SCHOOL OF POLITEKNIK BRUNEI
WEEKLY MODULE PLAN

REFERENCE NUMBER: PB/AS/LP/002
VERSION: 1.2
REVISION DATE: 06/10/2018
EFFECTIVE DATE: 1/1/2019

MODULE CODE/NAME	NS4307, Network Programming	TOPIC	Java Web Programming
SEMESTER	Semester 2, 2021 / 2022	GROUP CODE/INTAKE	DITN12 (Intake 11), DITN10R (Intake 9)
SCHOOL/DEPT	School of ICT	WEEK	Week 9 - 20/03 – 26/03

PEDAGOGICAL APPROACH

- [ ] Knowledge Building
- [x] Presentation
- [ ] Co-operative/Collaborative Lear
- [ ] Experimental Learning
- [x] Case Studies
- [ ] Discussion
- [x] Blended Learning
- [ ] Debate
- [ ] Others, please specify _____

RESOURCES

Learning management sytem

LESSON LEARNING OBJECTIVES	METHOD OF INSTRUCTION/LEARNING ACTIVITIES	REFLECTIVE EVALUATION
At the end of this lesson, the student should be able to: 1) Able to implement Data Repository	**Session 1:** Lecture (1 hour): - Explain data repository - Explain the purpose of Component annotation - Show example of data repository - Explain data repository in controller - Explain the purpose of Autowired annotation - Explain how to pass list of data to Thymeleaf Templates - Show example of data repository in controller. - Explain how to loop through the list of data in Thymeleaf Templates - Show example of loop through the list of data in Thymeleaf Templates Practical (1 hour): - Further facilitate students to implement a student management system. Assignment Clinic (1 hour): Day of the deadline, making sure students able to submit their work on GitHub.	Found out that some students were confused how to implement ModelMap. I assumed it was because some students forgot after almost 2 weeks not touching the code and focus on the assignment which deadline is today. Have to emphasis again how to use it. Need to emphasis that for the @Autowired statement, it only works for one statement. That means for another declaration needs another @Autowired statement. Almost all students did not declared @Autowired for another component which cause Spring to produce an error because the component is not initialised. Some students forgot to implement @Component on the repository class. Need to emphasis again to the students where to @Autowired a component, the component class needs to be declared with @Component annotation.
At the end of this lesson, the student should be able to: 1) Able to generate dynamic page. 2) Able to handle HTTP Request	**Session 2:** Lecture (1 hour) - Explain dynamic page - Explain how to generate dynamic URI - Explain how controller handle dynamic URI - Show example of dynamic page. - Explain how to send data with HTTP Request - Explain GET Method and POST Method. - Explain how controller handle HTTP Request - Show example of controller handling HTTP Request Practical (2 hours) - Further facilitate students to implement a student management system.	Covering dynamic URI took longer during practical. Did not managed to cover HTTP requests in the practical. Will cover this next week. This was due to the lecturer noticed some students still having issues understanding passing data to html file. Spent more time on this as well. Need to cover HTTP requests next week and have to observe further the issue again.
At the end of this lesson, the student should be able to:	**Session 3:**	

NAME & SIGNATURE

MODULE LECTURER	PROGRAMME LEADER / ~~ASSISTANT HOS (aHOS)~~/ ~~HEAD OF SCHOOL (HOS)~~*
Jailani Abdul Rahman	Jamiatul Zuhriah
DATE: **24/03/2023**	DATE: 25/03/2023

COMMENTS BY PROGRAMME LEADER/ ASSISTANT HOS (aHOS)/ HEAD OF SCHOOL (HOS) (If any)

Good job cg,. Detailed explanation on what's going in in the class. Checked..