7	Ms. M.K.H.Dilshara	Prof. H.R.S. Bandara
8	Mr. U.A.P.Hapugoda	Mr. A.N.D. Perera
9	Ms.R.I.Gayeni	Mr.K.K.D.W.S.Kannangara
10	Mr.J.Ingaran	Dr. N.M.P.M. Piyasena
11	Mr. P.Kabilaharishnan/ Ms. K.M.D.Hasara	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)
30.01.2025



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

30.01.2025

DIAGRAM FOR CONTROL POINTS

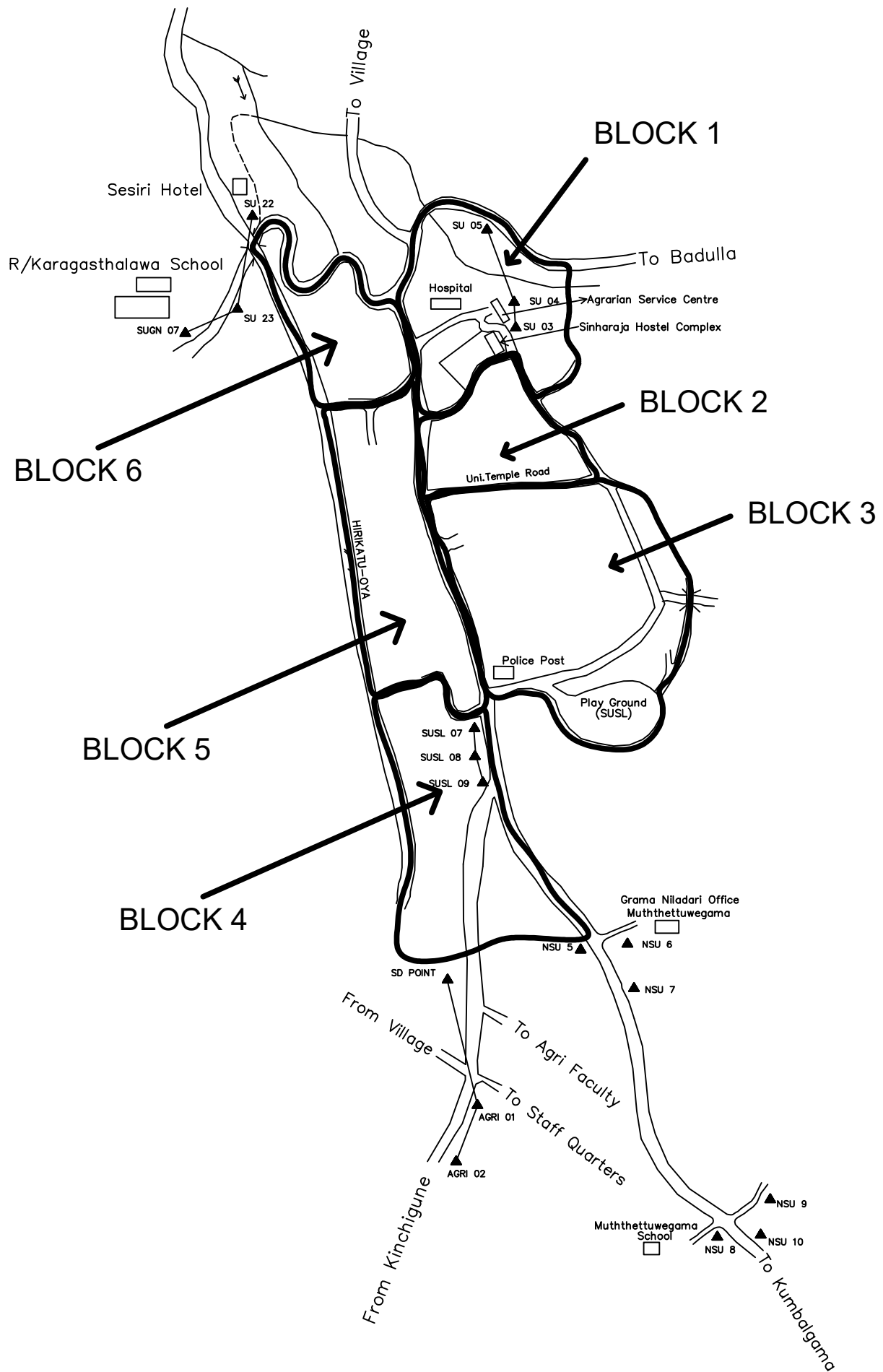
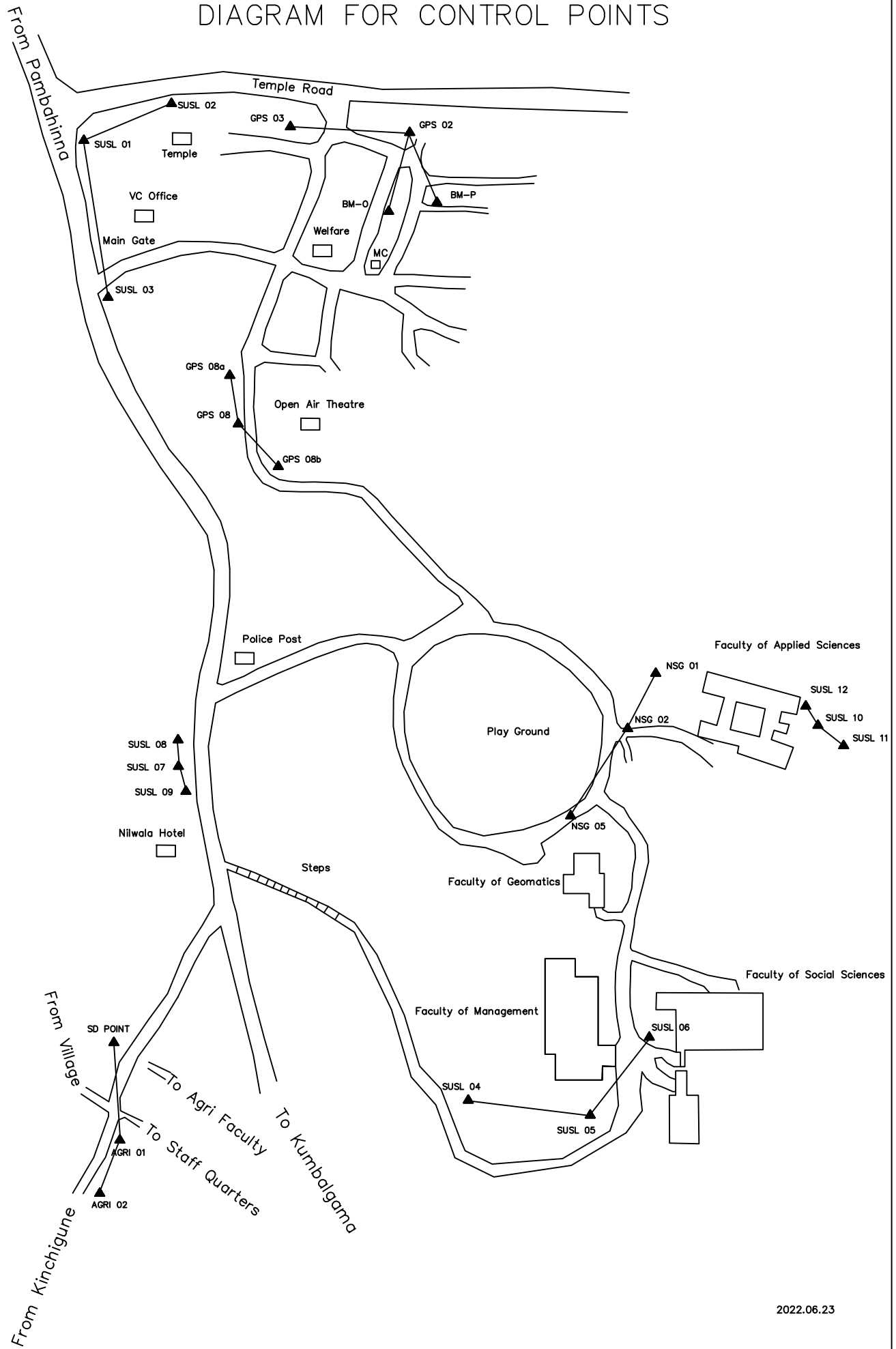


DIAGRAM FOR CONTROL POINTS



Control Points Coordinates

Co-ordinates		
Stn No.	Northing	Easting
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