```
1  D:\Python312\venv\deep_learning\Scripts\python.exe "D:\School\
   JanJan\College\1 Projects\ESC12\ESC 12 Project\model_codes\
   waste_class_model_0.py"
2  ['biodegradable', 'non-biodegradable', 'recyclable']
3
4  Starting Training...
5    0%|        | 0/20 [00:00<?, ?it/s]D:\Python312\site packages\torch\
   nn\modules\conv.py:456: UserWarning: Plan failed with a
   cudnnException:
   CUDNN_BACKEND_EXECUTION_PLAN_DESCRIPTOR:
   cudnnFinalize Descriptor Failed cudnn_status:
   CUDNN_STATUS_NOT_SUPPORTED (Triggered internally at ..\
   aten\src\ATen\native\cudnn\Conv_v8.cpp:919.)
6    return F.conv2d(input, weight, bias, self.stride,
7  Finished Training...
8
9  Starting Testing...
10
11   5%|█        | 1/20 [02:10<41:13, 130.20s/it]Finished Testing...
12
13
14 Epoch: 1 | train_loss: 0.9239 | train_acc: 0.6309 | test_loss: 0.7832
    | test_acc: 0.7903
15
16
17 Starting Training...
18 Finished Training...
19
20 Starting Testing...
21
22 Finished Testing...
23
24
25 Epoch: 2 | train_loss: 0.7454 | train_acc: 0.7584 | test_loss: 0.6953
    | test_acc: 0.8273
26
27
28 Starting Training...
29  10%|██       | 2/20 [04:18<38:47, 129.31s/it]Finished Training...
30
31 Starting Testing...
32
33  15%|██       | 3/20 [06:27<36:36, 129.18s/it]Finished Testing...
34
35
36 Epoch: 3 | train_loss: 0.6867 | train_acc: 0.7875 | test_loss: 0.6612
    | test_acc: 0.8400
37
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38
39  Starting Training...
40  Finished Training...
41
42  Starting Testing...
43
44   20%|██        | 4/20 [08:36<34:24, 129.01s/it]Finished Testing...
45
46
47  Epoch: 4 | train_loss: 0.6686 | train_acc: 0.7901 | test_loss: 0.6476
     | test_acc: 0.8310
48
49
50  Starting Training...
51  Finished Training...
52
53  Starting Testing...
54
55  Finished Testing...
56
57
58  Epoch: 5 | train_loss: 0.6589 | train_acc: 0.7896 | test_loss: 0.6387
     | test_acc: 0.8353
59
60
61  Starting Training...
62   25%|██        | 5/20 [10:44<32:09, 128.61s/it]Finished Training...
63
64  Starting Testing...
65
66  Finished Testing...
67
68
69  Epoch: 6 | train_loss: 0.6502 | train_acc: 0.7987 | test_loss: 0.6344
     | test_acc: 0.8374
70
71
72  Starting Training...
73   30%|███       | 6/20 [12:54<30:06, 129.02s/it]Finished Training...
74
75  Starting Testing...
76
77   35%|███       | 7/20 [15:02<27:55, 128.86s/it]Finished Testing...
78
79
80  Epoch: 7 | train_loss: 0.6469 | train_acc: 0.7978 | test_loss: 0.6338
     | test_acc: 0.8400
81
```

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82
83  Starting Training...
84  Finished Training...
85
86  Starting Testing...
87
88  Finished Testing...
89
90
91  Epoch: 8 | train_loss: 0.6464 | train_acc: 0.7959 | test_loss: 0.
    6346 | test_acc: 0.8379
92
93
94  Starting Training...
95   40%|████      | 8/20 [17:11<25:45, 128.76s/it]Finished Training...
96
97  Starting Testing...
98
99   45%|████      | 9/20 [19:20<23:35, 128.70s/it]Finished Testing...
100
101
102 Epoch: 9 | train_loss: 0.6483 | train_acc: 0.7964 | test_loss: 0.
    6283 | test_acc: 0.8369
103
104
105 Starting Training...
106 Finished Training...
107
108 Starting Testing...
109
110 Finished Testing...
111
112
113 Epoch: 10 | train_loss: 0.6470 | train_acc: 0.8000 | test_loss: 0.
    6306 | test_acc: 0.8374
114
115
116 Starting Training...
117  50%|█████     | 10/20 [21:27<21:24, 128.40s/it]Finished Training
    ...
118
119 Starting Testing...
120
121  55%|█████     | 11/20 [23:38<19:20, 128.97s/it]Finished Testing
    ...
122
123
124 Epoch: 11 | train_loss: 0.6445 | train_acc: 0.8003 | test_loss: 0.
```

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124  6369 | test_acc: 0.8353
125
126
127  Starting Training...
128  Finished Training...
129
130  Starting Testing...
131
132   60%|███████        | 12/20 [25:45<17:07, 128.42s/it]Finished Testing
     ...
133
134
135  Epoch: 12 | train_loss: 0.6481 | train_acc: 0.7935 | test_loss: 0.
     6345 | test_acc: 0.8353
136
137
138  Starting Training...
139  Finished Training...
140
141  Starting Testing...
142
143  Finished Testing...
144
145
146  Epoch: 13 | train_loss: 0.6476 | train_acc: 0.7955 | test_loss: 0.
     6309 | test_acc: 0.8347
147
148
149  Starting Training...
150   65%|████████       | 13/20 [27:51<14:54, 127.80s/it]Finished
     Training...
151
152  Starting Testing...
153
154   70%|████████       | 14/20 [29:59<12:47, 128.00s/it]Finished Testing
     ...
155
156
157  Epoch: 14 | train_loss: 0.6473 | train_acc: 0.7958 | test_loss: 0.
     6306 | test_acc: 0.8385
158
159
160  Starting Training...
161  Finished Training...
162
163  Starting Testing...
164
165   75%|█████████      | 15/20 [32:22<11:01, 132.22s/it]Finished
```

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165   Testing...
166
167
168   Epoch: 15 | train_loss: 0.6475 | train_acc: 0.7931 | test_loss: 0.
      6320 | test_acc: 0.8395
169
170
171   Starting Training...
172   Finished Training...
173
174   Starting Testing...
175
176   Finished Testing...
177
178
179   Epoch: 16 | train_loss: 0.6479 | train_acc: 0.7927 | test_loss: 0.
      6332 | test_acc: 0.8321
180
181
182   Starting Training...
183    80%|███████████      | 16/20 [34:44<09:01, 135.29s/it]Finished
      Training...
184
185   Starting Testing...
186
187    85%|████████████     | 17/20 [37:06<06:52, 137.41s/it]Finished
      Testing...
188
189
190   Epoch: 17 | train_loss: 0.6441 | train_acc: 0.7944 | test_loss: 0.
      6324 | test_acc: 0.8390
191
192
193   Starting Training...
194   Finished Training...
195
196   Starting Testing...
197
198   Finished Testing...
199
200
201   Epoch: 18 | train_loss: 0.6498 | train_acc: 0.7931 | test_loss: 0.
      6339 | test_acc: 0.8411
202
203
204   Starting Training...
205    90%|█████████████    | 18/20 [39:28<04:37, 138.64s/it]Finished
      Training...
```

```
206
207   Starting Testing...
208
209   Finished Testing...
210
211
212   Epoch: 19 | train_loss: 0.6498 | train_acc: 0.7970 | test_loss: 0.
      6310 | test_acc: 0.8400
213
214
215   Starting Training...
216    95%|███████████      | 19/20 [41:42<02:17, 137.37s/it]Finished
      Training...
217
218   Starting Testing...
219
220   Finished Testing...
221
222
223   Epoch: 20 | train_loss: 0.6458 | train_acc: 0.7957 | test_loss: 0.
      6358 | test_acc: 0.8374
224
225   [INFO] Total training time: 2629.215 seconds
226   100%|███████████| 20/20 [43:49<00:00, 131.46s/it]
227
```