

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202331012519 A

(19) INDIA

(22) Date of filing of Application :23/02/2023

(43) Publication Date : 10/03/2023

(54) Title of the invention : Interactive Technology-driven Low-cost Virtual Learning device NOODLE for equity to address digital divide

(51) International classification :G06Q 40/06
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)SWAMI VIVEKANANDA UNIVERSITY

Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia, -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)SOMSUBHRA GUPTA

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia -----

2)MANISHA MAITY

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia -----

3)MAINAK SUR

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia -----

4)TITLEE MAJUMDER

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia -----

5)ALOK ROY

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY
Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121, India. An Indian University Bara Kanthalia -----

6)Paromita Das

Address of Applicant :Maulana Abul Kalam Azad University of
Technology, West Bengal, NH-12 (Old NH-34) Simhat Haringhata,
Nadia 741249, Haringhata -----

(57) Abstract :

In gradual transition of teaching -learning process, over dependency on virtual learning in post pandemic period become inevitable. Virtual learning characterizes a wider significance in terms of sustainability of the teaching learning process in the fearsome pandemic phase. In spite of uncertainty of restoration of erstwhile physical mode fully due to overwhelming impact of virtual learning, hybrid mode is speculated to be the future of learning. However, every new thing emerges with pros and cons. In the case of virtual learning that needs pervasive and ubiquitous device viz. Mobile Phone, Personal Computer, Laptop, Notebook, TAB, iPad, iPod etc. raise a question of affordability i.e. termed as digital divide happens in the case of under privileged children. The device NOODLE stands for New-normal Object Oriented Dynamic Learning Environment is a low cost device that will address above. Some feature of this is highlighted below: • Portable, robust and cost effective • Virtual learning platforms (viz. GMeet, MStTeam, ZOOM) as well as virtual learning apps (Screencasting, Blendspace, Tedex..) are integrated • This restricts use of unauthenticated parallel background activities. In brief it's a newer kind of global and diffusive device to ameliorate consecutive devices for learning and collecting resources yet to be widely circulated.

No. of Pages : 24 No. of Claims : 5