

## Vidyavardhini's College of Engineering and Technology

## Department of Artificial Intelligence & Data Science

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Class:	TE	Semester:	I	
Course Code:	(3(50)	Course Name:	Computer	Network

Name of Student:	Sainath	Khot	es - v rinnalis pa a sun ingentanti ins - gapanapaka paninatahin internesi sin ingenerana	der um Lieben Meiter und des er sich wir der er der eine Welten ergebilden und er werenden werdenen
Roll No. :	20		A VIEW REALISM MATERIAL MENTELS AND ARREST AREA AREA AREA AREA AREA AREA AREA ARE	The second section that he remains an additional second
Assignment No.:	6	etter di distinantinambiantinam i autoritària i s		standentalankarikuntus viitiinik sal san sõnsalaatitana eilimus san sa
Title of Assignment:	Suftware	Dulind	Network	بعد المداخلة المقور والمن في المنظم المداخلة المنظم
Date of Submission:	e tie veikilitis teruskietis i 1 fisis. Sin a. Sin pirmetri. Anton polienticismi i ta. Sadriis detta			والمراجعة
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## **Evaluation**

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	04
Demonstrated Knowledge	3	02
Legibility	2	82
Total	10	58

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	. 5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty

: Miss Sneha Yadau

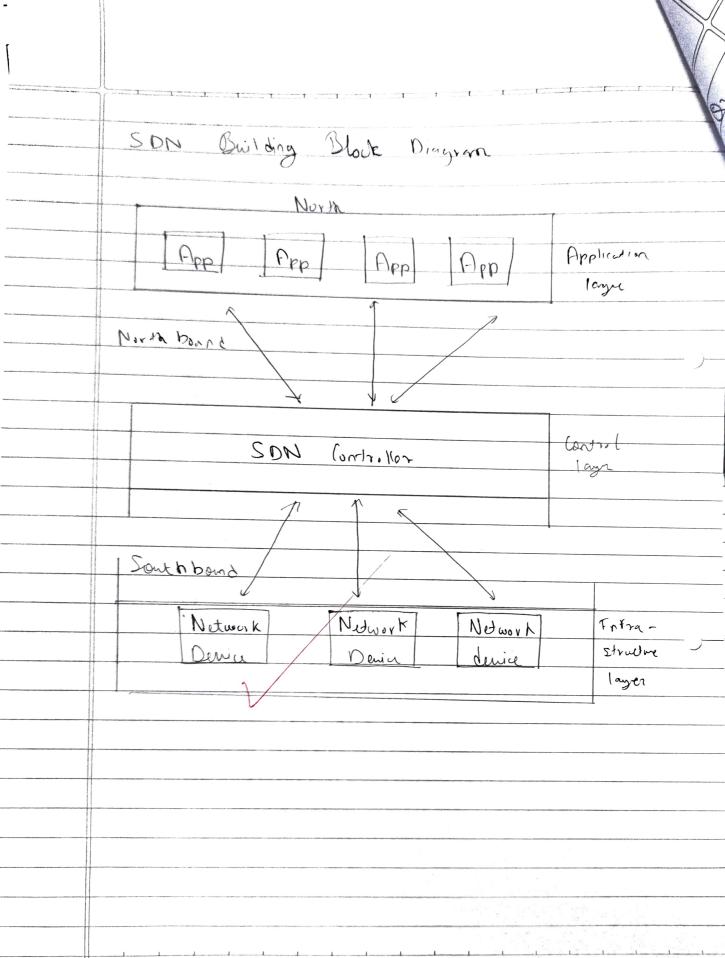
Signature

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Date

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## Assignmed 6 (N) Find how fundamental building blocks of softwar Dylined Naturaling (SON) contributing in separating the artial & data plans in reducin This quotien enounger a brand underdies of SON orchitedre (it, ky componed) such as - Cantrollers. Centralized country that manger the extire reducin - Network Dervices (Data Plane): Smitches & vontino that forward the data band on the instructions given by the controller. Northundourd PPJ's . Totafan between the SDON controller & application, allowing policy & Lucian - South bound API's: Interforce between the SON controller lappication products design enabling the controller to communitate a control the hardener. It allows the responded to envious the fundien a relation Ships but ween there Components a how they transform traditional neturing & decision making from part forwaing.



Sundaram

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Crine a redwork Sucrearis when 4.01 and to implement a software Offind Network SDN with real time traffic monitoring & under rowling policies, identify how would you house between PDX & Nov controllers Discurs specific Use case, Adentages la limitatione. =) Nox controller Now is one of the oarlist open flow controllers & is implemented in (+). It is known for is performance a stability poking it suitcher In service where low laderey & high throughput is required. Advantages: 1) Enformer: Sime NOX is writing in C++, it offine high purpormener making it well suited for high throughput with minnal lateray requirements 2) Stability: Nox has buy around for a long time a is considered stable for entuprise grade implementation 3) Soitable for larger sende purluss. Nox care hardh large scale SON environments Luc to its low but axion a efficiency.

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? less flexibility: while NOX is performant , it look the blowbilly I cove of constanisation Use case-1) Large scale Enterprise Nelwork: NOX is a good device it performance & stability are main concern 2) Low lating application NOX is posticularly well Suited for application that med sow lating rooting. Pox is a python bosed operflow wardroller which makes it easier to develop & autorize compared i) Ease of Deulopment: - Since Pox is written in Pothon it allows for quicker & simpler development making it easier to implement. 2) Elisibility: POV's shodalrity la Fleribity or che it ideal for quick protyping. 3) Adine community has libraries: Consider of available modules for traffic engineeing monitoring 1) Performance :- Since Pox is written in py. It is servally slower 2) Not suitable for large sich Environment: Performence limitagion maken it dow suitable for longe scale. Sundaram FOR EDUCATIONAL USE