**Certification Expiry Date algorithm**

1.In UI **Mycertifications** Screen in below certifications Expiry date is calculated in UI using **certExpDate,** **completionDate ,Status**

From learning plan table and using **validityperiod** as calculatedexpirydate from certification table.  
  
# Check if the status is "completed"

if status == "completed":

# Check if certExpDate is not empty

if certExpDate is not empty:

# Check if certExpDate is greater than today's date

if certExpDate > today:

# Return a message indicating the certificate is active until certExpDate

return "Completed (active until certExpDate)"

else:

# Return a message indicating the certificate has expired since certExpDate

return "Expired since certExpDate"

# If certExpDate is empty, check if CalculatedExpDate is not empty

elif CalculatedExpDate is not empty:

# Calculate the expiration date by adding CalculatedExpDate months to completionDate

expirationDate = completionDate + CalculatedExpDate months

# Check if the calculated expiration date is greater than today's date

if expirationDate > today:

# Return a message indicating the certificate is active

return "Completed (active)"

else:

# Return a message indicating the certificate has expired since the calculated expiration date

return "Expired since expirationDate"

# If both certExpDate and CalculatedExpDate are empty

else:

# Return a message indicating the certificate is active

return "Completed (active)"

summary:

If status is "completed" and certExpDate is a future date:

"Completed (active until dd-mmm-yyyy)"

If status is "completed" and certExpDate is a past date:

"Expired since : dd-mmm-yyyy"

If both dates are completion Date and Calculated expiry date blank but status is "completed":

"Completed (active)"