

# DHIS 2 Design & Customization Academy, Level 1

## Dhaka, Bangladesh 2018

### 4 to 9 August.

Time	Session	Details	Facilitator(s)
<b>Day 1</b>	<b>Saturday, 4 August 2018</b>		
08:30-09:00	Registration	Register and get your badge	Secretariat(Julhas,Linkon,Modidul)
09:00-10:30	Official opening Introduction of participants and facilitators	<ul style="list-style-type: none"> <li>Participants self introductions and expectations</li> <li>Welcome Remarks -                             <ul style="list-style-type: none"> <li>HISP Node Rep</li> <li>Guest of honor                                     <ul style="list-style-type: none"> <li>- Dr. Maya Vandenent (UNICEF Bangladesh)</li> <li>- Dr. Ashish Kumar Saha(Director, MIS &amp; Line Director of HIS and eHealth, DGHS)</li> </ul> </li> </ul> </li> </ul>	Muhammad Abdul Hannan Khan & Nayeem Al Mifthah
	Academy Introduction	<ul style="list-style-type: none"> <li>Introduction to course, purpose and learning objectives</li> <li>Agenda Review and Logistics</li> <li>Expectations Discussion with facilitators and participants</li> </ul>	Dr. Roshan Hewapathirana & Shekh Md. Nazim Uddin (Linkon) & Akash Jindal
10:30-11:00	Tea Break		

11:00-12:00	Introduction to learning platforms DHIS2 and Moodle	<ul style="list-style-type: none"> <li>Log in credentials to Moodle and DHIS2 training instances</li> <li>Pre-Academy Evaluation</li> </ul>	Akash Jindal
12:00-13:00	DHIS2 Data Design Principles & Understanding DHIS2 Analytics and Aggregation	<ul style="list-style-type: none"> <li>Introduction to DHIS2 <ul style="list-style-type: none"> <li>DHIS2 Design principles</li> <li>Introduction to DHIS2 Analytics</li> <li>DHIS2 Analysis apps</li> <li>Training Land Demo</li> </ul> </li> </ul>	Muhammad Abdul Hannan Khan
13:00-13:30	National health system use case	<ul style="list-style-type: none"> <li>Introduce real-world use cases of DHIS2 aggregate data collection</li> </ul>	Dr. Roshan Hewapathirana & Fatema Uddin
13:30-14:30	Lunch		
14:30-16:30	Organisation Unit , Administrative Hierarchy	<ul style="list-style-type: none"> <li>Design principles and best practices for <ul style="list-style-type: none"> <li>Organisation Unit Hierarchy</li> <li>Organisation Unit groups, group sets and levels</li> <li>Organisation unit Attributes</li> <li>Discussion</li> </ul> </li> <li>Exercise</li> </ul>	Akash Jindal & Nayeem Al Mifthah
16:30-17:00	Tea Break		
17:00 - 17:30	Feedback and Evaluation	<ul style="list-style-type: none"> <li>What went well?</li> <li>Where can we improve?</li> </ul>	All
17:30-->	Discussions	<ul style="list-style-type: none"> <li>Networking and learning from best practices from different countries</li> </ul>	All
6:30-->	Welcome Dinner	<ul style="list-style-type: none"> <li>Networking and learning of best practices.</li> </ul>	Hotel Six Season

Time	Session	Details	Facilitator(s)
<b>Day 2</b>	<b>Sunday, 5 August 2018</b>		
08:30-09:00	Day one review	<ul style="list-style-type: none"> <li>Review and Q&amp;A session</li> </ul>	Dr. Roshan Hewapathirana
09:00-10:30	Data Elements Part I	<ul style="list-style-type: none"> <li>Design principles and best practices for               <ul style="list-style-type: none"> <li>Data elements</li> <li>Data Element Groups</li> <li>Data element naming conventions</li> </ul> </li> <li>Group Assignment</li> </ul>	Akash Jindal & Muhammad Abdul Hannan Khan
10:30-11:00	Tea Break		
11:00-13:00	Data Elements Part II	<ul style="list-style-type: none"> <li>Design principles and best practices for               <ul style="list-style-type: none"> <li>Data Disaggregation using categories</li> </ul> </li> <li>Group Assignment</li> </ul>	Dr. Roshan Hewapathirana & Nayeem Al Mifthah
13:00-14:00	Lunch		
14:00-15:00	DHIS 2 Data Set design	<ul style="list-style-type: none"> <li>Design principles and best practices for               <ul style="list-style-type: none"> <li>DataSet design and customization</li> <li>DataSet attributes</li> <li>Custom form overview</li> </ul> </li> </ul>	Fatema Uddin & Julhas Sujan
15:00-16:30	DHIS 2 Data Set design	<ul style="list-style-type: none"> <li>Assignment</li> </ul>	Julhas Sujan & Shekh Md. Nazim Uddin (Linkon)
16:30-17:00	Tea Break		
17:00 - 17:30	Feedback and end of day	<ul style="list-style-type: none"> <li>What went well ?</li> </ul>	All

	Evaluation	<ul style="list-style-type: none"> <li>Where can we improve ?</li> </ul>	
17:30---->	Help Desk/Drop In  Basic DHIS2 server setup (Optional)	<ul style="list-style-type: none"> <li>Participants to finalize assignments and work with facilitators on their database and plans</li> <li>Learn to install DHIS2 Windows and Linux: (Linux</li> </ul>	All

Time	Session	Details	Facilitator(s)
<b>Day 3</b>	<b>Monday, 6 August 2018</b>		
08:30-09:00	Day two review	<ul style="list-style-type: none"> <li>Review and Q&amp;A session</li> </ul>	Fatema Uddin
09:00-10:30	Users roles, Users and User Groups	<ul style="list-style-type: none"> <li>Design principles and best practices for</li> <li>User permissions within DHIS2</li> <li>Creating user groups to share various items/objects within DHIS2</li> <li>Exercise</li> </ul>	Muhammad Abdul Hannan Khan & Dr. Roshan Hewapathirana
10:30-11:00	Tea Break		
11:00-12:30	Sharing of meta-data and analysis items	<ul style="list-style-type: none"> <li>Principles behind sharing to create an integrated data repository supporting different health program workflows</li> <li>Sharing objects with users groups (meta data and output objects)</li> <li>Exercise</li> </ul>	Akash Jindal & Nayeem Al Mifthah
12:30-13:00	Data Collection methods	<ul style="list-style-type: none"> <li>Key DHIS2 Data collection methods, their setting and environments <ul style="list-style-type: none"> <li>Paper forms</li> <li>Web based</li> <li>Android</li> <li>SMS</li> <li>PDF</li> </ul> </li> <li>Quiz</li> </ul>	Fatema Uddin & Dr. Roshan Hewapathirana
13:00-14:00	Lunch		

14:00-15:30	Indicators	<ul style="list-style-type: none"> <li>• Background on Indicators and their use</li> <li>• Use of Indicators within DHIS2</li> <li>• Principles of indicator-driven data collection</li> <li>• Exercise</li> </ul>	Nayeem Al Mifthah & Dr. Roshan Hewapathirana
15:30-16:00	Tea Break		
16:00 - 16:30	Feedback and end of day Evaluation	<ul style="list-style-type: none"> <li>• What went well ?</li> <li>• Where can we improve ?</li> </ul>	All
16:30---->	Help Desk/Drop In	<ul style="list-style-type: none"> <li>• Participants to finalize assignments and work with facilitators on their database and plans</li> </ul>	All

Time	Session	Details	Facilitator(s)
<b>Day 4</b>	<b>Tuesday, 7 August 2018</b>		
08:30-09:00	Day three review	<ul style="list-style-type: none"> <li>Review and Q&amp;A session</li> </ul>	Julhas Sujan
09:00-10:30	Data Quality Configuration	<ul style="list-style-type: none"> <li>Introduction to Data Quality</li> <li>Best practices in configuration tools to perform data quality analysis in DHIS2: <ul style="list-style-type: none"> <li>Validation Rules, and validation rule groups</li> <li>Min/Max Values</li> <li>Follow-Up analysis</li> <li>Standard Deviation Outlier Analysis</li> </ul> </li> <li>Data approval</li> </ul>	Dr. Roshan Hewapathirana & Fatema Uddin & Muhammad Abdul Hannan Khan
10:30-11:00	Tea Break		
11:00-11:30	Data Quality Exercise	<ul style="list-style-type: none"> <li>Data Quality Exercise</li> </ul>	Nayeem Al Mifthah & Dr. Roshan Hewapathirana
11:30-13:00	DHIS2 Data analytics	<ul style="list-style-type: none"> <li>Key principles and best practices for <ul style="list-style-type: none"> <li>Introduction to Data analysis Apps (Pivot tables, Data Visualizer and Maps)</li> </ul> </li> </ul>	Nayeem Al Mifthah & Fatema Uddin
13:00-14:00	Lunch		
14:00-16:00	DHIS2 Data analytics	<ul style="list-style-type: none"> <li>Key principles and best practices for <ul style="list-style-type: none"> <li>Dashboards customization and implementation</li> <li>Dashboards sharing</li> <li>Exercise</li> </ul> </li> </ul>	Akash Jindal & Shekh Md. Nazim Uddin (Linkon)
16:00-16:30	Tea Break		

16:30 - 17:00	Feedback and end of day Evaluation	<ul style="list-style-type: none"> <li>• What went well ?</li> <li>• Where can we improve ?</li> </ul>	All
17:00---->	Help Desk/Drop In	<ul style="list-style-type: none"> <li>• Participants to finalize assignments and work with facilitators on their database</li> </ul>	All



Time	Session	Details	Facilitator(s)
<b>Day 5</b>	<b>Wednesday, 8 August 2018</b>		
08:30-09:00	Day four review	<ul style="list-style-type: none"> <li>Review and Q&amp;A session</li> </ul>	Shekh Md. Nazim Uddin (Linkon)
09:00- 10:30	Bulk metadata and data importation	<ul style="list-style-type: none"> <li>Introduction to metadata importation</li> <li>CSV Data importation</li> <li>Introduction to GIS setup - GML importation</li> <li>Exercise</li> </ul>	Muhammad Abdul Hannan Khan & Nayeem Al Mifthah
10:30-11:00	Tea Break		
11:00-11:30	Exercise	<ul style="list-style-type: none"> <li>Metadata importation Exercise</li> </ul>	Akash Jindal & Nayeem Al Mifthah
11:30-13:00	Global System setting and Data Administration	<ul style="list-style-type: none"> <li>Key principles of DHIS2 system setting</li> <li>Using DHIS2 internal messaging system</li> </ul>	Muhammad Abdul Hannan Khan & Fatema Uddin
13:00-14:00	Lunch		
14:00-15:30	Overall Customization assignment	<ul style="list-style-type: none"> <li>An Overall assignment combining different topics covered in the academy</li> </ul>	Dr. Roshan Hewapathirana & Nayeem Al Mifthah
15:30-16:00	Tea Break		
16:00-17:30	Overall Customization assignment	<ul style="list-style-type: none"> <li>An Overall assignment combining different topics covered in the academy</li> </ul>	All
17:00 - 17:30	Feedback and end of day Evaluation	<ul style="list-style-type: none"> <li>What went well ?</li> <li>Where can we improve ?</li> </ul>	All

Time	Session	Details	Facilitator(s)
<b>Day 6</b>	<b>Thursday, 9 August 2018</b>		
08:30-09:00	Day five review	<ul style="list-style-type: none"> <li>Review and Q&amp;A session</li> </ul>	All
09:00-09:30	Exam Review	<ul style="list-style-type: none"> <li>Individual reading and consulting with trainers and participants</li> </ul>	All
09:30-10:00	Exam	<ul style="list-style-type: none"> <li>Certification examination covering all topics of Level I customization</li> </ul>	All
10:30-11:00	Tea Break		
11:30-13:00	Academy Feedback and DHIS2 community	<ul style="list-style-type: none"> <li>Academy Feedback</li> <li>Virtual global community</li> <li>Regional capacities</li> <li>Upcoming Regional academy program</li> <li>Technical support</li> </ul>	Akash Jindal & Nayeem Al miftah & Muhammad Abdul Hannan Khan
13:00-14:00	Lunch		
14:00-15:00	Panel discussion, certificates and closing	<ul style="list-style-type: none"> <li>Best Practices and experience sharing</li> <li>Awards and closure</li> </ul>	Jannatul Ferdous
15:00----	Social Event		