**ALGORITHM 1:** USER REGISTRATION

**INPUT:** USER\_DETAILS (D), SYSTEM SELECTION (S);

**OUTPUT:** USER REGISTERED;

**INITIALISATION:**

D

{

USER\_ADDRESS(H)=NULL;

USER\_EMAIL(M)=NULL;

USER\_PASSWORD(P)=NULL;

}

**STAGE 1: SYSTEM SELECTION**

**SET** S = SYSTEM\_SELECTED;

**STAGE 2: ENTER USER DETAILS**

**SET** D {

H=WALLET\_ADDRESS;

M=USER\_INPUT;

P=USER\_INPUT;

}

**STAGE 3: STORING IN IPFS**

IPFS.ADD(D);

**STAGE 4: MAPPING IPFS RETURN\_HASH TO THE CORRESPONDING USER ADDRESS**

**SET** (H => RETURN\_HASH);

**EXIT**

**ALGORITHM 2:** USER AUTHORISATION

**INPUT:** USER\_DETAILS (D), SYSTEM SELECTION (S); CONTENT\_SUBSCRIPTION (C);

**OUTPUT:** USER AUTHORISED;

**INITIALISATION** :

D

{

USER\_ADDRESS(H)=NULL;

USER\_EMAIL(M)=NULL;

USER\_PASSWORD(P)=NULL;

}

C=NULL;

**STAGE 1: SYSTEM SELECTION**

**SET** S = SYSTEM\_SELECTED;

**STAGE 2: ACCESSING DATA VIA RETURN \_HASH STORED IN BLOCKCAIN**

D= [H];

**STAGE 3: ENTER USER DETAILS**

**SET** D {

H=WALLET\_ADDRESS;

M=USER\_INPUT;

P=USER\_INPUT;

}

**STAGE 4: SUBSCRIBING TO CONTENT**

**SET** C=YES;

**EXIT**