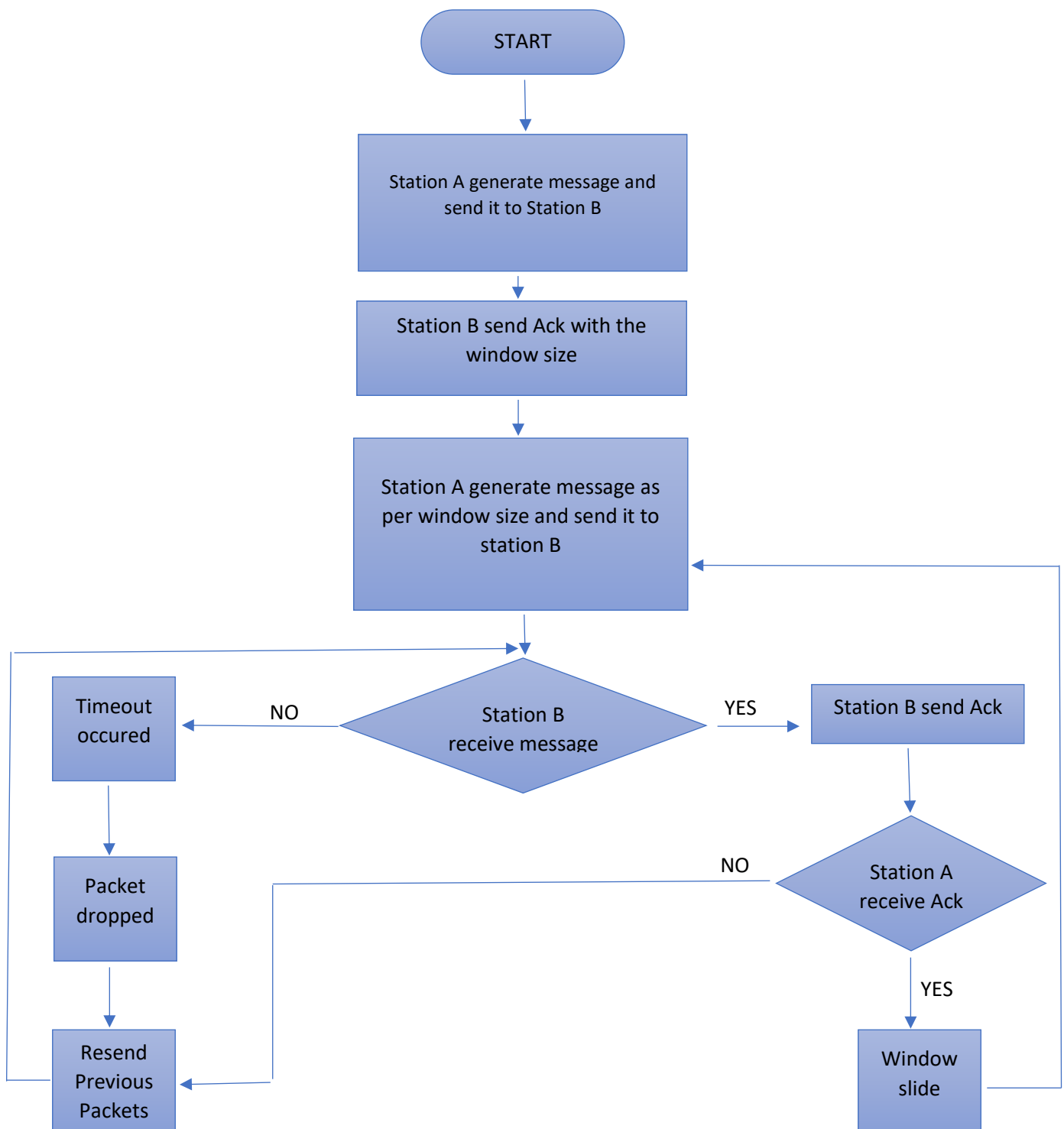


Mohitosh Jagdish Chaudhari (11016111)
Jeet Khunt (11016036)
Master of Engineering in Information Technology
SRH HOCHSCHULE HEIDELBERG
GERMANY
Communication Network

Flow chart



Algorithm

Initialize():

1. set the value of timeout.
2. create the timeout event.
3. generate initial message(call generateMessage() function).
4. schedule the timeout.

handleMessage():

1. If self message or timeout occurs
 - if there is an initial message timeout
 - then reset the timer
 - call generateMessage() function.
 - schedule the timeout event again.
2. If an acknowledgment is received,
 - Received by handle message of station A and store the information required.
 - call generateNewMessage() to send packets with new seq. no.
 - schedule the timeout event.

generateNewMessage():

1. if the seq is low.
 - create the initial packet
 - new cMessage
2. if the
 - generate multiple messages equal to window size.
 - call new cMessage function to send the packet out.

Station_B functioning:

Initialize():

Window size

handleMessage():

1. if the packet is lost
 - delete the message.

2. if a packet is received successfully
 - send back acknowledgement
 - delete the message
 - call generateNewMessage()

generateNewMessage():

1. if the temp is low.
 - create initial packet with window size.
 - send the packet out.
2. if generating a normal packet
 - if the lost packet flag is high
 - call new cmessage function,
 - send the message
 - make the counter 0
3. if we are receiving the correct sequence no.
 - call sendMessage() function to send ack.
 - if the sequence_count is reached to 255, then set the repeat_seq_flag.

