



# **REPORT**

**ON**  
**AUGUMENTED REALITY/ VIRTUAL REALITY**

**Date: 4<sup>th</sup>-8<sup>th</sup> January,2021 ,**  
**NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)**  
**NARASARAOPET**  
**GUNTUR DIST, A.P. - 522601**

**AICTE TRAINING AND LEARNING ACADEMY**

# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

## AUGMENTED REALITY AND VIRTUAL REALITY WORKSHOP

AR/VR 5-Days AICTE sponsored workshop was conducted from 4<sup>th</sup> to 8<sup>th</sup> January 2021 in which around 128 participants from different parts of the country participated.

The speakers for the 5-day workshop on “AUGUMENTED REALITY AND VIRTUAL REALITY” were:

Sanchith Sharma R&D Team, Anvira Edustation ,Bombay



Designation: Sr. Trainer

Experience in Skills: Unity 3D, SparkAR, Javascript, C#, C++, C,HTML, CSS, Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro

Maitrish Ghosh, R&D Team, Anvira Edustation, Bombay



Designation: Sr. Trainer

Experience : Developing and Providing Technological Solutions to People and Training them on cutting edge technologies like XR. Developing Applications on Unity Engine and Augmented Reality Based Tutorials  
o Writing a text book on Augmented and Virtual Reality for college students on the practical implementation. Worked in an environment of peer to peer learning with people of varied technological domains. Worked with PTC's Vuforia to make the Lab Augmented Reality Enabled.

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Rahul Thakur R&D Team, Anvira Edustation ,Bombay



Designation: Sr. Trainer

Experience in Skills: Unity 3D, SparkAR, Javascript, C#, C++, C,HTML, CSS, Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro

Experience :

Developing and Providing Technological Solutions to People and Training them on cutting edge technologies like XR. Developing Applications on Unity Engine and Augmented Reality Based Tutorials, Writing a text book on Augmented and Virtual Reality for college students on the practical implementation, Worked in an environment of peer to peer learning with people of varied technological domains. Worked with PTC's Vuforia to make the Lab Augmented Reality Enabled.

Dr M.Sreenivasa Kumar Professor and Principal, NEC ,Narasaraopet



Designation: Principal and Professor in Mechanical Engineering

**TEACHING SKILLS:** CAD-CAM, C, Java programming Computer Graphics Machine/Computer Vision Robotics, Machine Design, Digital Image Processing, Engineering Mechanics, Finite Element, Analysis, Advanced Manufacturing Process Machine Drawing Tool Design Auto-CAD, Edge-CAM, Solid Edge , Trainer in Stress Management

**Publications:**

International Journals: Published 2 papers

International Conferences: Published 7 papers

National Conferences: Published 7 papers

**Awards Received:**

- Received "Rashtriya Vidya Saraswati Puraskar" for outstanding achievements in chosen field of activity from International Institute of Education and Management, New Delhi on 22<sup>nd</sup> May 2008.
- My Biographical profile is listed in Marquis "Who's Who in the World" in the Edition 2009 which is published in the month of Nov'2008. This book will feature biographies of the most accomplished men and women from around the globe and across all fields of endeavor.
- Received "National Award for Teaching excellence in Mechanical Engineering" from INDUS foundation- Indo American Summit at Hyderabad- held on 3<sup>rd</sup> Feb 2013 is association AP Govt., FAPCCI and HMTV. AP High Court Judge Justice G.Raghu ram has given the award and Ponnala Lakshmaiah, Minister for IT and Communication, AP Govt. is the chief guest.
- Received University **Best Teacher Award** for the year 2014-15 from Prof.G.Tulasi Ramdas, Vice- Chancellor, JNT University Kakinada on 7<sup>th</sup> Nov 2014.

Guiding one Ph.D. student –JNTUK Kakinada

# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

The schedule of the workshop was as below-

Time / Date	10:30 AM to 12:00 PM	12:00 PM to 01:00 PM	01:00 PM to 02:30 PM	02:30 PM to 03:00 PM	3:00 PM to 4:30 PM
04/01/2021	Inauguration and Introduction to AR/VR	Lunch Break	Introduction to Unity	Tea Break	2D, 3D Models and Rendering in Space
	Sanchith Sharma R&D Team, Anvira Edustation		Sanchith Sharma & Maitrish Ghosh R&D Team, Anvira Edustation		Sanchith Sarma R&D Team, Anvira Edustation
05/01/2021	Unity Software Demonstration & Application Development	Lunch Break	Unity Software Demonstration & Application Development	Tea Break	Unity Software Demonstration & Application Development
	Sanchith Sharma & Rahul Thakur R&D Team, Anvira Edustation		Sanchith Sharma & Rahul Thakur R&D Team, Anvira Edustation		Sanchith Sharma & Rahul Thakur R&D Team, Anvira Edustation
06/01/2021	Vuforia Tool Demonstration & Application Development	Lunch Break	Vuforia Tool Demonstration & Application Development	Tea Break	Vuforia Tool Demonstration & Application Development
	Rahul Thakur R&D Team, Anvira Edustation		Rahul Thakur & Maitrish Ghosh R&D Team, Anvira Edustation		Rahul Thakur & Maitrish Ghosh R&D Team, Anvira Edustation
07/01/2021	VR Storytelling, Film storytelling Mobile VR Platform	Lunch Break	Application of VR Platforms: VR in education, VR Maze Game	Tea Break	Introduction to Google V2 Cardboard, Working of Google v2 Cardboard
	Maitrish Ghosh R&D Team, Anvira Edustation		Rahul Thakur R&D Team, Anvira Edustation		Rahul Thakur R&D Team, Anvira Edustation
08/01/2021	Research Opportunities in AR/VR	Lunch Break	Stress Management Session	Tea Break	Valediction Function, Feedback and Test Session
	Rahul Thakur Maitrish Ghosh R&D Team, Anvira Edustation		Dr M.Sreenivasa Kumar Principal and Professor, NEC		

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The inauguration was held on 4<sup>th</sup> January 2021 online at 10:00 am. Chief Guest of the program was Prof. M.Sreenivasa Kumar, Principal, NEC Guest of Honour of the function were Prof. S.N.Tirumal Rao Head, Dept. of CSE and Mr Sanchit Sarma, Sr.Trainer, Anvira Edustation, Mumbai and Coordinator chaired the function. Also, Heads, Dean of academics, all professors, Associate Professors and Asst Professors of NEC and Participants of different engineering colleges of all over India were also present with the participants.

Principal, Prof M.Sreenivasa Kumar addressed the participants about online FDP and various initiatives taken by NEC. Prof.S.N.Tirumal Rao talked about CSE Departments Roles and Responsibility in our college. Dr S.V.N.Srinivasu, Coordinator proposed the Vote of Thanks.

Some screenshots of the inaugural function are as below.





# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

**NARASARAOPETA ENGINEERING COLLEGE** (AUTONOMOUS)

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinda, Accredited by NBA & NAAC with 'A' Grade  
Katappakonda Road, Yellamanda (Post), Narasaraopet - 522504, Guntur Dist., Andhra Pradesh, India.  
Website: www.artec.ac.in

One Week Online Faculty Development Programme on  
"AUGMENTED REALITY / VIRTUAL REALITY"

Sponsored by ATAL Academy, AICTE  
4th to 8th, January 2021

Organised by  
Department of Computer Science Engineering

Coordinator  
Dr. S.V.N. Sreenivasu  
9849866002

NO REGISTRATION FEE



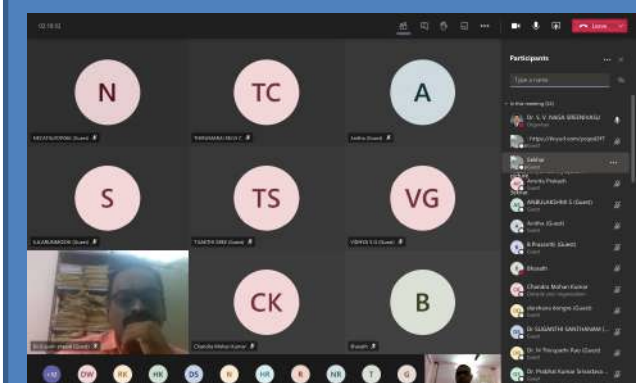
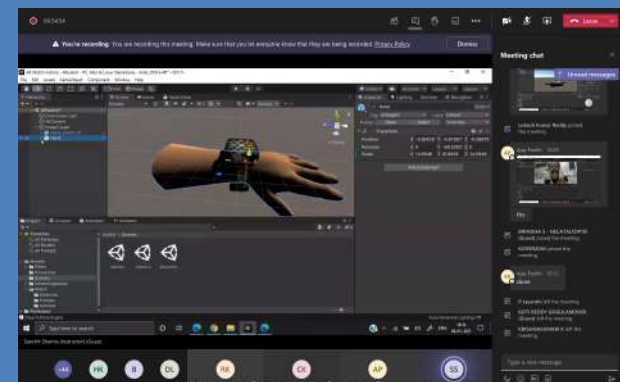
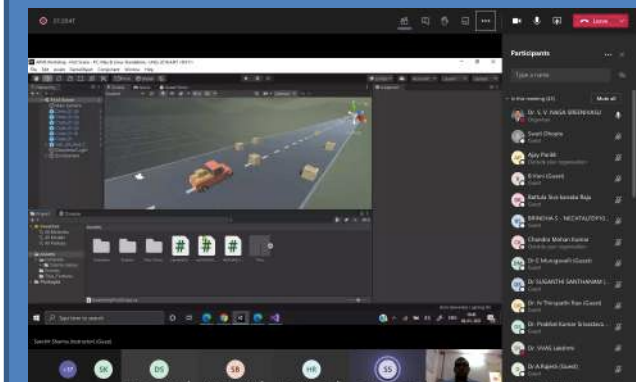
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## Virtual Reality

- Users are fully immersed in a simulated digital environment.
- Individuals must put on a VR headset or head-mounted display to get a 360-degree view of an artificial world.



Transforming Medical Education with Microsoft HoloLens

## ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

The list of participants was:-

S.No.	Name	Institute	Email	Phone
1	Mrs. R.PREMALATHA	SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE	csepremalatha@gmail.com	9976819501
2	Mr. Gajendra Kumar Mourya	North-Eastern Hill University, Shillong	gajendramourya@gmail.com	9436593967
3	Dr. V.V.A.S.LAKSHMI	NARASARAOPETA INSTITUTE OF TECHNOLOGY	vvaslakshmi@gmail.com	9849122798
4	Dr. SIVA NAGESWARA RAO S	Narasaraopeta engineering college	sivanag58@gmail.com	9700028028
5	Mrs. BALA VEERAVATNAM	MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY	balamrcet@gmail.com	8106711395
6	Mr. ANJUM SHAFI MUJAWAR	vidyalankar Polytechnic	anjum.mujawar@vpt.edu.in	9920042674
7	Mrs. Hemalatha Naidu	Mallareddy college of engineering for women	hema2suresh@gmail.com	9704013130
8	Miss N. Thanuja	Bangalore Institute of Technology	thanu.anu21@gmail.com	9740550369
9	Dr. Gudapati Syam Prasad	narasaraopet engineering college	syamprasad.gudapati@gmail.com	9989834447
10	Mr. M BALASUBRAHMANYAM	Paceits	mbalu.422@gmail.com	9848390745
11	Mr. Chandra Mohan Kumar	TechMahindra	cm00620548@techmahindra.com	9989611933
12	Miss D.Sukeerthi	Pullaredyy engineering college	sukeerthi132@gmail.com	6302548501
13	Mrs. Ponrenga J	Sri Sarada College for Women	rengasankar2005@gmail.com	9442029900
14	Mr. V. KOVENDAN	ARASU ENGINEERING COLLEGE	kovendan.cse@gmail.com	8940064229
15	Dr. S V N SREENIVASU	NARASARAOPETA ENGINEERING COLLEGE	svvsarma@gmail.com	9490643880
16	Mrs. Vandana Rawat	GEU, Dehradun	vandanatomar24@gmail.com	7017159951
17	Mr. Vinay Tila Patil	PSGVP Mandal's D. N. Patel College of Engineering, Shahada	vinayt.patil@gmail.com	8087079707
18	Dr. Aruna P	Periyar Maniammai Institute of Science and Technology	rparuna.mca@gmail.com	9790035775
19	Mrs. Vidya J	GITAM School of Technology	vjyohip@gitam.edu	8197298921
20	Miss Swati Dhopte	MIT ADT University	swatid1111@gmail.com	9096747482
21	Mr. RAJASEKHAR JELLI	vignanabhrathi Institute of technology	sekharcse504@gmail.com	6303158898
22	Miss HARMEET KAUR	HERITAGE XPERIENTIAL LEARNING SCHOOL	learnerharmmeet@gmail.com	9810950021
23	Dr. Rayachoti Eswaraiah	Vasireddy Venkatadri Institute of Technology	eswarrayachoti79@gmail.com	6303980487
24	Mrs. Madapati saisuneetha	Malla reddy engineering college for women	saisuneetha410@gmail.com	8074777853
25	Miss Rajashree T	kamaraj College of Engineering and Technology	iamrajashree.raji@gmail.com	9486457725

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26	Miss G. Vijayalalitha	Kamaraj College of Engineering and Technology	padhmavathyviji24@gmail.com	8754335403
27	Mr. K.V.H.N.VISHNUVARDHAN	Indira institute of technology and sciences	vishnu960@gmail.com	9951630670
28	Mrs. RAMYA K M	HKBK College of Engineering	computerscience2019f1@gmail.com	9742056227
29	Mr. SHAIK KHAJA KHIZAR	Ksrm college of engineering	Khizar@ksrmce.ac.in	9849194711
30	Mr. SUNIL PATTEM	Shri Vishnu Engineering College for Women	sunilp@svecw.edu.in	9493237923
31	Dr. SUGANTHI SANTHANAM	K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY	tvshalashakil@gmail.com	8838170177
32	Dr. Elangovan S	Jansons Institute of Technology	elangopr@gmail.com	9629905591
33	Miss Mudiyaala Aparna	Narasaraopeta Engineering College	mudiyaalaaparna.89@gmail.com	8106634666
34	Mrs. Aremandla Sai Pujitha	Narasaraopet Institution of technology	sapuja502@gmail.com	9642454722
35	Dr. Sita Devi Bharatula	Aarupadai veedu institute of Technology	sitabharatula@gmail.com	9445018955
36	Mrs. ANNAMA RAJU THANUJA	NAASAAOPETA ENGINEERING COLLEGE	a.thanuja18@gmail.com	9014978350
37	Mr. P.LakshmiNarayana	NEC	lakshmi.778@gmail.com	9959820921
38	Mrs. PUNYALA RAMADEVI	Narasaraopeta engineering college	devi.punyala@gmail.com	7288975904
39	Mr. Yallamati Suresh	NARASARAO PETE ENGINEERING COLLEGE	sureshyallamati@gmail.com	9704891100
40	Mr. B VENKATA SURESH REDDY	Narasaraopeta Engineering College	boddu.lkv@gmail.com	9866726291
41	Mr. BATTULA SIVA KANAKA RAJU	NAASAAOPETA ENGINEERING COLLEGE	skraju.battula@gmail.com	7075828425
42	Mr. SRIRAM PARABRAHMACHARI	NARASARAOPETA ENGINEERING COLLEGE	chariindian@gmail.com	9849464754
43	Mr. SHAIK RAFI	NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)	shaikrafirt@gmail.com	9652026598
44	Mr. Vamshi Krishna K	NARASARAOPET ENGINEERING COLLEGE	kvkr208@gmail.com	8143580182
45	Miss priyankabezawada	narasaraopet engineering college	priyankabejawada988@gmail.com	9676343513
46	Miss ANBULAKSHMI	Sree Vidyanikethan Engineering College	anbulakshmisvec@gmail.com	8838262533
47	Mrs. Sameerunnisa Shaik	Narasaraopeta Engineering College	sameerask.25@gmail.com	9700786783
48	Mrs. Shammi Shaik	Narasaraopeta Engineering College	shammishaik112@gmail.com	9959852695
49	Dr. S.RAJESWARI	Saranathan college of Engineering	rajeswaris-ece@saranathan.ac.in	8189996666
50	Dr. S. A. Arunmozhi	Saranathan college of Engineering	arunmozhi-ece@saranathan.ac.in	8056069053
51	Dr. HEMAVATHY R	R. V. College of Engineering	hemavathyr@rvce.edu.in	9916104451
52	Mr. KOTI REDDY GOGULAMOODI	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES	gkreddyee@gmail.com	9160496496
53	Mr. U INDU SEKHAR	KKR&KSR INSTITUTE OF TECHNOLOGY & SCIENCES	uisekhar@gmail.com	9966606518
54	Mr. SHAIK FAYAZ	Lords Institute of Engineering and Technology	shaikfayaz@lords.ac.in	9703968541



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55	Mr. PRAVEEN	NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE	praveencpmech@gmail.com	6282123750
56	Dr. D Ravikiran	Malineni Perumallu Educational Society's Group of institutions	ravikirand2005@gmail.com	7702875293
57	Mrs. Vidhya S G	BGSIT	vidhyagowda069@gmail.com	8867396204
58	Mr. Kaushik Roy	Shri Ramdeobaba College of Engineering and Mangement	roykr@rknc.edu	9767508835
59	Mrs. mrs.k.prasanthi	Narasaraopet Institute of Technology	prasanthikakker9@gmail.com	7207360012

60	Mr. UPPALA VIJAY KUMAR (P.h.D)	QIS Institute of Technology	cseassistantprofessor@gmail.com	9030655562
61	Mrs. Vani	saveetha school of engineering	vanib.sse@saveetha.com	9962914199
62	Dr. Sudhir Vegad	A D Patel Institute of Technology	svegad@gmail.com	9427104024
63	Mrs. Laxmi Shrishail Birajdar	A.G. Patil Polytechnic Institute, Solapur	birajdarlaxmi@gmail.com	9421026650
64	Mr. BELLAMGUBBA ANOCH	narasaraopeta institute of technology,narasaraopet	anochcse@gmail.com	6281597446
65	Mrs. T. Daniya	GMRIT	daniya.t@gmr.it.edu.in	9095051376
66	Mrs. K.PUNITHAVATHI	KSK College of Engineering and Technology	punithavathikrishnamoorthy@gmail.com	9585015178
67	Mr. MANDALAPU SRINIVASA RAO	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES	sree.mandalapu.sree@gmail.com	9494785781
68	Mrs. Santhoshi Kumari Gantla	Nadimpalli Satyanarayana Raju Institute of Technology(NSRIT)	santhu.1214@gmail.com	9494859390
69	Mrs. SAKTHI SREE T	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY	sakthisree@gmail.com	9500653620
70	Mrs. Anitha P.	Hindusthan College and Technology	anihcet@gmail.com	9994643363
71	Mrs. Pradeepa S	Mailam Engineering College Mailam ,Villupuram Dt ,Tamilnadu	pradeepacse@mailamengg.com	9943644489
72	Mrs. KAVITHA M	A.V.C COLLEGE OF ENGINEERING	kavi.m2009@gmail.com	8940254898
73	Mrs. Krishnakumari K	A.V.C.College of Engineering	krishnakumari@avccengg.net	8667413687
74	Dr. Ruba Soundar K	P.S.R. Engineerig College	rubasoundar@yahoo.com	9486123422
75	Miss Ancy C A	St Paul's College Kalamassery	ancyroseann@gmail.com	9567600569
76	Dr. D.C.Joy Winnie Wise	Rajalakshmi Institute of Technology	drdcjoywinniewise@gmail.com	9489941852
77	Mr. P. Lokesh Kumar Reddy	Sri venkateswara college of Engineering	lokes.palapati@gmail.com	8008592385
78	Mr. P Srikanth	UPES	Srikanth.1240@gmail.com	9557654451
79	Dr. R SUJATHA	Subbalakshmi Lakshmipathy College of Science	sujamurali72@gmail.com	8610913790
80	Mrs. Ramalakshmi k	P.S.R Engineering College	ramanavane@gmail.com	8610318490
81	Dr. Prabhat Kumar Srivastava	Babu Banarasi Das University Lucknow	sri_prab@rediffmail.com	9871771996
82	Miss Rajashree Tukaram Gadhave	Pillai HOC College of Engineering and Technology	rgadhav@mes.ac.in	8108179424
83	Dr. K S Preetha	Vellore Institute of Technology	kspreetha@vit.ac.in	9443795999

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84	Mr. Tejas R Jadhav	VPM's B.N.Bandodkar college of Science , Thane ( W )	trjadhav@vpmthane.org	8888237199
85	Mr s. Kavita Singh	Thakur Polytechnic	kavita.ej@tpoly.in	8850163647
86	Dr. LAKSHMINADH	NARASARAOPETA ENGINEERING COLLEGE	proflakshminadh@gmail.com	9948212526
87	Miss B.PRASANTHI	MGIT	biraliprashanthi@gmail.com	9849465016
88	Dr. THIRUMARAI SELVI C	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	thirumaraiselvi@skcet.ac.in	9944192456
89	Mr. SATHYARAJ P	RMK COLLEGE OF ENGINEERING AND TECHNOLOGY	sathyarajece@rmkcet.ac.in	9962883437

90	Miss MAYURA SUKALKAR	Dr.D.Y.Patil Institute of technology,Pimpri,Pune	mayura.sukalkar@dypvp.edu.in	9890093097
91	Dr. N THIRUPATHI RAO	Vignan's Institute of Information Technology	nakkathiru@gmail.com	9966968368
92	Mrs. Mohammad Bushra	Vijaya Institute of Technology for Women	bushramohammad561@gmail.com	9491961580
93	Miss Nagasri.B	Saveetha school of Engineering	nagasrib.sse@saveetha.com	8015737315
94	Mrs. Shubhangi Jadhav	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	shubhangi.jadhav@dypvp.edu.in	7588540564
95	Mrs. Lekshmi P Govind	UKF College of Engineering and Technology	lekshmipgovind.09@gmail.com	8075646043
96	Mrs. Koriginja sravani	Teegala Krishna reddy engineering college	sravani.koriginja@gmail.com	9701533535
97	Mr. Maddala Koteswara Rao	NIT	mkoti.520@gmail.com	9573737180
98	Miss RAMA RAJESWARI MULUKUTLA	DNR College Of Engineering and Technology	rama.mulukutla2003@gmail.com	8179853530
99	Dr. N.TIRUVENKADAM	K.S.Rangasamy College of Technology	tiruvenkadam@ksrct.ac.in	9944672671
100	Dr. Kishore Anthuvan Sahayaraj K	Sri Manakula Vinayagar Engineering College	kishore@smvec.ac.in	8072483515
101	Mrs. BRINDHA S	St.Peter's Institute of Higher Education and Research	brindha07.future@gmail.com	9940698962
102	Mrs. Srinitha	Sri Ramakrishna Engineering college	srinitha15@gmail.com	9791244424
103	Mrs. Kiruthika	Sri Ramakrishna Engineering College	kiruthikachml@gmail.com	8098247116
104	Mr. BHARATH POTU	Narasaraopeta Institute of Technology	potu.bharath514@gmail.com	9948859731
105	Mr. KIRAN M P	Government Engineering College Kushalnagar	mtech.kiran@gmail.com	9886216700
106	Mrs. P JAYANTHI	ANNA UNIVERSITY	pjayanthi@mitindia.edu	8939851999
107	Mrs. RojaRamani Adapa	Teegala KrishnaReddy Engineering College	rojatkrec.cse@gmail.com	9666692262
108	Mrs. Vinita Patil	Dr.D.Y.Patil Institute of Technology Pimpri, Pune	vinita.patil@dypvp.edu.in	9975022961

## ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

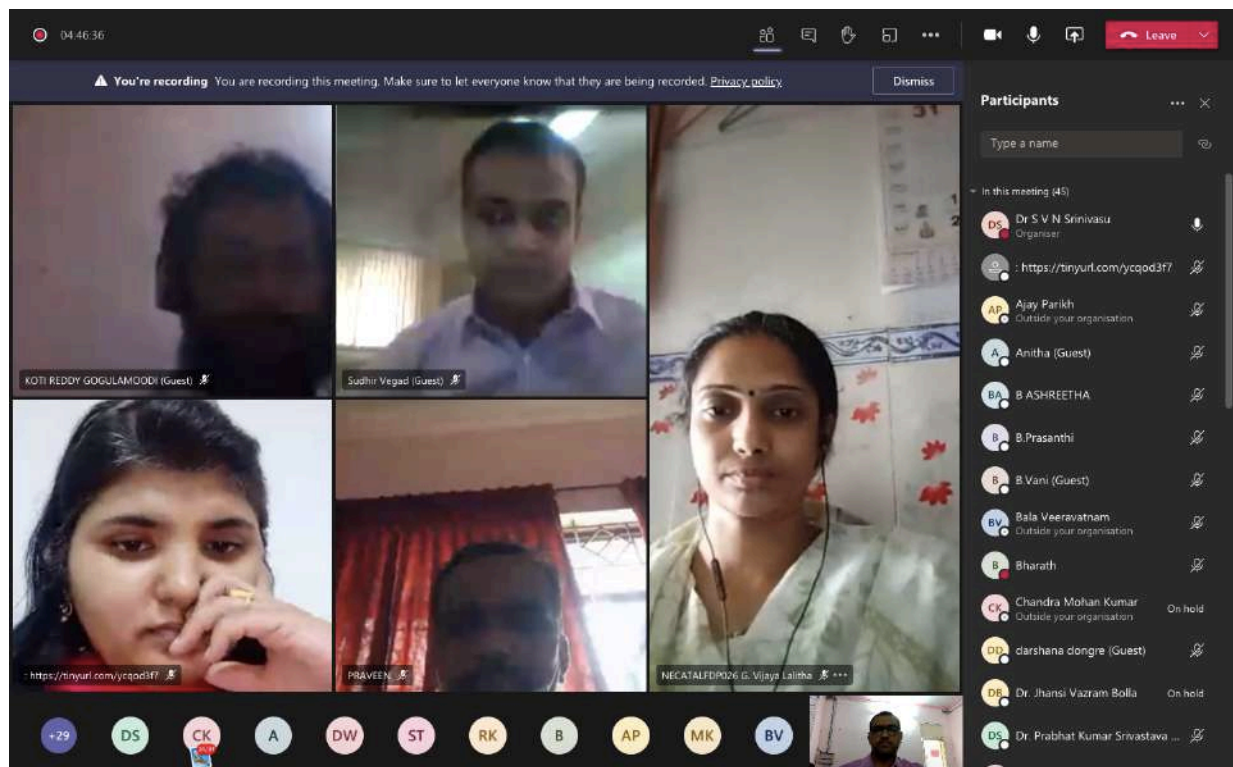
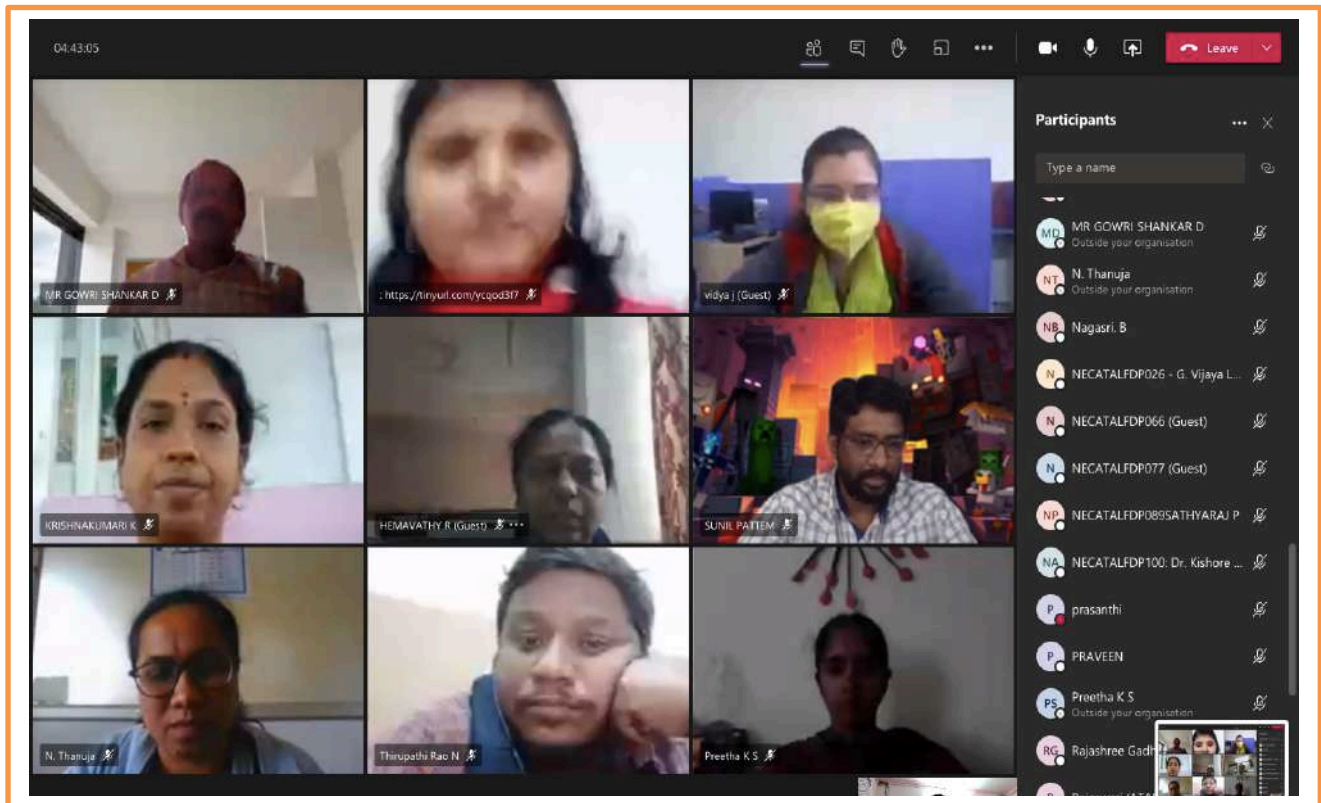
109	Dr. Murugavalli E	Thiagarajar College of Engineering	murugavallielangovan@gmail.com	9791288358
110	Mrs. sujatha devi ch	Mahatma Gandhi Institute of Technology	chsujathamgit@gmail.com	9848737546
111	Mr. GOWRI SHANKAR D	Hindustan Institute of technology & science	Mdgowrishankar@gmail.com	9629674309

112	Miss Darshana Dongre	GWCET,NAGPUR	dongred23@gmail.com	8600229746
113	Mr. Biky Chowhan	NIELIT-Gangtok	sbiky5251@gmail.com	9563669636
114	Dr. Ajay Parikh	Gujarat Vidyapith	ajay@gujaratvidyapith.org	9426587062
115	Miss Amrita Prakash	Patna Women's College	amrita.bca@patnawomenscollege.in	8405998141
116	Mr. SHAIK KHAJA MOHIDDIN BASHA	NARASARAOPETA ENGINEERING COLLEGE	sk.basha579@yahoo.com	8096399752
117	Dr. RajeshAnnamalai	VISTAS	arajesh.se@velsuniv.ac.in	9750422445
118	Mr. MAHESH BABU VUNDAVALLI	NARASARAOPETA ENGINEERING COLLEGE	mailformrx@gmail.com	9440183225
119	Miss Sasikala.G	Vivekanandha college of Engineering for Women	sasikalag@vcew.ac.in	8072210306

120	Mr. VISHNURAJ	Bannari Amman Institute of technology	vishnurajstark26@gmail.com	7558180368
121	Mr. G. VENKATESWARLU	M. B. T. S GOVERNMENT POLYTECHNIC	Venkatesh.guntamadugu@gmail.com	8247569966
122	Dr. Thimmia Raja J	Kalasalingam Academy of Research and Education	thimmia@gmail.com	9443711762
123	Mr. G Dinesh kumar	Hindustan Institute of Technology and Science	gdineshk@hindustanuniv.ac.in	9841226842
124	Mrs. Bussa Ashreetha	Sree Vidyanikethan Engineering College	ashreetha1994@gmail.com	9853399997
125	Mrs. Pragna Makwana	BIT	pragnaorama@gmail.com	9825370149
126	Mrs. VIJAYA LAKSHMI T	Hindusthan College of Engineering And Technology	Vijayalakshmiragunath@gmail.com	9943452281
127	Mr. SITANSHU KAR	ROLAND INSTITUTE OF TECHNOLOGY	kar.sitanshu@gmail.com	9438375933
128	Miss PARIMALA GARNEPUDI	VFSTR	gp_cse@vignan.ac.in	9052695095

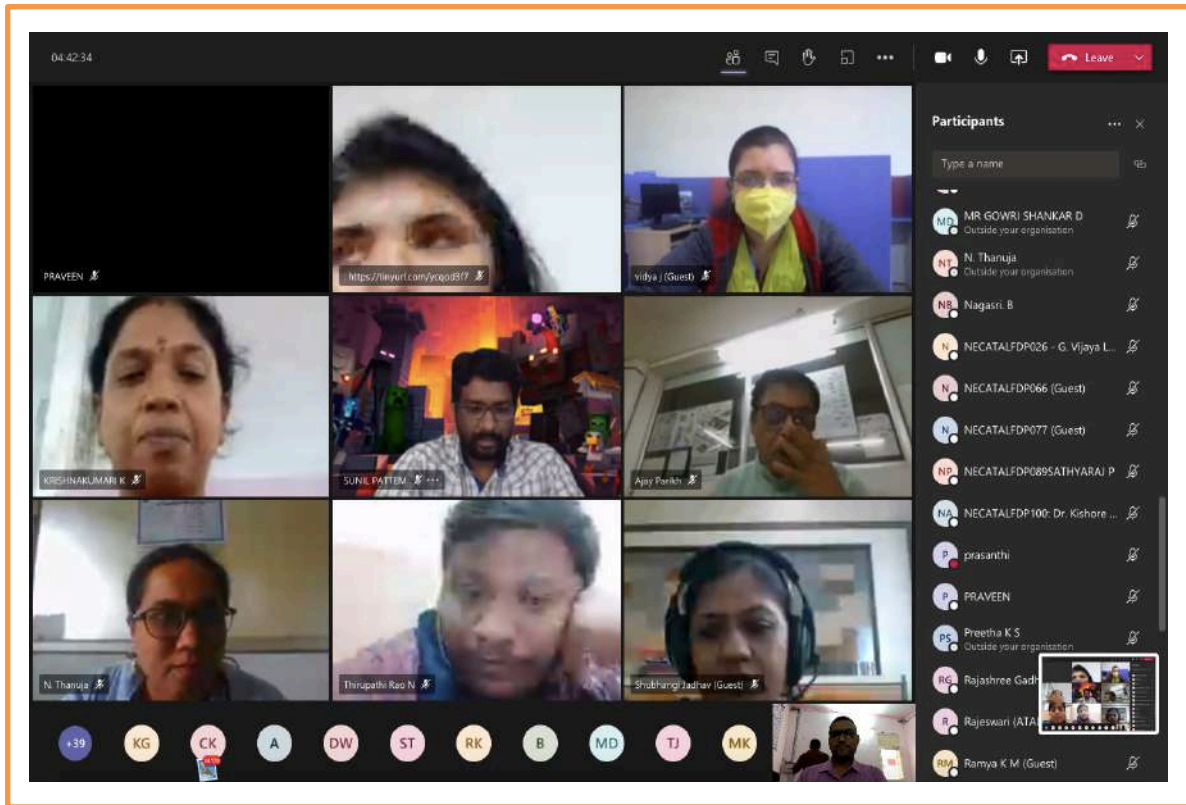
# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

The screenshots of the participants taken on the closing are:-





# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY



Press Reports clippings :





# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY

వాగు ప్రక్కన లో నూతనంగా లక్ష్మీ గాయిత్రి ల ప్రాంతంలో అందుబాటులో పునీలకు వైద్య జరిగిందని అందు శాశ్వత పరలక్ష్మీ చర్మ, పిడుగురాళ్ల నందు డాక్టర్స్ గంటల వరకు, ల వరకు వైద్యం

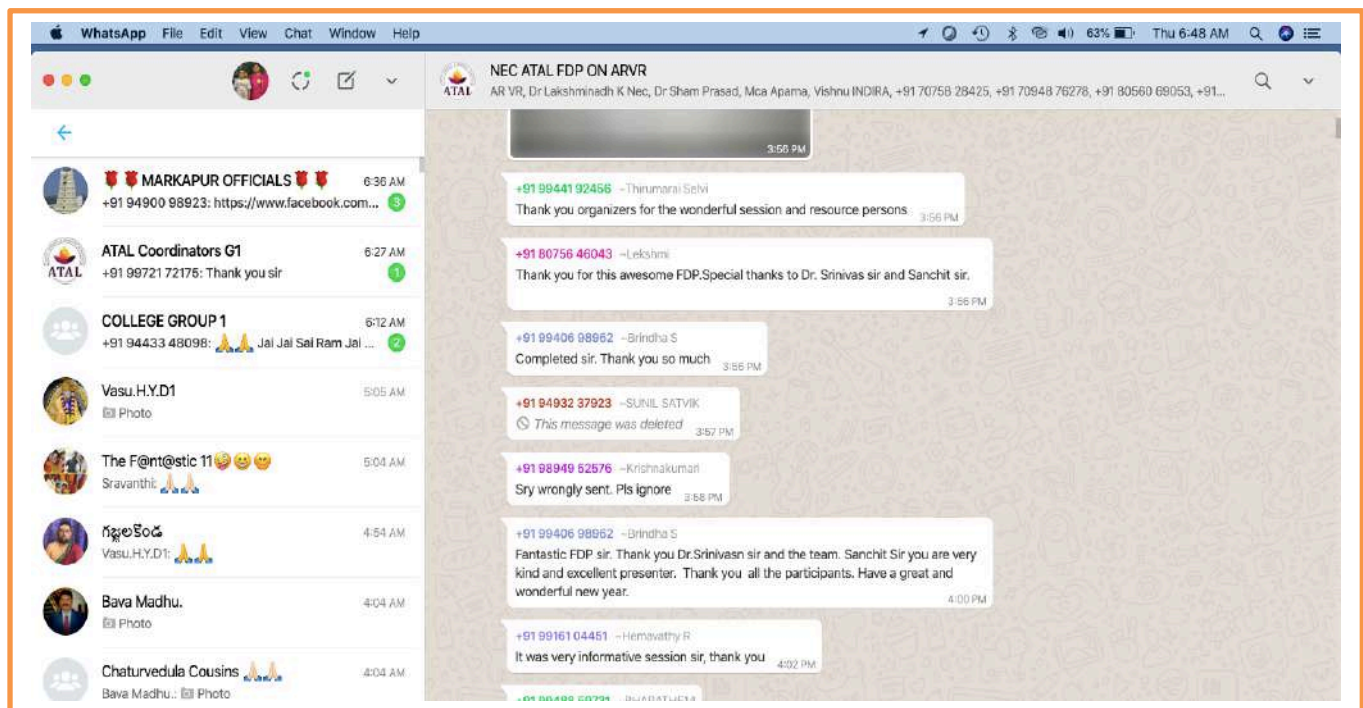
శ్రీకృష్ణ ఈశ్వర్ ఓ. జెఎన్ డియూ గ్రం నాల్గవ కీమ్ మోహిట్స్ గ్రావంత్ తమ పేర్కొన్నారు. శం మార్కులు, కొత్త అంశాలపై ఎంబి మార్కులు తెలియజేశారు. లి. ప్రిన్సిపాల్ ఎడారు.

**డా.బిల్ల, జనవరి 4, ప్రభాతవార్త:** చివరి నెల పుంకడ్డు అందుల హాత్య మరకవముందే ఆకుటుంబంలో మరో విషాదం చోటుచేసుకొంది. ఆదివారం పురంకెట్టి అంకుల్ అంత్యక్రియలు జరుగుతున్న సేపద్దంలో కుటుంబ సభ్యులు మనోవేదనకు గురయ్యారు. ఈ క్రమంలో అంకుల్ బావమరిది శ్రీనివాస్ మానసికంగా కృంగిపోయి స్వహత్యపై ఒక్కసారిగా కుప్పకూలిపోయారు. స్వహత్యలోయిన కొద్దిసేపటికి శ్రీనివాస్ మృతి చెందడం జరిగింది. ఈ ఘటనతో పెదగార్లపాడు శోకనంద్రంలో మునిగిపోయింది.

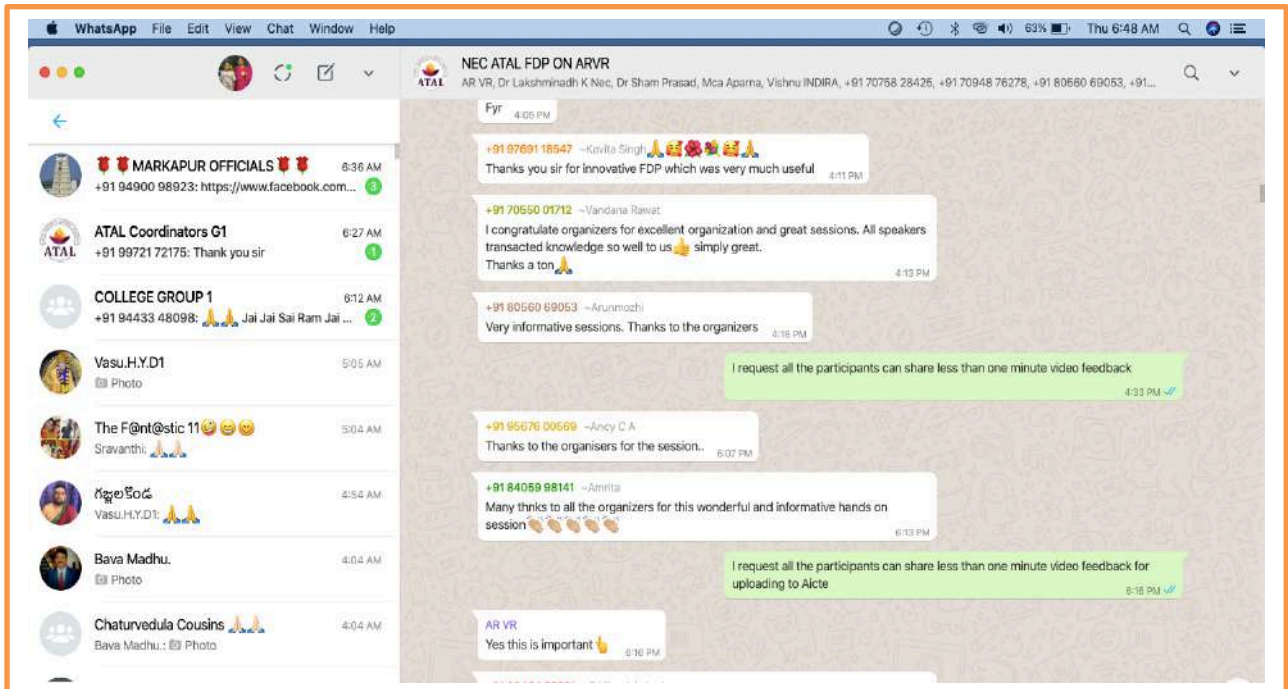
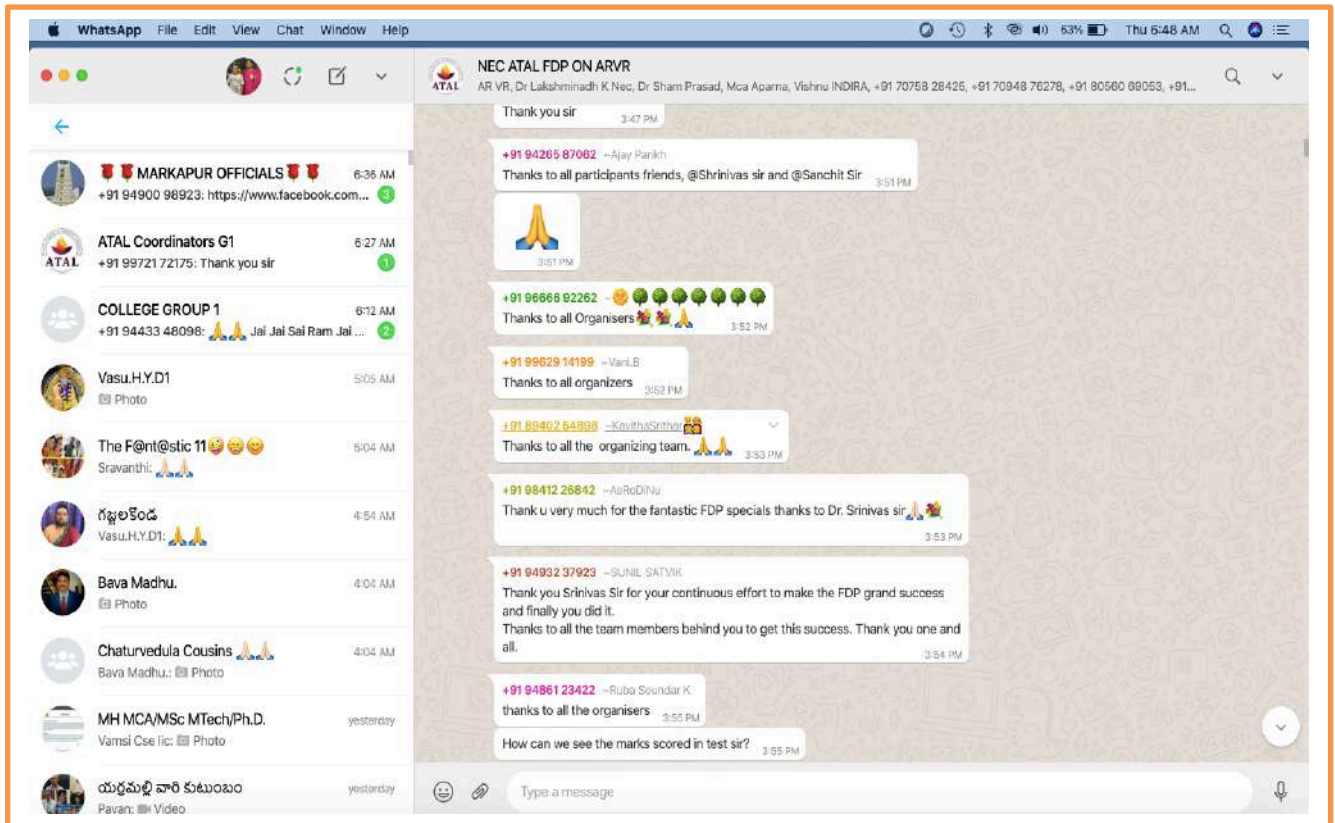
**అధ్యాపకులకు ఐదు రోజుల పాటు శిక్షణా తరగతులు**

**నరసరావుపేట, జనవరి 4 ప్రభాతవార్త :** నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూటర్ సైన్స్ విభాగం ఆధ్వర్యంలో ఆటల్ అకాడమీ, అఖిలభారత సాంకేతిక విద్యాపాలక సంస్థ స్కూల్స్ వారి ఆర్థిక సహాయంతో అధ్యాపకులకు ఐదు రోజుల పాటు ఇంజనీరింగ్ శిక్షణా తరగతులను ప్రారంభించినట్లు కళాశాల వైస్ చైర్మన్ మిట్టపల్లి చక్రవర్తి తెలిపారు. ఈ సందర్భంగా సోమవారం ఆయన మాట్లాడుతూ కళాశాల కార్యక్రమాలకు ఆర్థిక సహకారం అందించిన ఆటల్ అకాడమీకి కృతజ్ఞతలు తెలిపారు. శత్రు మాట్లాడుతూ అడ్వగ్గేటెడ్ రియల్ అండ్ వర్చువల్ రియల్ అనే అంశాన్ని సమాజానికి ఉపయోగించే విధానాలను తెలియజేశారు. ప్రత్యేకంగా మెడికల్ విభాగం నందు మానవుని యొక్క రుగ్మతలను తెలుసుకునేందుకు ఉపయోగపడే విధంగా ఇమేజ్ రూపంలో చూపించాలన్నారు. జమ్మూనీటి సాఫ్ట్వేర్ ద్వారా రోగాల తీవ్రతలను ఎలా కనుగొనవచ్చో ఈ ప్రాజెక్ట్ ద్వారా వివరించారు. కళాశాల ప్రిన్సిపాల్ శ్రీనివాసుకుమార్ మాట్లాడుతూ సాఫ్ట్వేర్ ఇండస్ట్రీలో నూతన టెక్నాలజీ ద్వారా జరుగుతున్న పరిణామాలను వివరించారు. కార్యక్రమంలో అధ్యాపకులు ఎస్.ఎన్. తిరుమలరావు, రాహుల్, పూజార, శర్మ పాల్గొన్నారు.

Some of the feedback received for the workshop are as below



# ATAL workshop on AUGMENTED REALITY AND VIRTUAL REALITY



It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online workshop, content and hands on.

Department of Computer Science and Engineering  
 AICTE ATAL Academy Sponsored Faculty Development Program  
 On

**Augmented Reality (AR) / Virtual Reality (VR)**

(January 04, 2021- January 08, 2021)

**Schedule and Recorded Video Links**

Time / Date	10:30 AM to 12:00 PM	12:00 PM to 01:00 PM	01:00 PM to 02:30 PM	02:30 PM to 03:00 PM	3:00 PM to 4:30 PM
04/01/2021	Inauguration and Introduction to AR/VR	Lunch Break	Introduction to Unity	Tea Break	2D, 3D Models and Rendering in Space
	Sanchith Sharma R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1wKwBNuJj3t8kMr8dEwnaEjbdvc7kEOB/view?usp=sharing">https://drive.google.com/file/d/1wKwBNuJj3t8kMr8dEwnaEjbdvc7kEOB/view?usp=sharing</a>		Sanchith Sharma & Maitrish Ghosh R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1AGDXRdrZ8tROWr0h6MymPPmbwdQP5Acg/view?usp=sharing">https://drive.google.com/file/d/1AGDXRdrZ8tROWr0h6MymPPmbwdQP5Acg/view?usp=sharing</a>		Sanchith Sharma R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1bqO76YOU4cJr2BxMU138ew-JrPUMXdg9/view?usp=sharing">https://drive.google.com/file/d/1bqO76YOU4cJr2BxMU138ew-JrPUMXdg9/view?usp=sharing</a>
05/01/2021	Unity Software Demonstration & Application Development	Lunch Break	Unity Software Demonstration & Application Development	Tea Break	Unity Software Demonstration & Application Development
	Sanchith Sharma & Rahul Thakur R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1p1m3eqdy-Kz1rynzbzKAY-BePvL48qsft/view?usp=sharing">https://drive.google.com/file/d/1p1m3eqdy-Kz1rynzbzKAY-BePvL48qsft/view?usp=sharing</a>		Rahul Thakur R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1koqCrLogBHEXE-ctHVoy5nD3A1TjXQN9/view?usp=sharing">https://drive.google.com/file/d/1koqCrLogBHEXE-ctHVoy5nD3A1TjXQN9/view?usp=sharing</a>		Rahul Thakur R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1DmqlHySgYeIMcpss79crHcMnkis1a0Cg/view?usp=sharing">https://drive.google.com/file/d/1DmqlHySgYeIMcpss79crHcMnkis1a0Cg/view?usp=sharing</a>
06/01/2021	Vuforia Tool Demonstration & Application Development	Lunch Break	Vuforia Tool Demonstration & Application Development	Tea Break	Vuforia Tool Demonstration & Application Development
	Rahul Thakur R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1rhGQJ-m/file/d/1rhGQJ-m">https://drive.google.com/file/d/1rhGQJ-m</a>		Maitrish Ghosh R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1PQpODxanB1gx2JyT">https://drive.google.com/file/d/1PQpODxanB1gx2JyT</a>		Maitrish Ghosh R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1dhnTN6og7jaNFI">https://drive.google.com/file/d/1dhnTN6og7jaNFI</a>



	<a href="https://drive.google.com/file/d/14HkR6tx02UapaM2Qq97GYrOCt70s1iC/view?usp=sharing">BNPu5PsMDDx-iDHyvWwBchePko/view?usp=sharing</a>		<a href="https://drive.google.com/file/d/1v8asRCQsvorCERM-X-2NuzeRrK-Ir3JAO/view?usp=sharing">3UCulG5IpjcHbUcc/view?usp=sharing</a>		<a href="https://drive.google.com/file/d/1KJjKnsqI3JdqvOA_UML6rWYV276jSGLR/view?usp=sharing">rltFlvT_1Ohl2F5nfM/view?usp=sharing</a>
07/01/2021	VR Storytelling, Film storytelling Mobile VR Platform	Lunch Break	Application of VR Platforms: VR in education, VR Maze Game	Tea Break	Introduction to Google V2 Cardboard, Working of Google v2 Cardboard
	<b>Maitrish Ghosh</b> R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/14HkR6tx02UapaM2Qq97GYrOCt70s1iC/view?usp=sharing">https://drive.google.com/file/d/14HkR6tx02UapaM2Qq97GYrOCt70s1iC/view?usp=sharing</a>		<b>Rahul Thakur</b> R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1v8asRCQsvorCERM-X-2NuzeRrK-Ir3JAO/view?usp=sharing">https://drive.google.com/file/d/1v8asRCQsvorCERM-X-2NuzeRrK-Ir3JAO/view?usp=sharing</a>		<b>Rahul Thakur</b> R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1ZX9lWnBtqMIpbFWU8yl7oVaEuFa2Z1uj/view?usp=sharing">https://drive.google.com/file/d/1ZX9lWnBtqMIpbFWU8yl7oVaEuFa2Z1uj/view?usp=sharing</a>
08/01/2021	Research Opportunities in AR/VR	Lunch Break	Stress Management Session	Tea Break	Valediction Function, Feedback and Test Session
	<b>Rahul Thakur</b> <b>Maitrish Ghosh</b> R&D Team, Anvira Edustation <a href="https://drive.google.com/file/d/1-4-e4e4S_Ksl-uLEQLPZ2uty_hEbTR3z/view?usp=sharing">https://drive.google.com/file/d/1-4-e4e4S_Ksl-uLEQLPZ2uty_hEbTR3z/view?usp=sharing</a>		<b>Dr M.Sreenivasa Kumar</b> Principal and Professor, NEC <a href="https://drive.google.com/file/d/1btVcKBa1wnQTPyDHy9-1eHReEwnBc0D9/view?usp=sharing">https://drive.google.com/file/d/1btVcKBa1wnQTPyDHy9-1eHReEwnBc0D9/view?usp=sharing</a>		<a href="https://drive.google.com/file/d/1KJjKnsqI3JdqvOA_UML6rWYV276jSGLR/view?usp=sharing">https://drive.google.com/file/d/1KJjKnsqI3JdqvOA_UML6rWYV276jSGLR/view?usp=sharing</a>

Dr S.V.N.Srinivasu  
Coordinator

**AICTE Training And Learning(ATAL) Academy Programme**

## FORMAT FOR STATEMENT OF EXPENDITURE

AICTE File No. : F No.01\_/AICTE/ATAL-HQ/2020-21 1052(12) dated 22-12-20

Title of the Programme : AUGMENTED REALITY AND VIRTUAL REALITY

Name of the Coordinator : DR S V N SRINIVASU

<u>Sanction No. and Date</u>	<u>Grant Sanctioned</u>	<u>Details of expenditure Incurred Itemwise</u>	<u>Amount Rs. (in each head)</u>	<u>No.of Participants</u>	<u>Duration of the Programme (with dates)</u>
F No.01_/AICTE/ ATAL- HQ/2020-21 1052(12) dated 22-12-20	Rs. 93000.00	1. Honorarium for Director/Vice-chancellor/Head of Institution.	10,000.00	128	5 Days ( 04-01-2021 to 08-01-2021)
		2. Honorarium to Coordinator Rs.2000/- per day × 5 days	10,000.00		
		3. Honorarium for experts (Rs.3000 per session for total 14 session).	42,000.00		
		4. Refreshment & Lunch (Rs. 300 per head for 50 trainees for 5 days)			
		5. LAB Attendnt charges	1,000.00		
		6. Institutional charges	15,000.00		
		7. Miscellaneous charges	15,000.00		
		Total	93,000.00		
		Grant Received	93,000.00		
			0.00		
		Balance to be Received			

(1) Dr S.V.N.Srinivasu  
Name and Signature of Coordinator  
with Seal

(3) Signature (with Seal ) of the Finance Officer/  
Auditor/Accounts Officer  
(If it is Govt./Govt. Aided Institute)

(2) Dr M.Sreenivasa Kumar  
Name and Signature of  
Head of Institution with Seal  
NARASARAO PETA ENGINEERING COL  
(AUTONOMOUS)  
NARASARAO PET - 522 60  
Guntur (Dist.), A.P.

(4) Signature of Chartered Accountant:  
Name of Chartered Accountant:  
Membership No:  
Rubber stamp  
Full Address:  
Date:  
V. S. Sathya  
(V.SATYADEV)  
Partner.  
FRN No.0030935

Note:-If it is more than one page, each page must be signed in all annexure

UDIN: 21211310 AAAAB01652



**Annexure-II**

NAME & ADDRESS OF THE INSTITUTE: **NARASARAOPETA ENGINEERING COLLEGE,**  
**KOTAPPAKONDA ROAD, YALLAMANDA (V),**  
**NARASARAOPET-522601**

**UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2020-21**

Name of the Scheme under which Grant was sanctioned ATAL Academy FDP  
(to be submitted separately for each sanction order)

**AICTE File No.** : F No.01\_/AICTE/ATAL-HQ/2020-21 1052(12) dated 22-12-20

**Name of Co-ordinator** : Dr S V N SRINIVASU

**Dates of the Programme** : 04-01-2021 to 08-01-2021

**Title of the ATAL Programme** : AUGMENTED REALITY AND VIRTUAL REALITY

Sl. No.	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.	F No.01 /AICTE/ATAL-HQ/2020-21 1052(12) dated 22-12-20	93,000.00	Certified that out of the grant-in-aid of Rs. 93,000 (Rupees Ninety Three Thousands) sanctioned by the AICTE during the financial year 2020-21 in favour of Narasaraopeta Engineering College as per letter mentioned in the margin, Rs. 93,000.00 on account of unspent balance of previous year, Rs. 0.00 on account of other income / receipts, a sum of Rs.93,000.00 has been utilized for the purpose for which it was sanctioned and the balance of Rs. 0.00 remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised: -**

Audited Annual Accounts of the Institute  
Receipt and Payment account  
Periodical Progress Reports.

1. Dr S.V.N.Srinivasu

Name and Signature of Coordinator  
with Seal

2. Dr M. Sreenivasa Kumar

Name and Signature of  
Head of Institution with Seal

PRINCIPAL

**NARASARAOPETA ENGINEERING COLLEGE**  
(AUTONOMOUS)  
**NARASARAOPET - 522 601**  
Guntur (Dist.), A.P.

3. Signature (with Seal ) of the Finance Officer/  
Auditor/Accounts Officer  
(If it is Govt./Govt. Aided Institute)

4. Signature of Chartered Accountant

Name of Chartered Accountant:

Membership No:

Full Address:

Date:

**For M/s Rao & Kumar Associates**

**CHARTERED ACCOUNTANTS**

M.No. 211310



(V. SATYADEV)  
Partner.

FRN No.0030935

UDIN : 21211310 AAAAB01652



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A FIVE day ATAL Sponsored FDP on AUGUMENTED REALITY AND VIRTUAL REALITY  
04-01-2021 to 08-01-2021  
Organized by  
Department of Computer Science & Engineering  
NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET

TEST QUESTION PAPER

TIME: 16 MIN

MARKS:16

1. Unity is basically a \_\_\_\_\_ [ B ]  
A) Video Editing Software  
B) A Game Engine  
C) AR/VR Engine  
D) None
2. Vuforia Image Tracking is a form of [ A ]  
A) Marker Based AR  
B) Markerless AR  
C) Projection AR  
D) Superimposition based AR
3. How to make the game view's camera to show exactly like the scene view [ C ]  
A) Select camera > click on GameObject tab > Align with view  
B) click on GameObject tab > Align with view > Align Camera  
C) Select camera > click on GameObject tab > Align Camera  
D) click on GameObject tab > Align GameView's Camera Option
4. For ground plane detection in AR, we can use which of the following SDKs [ D ]  
A) AR Core  
B) AR Kit  
C) Vuforia  
D) ALL OF THE ABOVE
5. Which version of Unity did we use? [ D ]  
A) Unity 2019.4  
B) Unity 2018.4  
C) Unity 2021.0  
D) Unity 2020.0
6. Which camera does Vuforia scene use? [ D ]  
A) Main camera  
B) Unity's camera  
C) VR camera  
D) AR Camera
7. Which GameObject do we need to add to get the VR controls in our scene, i.e: use alt + mouse to move [ . C. ]  
A) GvrEditorEmulator  
B) GvrReticlePointer  
C) GvrCameraMain  
D) GveEventSystem
8. We installed Vuforia inside Unity through [ . B. ]  
A) Vuforia's website  
B) Package Manager  
C) Unity's Website  
D) We didn't installed Vuforia

9. Which of the following code will make the car move forward [ . D. ]  
A) transform.Translate(Vector3.forward \* Time.deltaTime \* -10);  
B) transform.Translate(Vector3.up \* Time.deltaTime \* 20);  
C) transform.Translate(Vector3.right \* Time.deltaTime \* 20);  
D) transform.Translate(Vector3.forward \* Time.deltaTime \* 20);
10. Transform.position is which type of variable? [ . A. ]  
A) Float  
B) Public variable  
C) Vector 3  
D) Int
11. Which term we multiply to make our code run per second instead of per frame [ . D. ]  
A) Speed  
B) Deltatime  
C) Vector3  
D) Time.deltaTime
12. A print statement is getting printed infinitely, the statement is probably under which function or method? [ . C. ]  
A) Start()  
B) Void()  
C) Update()  
D) Awake()
13. transform.position = player.transform.position <-This line of code is inside a script that is attached to Main Camera, this will [ . B. ]  
A) Make the camera follow the car(player) accurately from behind.  
B) Make the camera's position same as car's position  
C) It will do nothing  
D) Make car's position same as camera's position  
E) All of the above
14. Which code will make the car turn like a real car. [ . C. ]  
A) transform.Translate(Vector3.right \* Time.deltaTime \* turnSpeed);  
B) transform.Translate(Vector3.forward \* Time.deltaTime \* speed);  
C) transform.Rotate(Vector3.up, turnSpeed \* horizontalInput \* Time.deltaTime);  
D) transform.Rotate(Vector3.forward, turnSpeed \* horizontalInput \* Time.deltaTime);
15. All elements of UI are child of this gameobject [ . A. ]  
A) Event System  
B) Camera  
C) Canvas  
D) Screen
16. How you will make a gameobject child of another gameobject? [ . A. ]  
A) Drag and Drop it on the other gameobject  
B) Right click and choose Make Child option  
C) Dragging and dropping it in the Inspector Window  
D) Dragging and dropping it in the Project Window Window