**TASK1 (DEADLINE: 7/4/2022)**

Register your team members (**Groups of 4 students**) using the below google link

<https://forms.gle/cSFr3QbkDqAEtxjV9>

Using the previously installed MIB viewer, explore the MIB tree’s structure. Each group should decide upon 5 objects to manage.

Configuration Management

* sysDescr == GET
* sysName == GET
* sysCONTACT == SET
* sysLocation == TRAP
* ipAdEntAddr == GETNEXT

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| --- | --- | --- | --- |
| **Object name** | **Operation** | **OID** | **Description** |
| iso.org.dod.internet.mgmt.mib-2 .system.**sysDescr** | GET | .1.3.6.1.2.1.1.1.0 | A textual description of the entity. This value  should include the full name and version  identification of the system's hardware type,  software operating-system, and networking  software. It is mandatory that this only contain  printable ASCII characters. |
| iso.org.dod.internet.mgmt.mib-2 .System. **sysContact** | SET | .1.3.6.1.2.1.1.4.0 | The textual identification of the contact person  for this managed node, together with information  on how to contact this person. |
| iso.org.dod.internet.mgmt.mib-2 .System.sysLocation | TRAP | .1.3.6.1.2.1.1.6.0 | The physical location of this node (e.g.,  `telephone closet, 3rd floor'). |
| iso.org.dod.internet.mgmt.mib-2 .ip. **ipAddrTable. ipAddrEntry.**ipAdEntAddr | GETNEXT | .1.3.6.1.2.1.4.20.1.1 | The IP address to which this entry's addressing  information pertains. |
| iso.org.dod.internet.mgmt.mib-2 .system.**sysNAME** | GET | .1.3.6.1.2.1.1.5.0 | An administratively-assigned name for this  managed node. By convention, this is the node's  fully-qualified domain name. |
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**Discuss why each of these objects is being managed with respect to the NMS FCAPS functionality.**

N.B.: At least, one object should be managed with a SET() function, another with GET() function and the third one to be a parameter in a table and managed with GETNEXT() function. Another object to be managed by using TRAP() function triggered by an event at the agent side.

**Find the corresponding Object Identifier (OID) of the chosen objects to be managed in your system.**

For example, **[1.3.6.1.2.1.1.5]**represents the system name which is **[iso.org.dod.internet.mgmt.mib-2.system.sysName].**