

Educational Television Centre

Proposed Name: Department of Multimedia Technology

Vision of the Department:

Become a centre of excellence in knowledge, innovative development, skill and ethical applications of multimedia technology

Mission of the Department:

- To impart quality education in multimedia technology
- To develop innovative tools/technology in multimedia
- To infuse scientific temper and ethics in the trainees and students and guide them to research in the emerging areas of multimedia technology.
- To develop committed and competent faculty and staff striving for excellence and research.
- To apply innovative tools/technology to infuse latest skills and confidence in learners
- To develop cooperative, collaborative and collective linkage with lead organizations for development of technical education and society.

Objectives of the Department:

- To develop e-content for digitization of technical education
- To provide knowhow on cost effective ICT support for implementation of digitization of education
- To offer innovative education and skill-training programmes on multimedia technology
- To prepare competent faculty and technical staff to take up networked based research for effective TEL.

Long-Term Programme:

(i) P.G Diploma in “ Video and Animation Production”

(ii) Ph.D guiding in the faculty of Engineering (Electronics and Communication Engineering)

(iii) M.E/M.Tech thesis guiding (Electronics and Communication Engineering)

(iv) Conducting of ME classes for both regular and modular (Jan-May: Image Processing and July-Dec: Artificial Neural Networks and Fuzzy Logic)

Now proposed:

On-line certificate course on “ Animation and Graphics”

The course is expected to be launched on 1st July,2015

Short Term Programme:

ICT Based Programmes:

O.Plan No.	Title of course	From	To	Sponsored	Attended
1.3.15	Soft Computing using Sci-Lab.	21.06.2014	25.06.2014	9 Centers	224
1.3.133	Open Source Multimedia Tools	27.10.2014	31.10.2014	07 Centers	257
1.3.64	Antenna Engineering	23.03.2015	27.03.2015		To be conducted

Contact Mode:

(i) FOR ENGINEERING COLLEGES

O.Plan No.	Title of course	From	To	Sponsored	Attended
EC-50	Simulation and Experimentation of Antenna	22.09.2014	26.09.2014	NITTTR, Chandigarh	Shifted and To be conducted on 23-27 March, 2015
EC-62	Ann And Optimization Techniques and Their Applications	17.11.2014	21.11.2014	15	07
	Artificial Neural Networks	23.02.2015	27-02-2015		To be conducted as scheduled
EC-86	Animations and Graphics (Extra planned)	16-02-2015	20-02-2015		To be conducted in Jaipur

(ii) FOR POLYTECHNIC COLLEGES

O.Plan No.	Title of course	From	To	Sponsored	Attended
1.2.4	E-content Generation	21.04.2024	25.04.2014	01	01
1.2.86	Artificial Neural Network	27.10.2014	31.10.2014		Shifted and to be conducted 23-27 Feb., 2015
1.2.114	Animation, Graphics & Multimedia	19.01.2014	23.01.2014	06	06

O.PLAN FOR THE YEAR 2015-2016**A. Short Term Courses**

Sr. No.	Programme Title	Coordinating Deptt	Beneficiary State	Target Group	Schedule	Venue/Remarks
1	E-Content Generation	ETV	National level	Poly	6-10 April, 2015	NITTTR-CHD/Outstation
2	Sci-Lab and Open Source Alternative to MATLAB	ETV	National level	Engg	18-22 May, 2015	NITTTR-CHD/Outstation
3	Antenna Laboratory Experiments	ETV	National level	Poly.	22-26 June, 2015	NITTTR-CHD
4	Artificial Neural Networks Using Sci-Lab.	ETV	National level	Engg.	20-24 July, 2015	NITTTR-CHD/Outstation
5	Animation & Graphics	ETV	National level	Poly.	3-7 August, 2015	Arya Engg. College, Jaipur
6	Microwave Engg. (Lab Practices)	ET V	National level.	Poly	7-11 September, 2015	NITTTR-CHD
7	Video recording & Editing	ETV	National level	Poly.	5-9 October, 2015	NITTTR-CHD/Outstation

8	Open Source Multimedia Tools	ETV	National level	Poly	2-6 November, 2015	NITTTR-CHD/Outstation
9	Recent Trends in Antenna	ETV	National level	Engg.	7-11 December, 2015	NITTTR-CHD/Outstation
10	Multimedia Technology	ETV	National level	Engg.	11-15 January, 2016	NITTTR-CHD/Outstation
11	E-Content Generation & Distribution using open Source Tools and Social Media Distance	ETV	National level	Engg.	1-5 February, 2016	GNE, Ludhiana

ICT Based Courses

Sr. No.	Programme Title	Schedule
1.	Sci-Lab	20-24 April, 2015
2.	Open Source Multimedia Tools	25-29 May, 2015
3.	Soft Computing	24-28 August, 2015
4.	Information Technology Tools & Packages	12-16 October, 2015
5.	E-Content Generation	14-18 December, 2015
6.	Optimization Techniques	18-22 Jan, 2016
7.	Use of ICT in Teaching-Learning	7-11 March, 2016
8.	Neural Network and Information Theory	16-20 March, 2016

Curriculum Developed:

- (i) Curriculum for six months Teacher Certificate Course
- (ii) Curriculum for on-line course(to be done)
- (iii) Revision of curriculum of P G Diploma in video and animation productions(to be done)
- (iv) Curriculum of courses of MOOCs

Seminars/Workshops Organized

- (i) IEEE-IAW-2014: Indian Antenna Week at J W Marriot, Chandigarh from 26-30th May,2014

Instructional Material Developed:

- (i) 73 Video Lectures **against a target of 50**
(a) PRODUCED

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S. No.	Programme Title & Subject Expert	Deptt	Date of Completion
1.	Phonotics By - Pooja Sareen	ETV	April ,2014
2.	Renewable EnergyPower Project-M PSingh	ETV	April ,2014
3.	Group Discussion By-Dr Vidhu Mohan	ETV	April ,2014
4.	Engineering Thermodynamics-A Simplified Approach "Real Gases" by Dr Dhananjay Gupta	ETV	June,2014
5.	Engineering Thermodynamics-A Simplified Approach "properties of Steam" By Dr Dhananjay Gupta	ETV	June,2014
6.	Engineering Thermodynamics-A Simplified Approach "Gas Vapour Mixer (Psychrometry)" By Dr Dhananjay Gupta	ETV	June,2014
7.	Engineering Thermodynamics-A Simplified Approach Lecture -5 By Dr Dhananjay Gupta	ETV	July,2014
8.	Engineering Thermodynamics-A Simplified Approach Lecture -6 By Dr Dhananjay Gupta	ETV	July,2014
9.	Engineering Thermodynamics-A Simplified Approach Lecture -12 By Dr Dhananjay Gupta	ETV	July,2014

10.	Patent searching and filing By Rahul Taneja	ETV	July,2014
11.	Carbon intensity & clear Energy Technology By Dr Anil Kumar	ETV	July,2014
12.	Embedded System Design By J S Sahanbi	ETV	July,2014
13.	Written communication(basics) By Simrat	ETV	July,2014
14.	e-mail Writing By Simrat	ETV	July,2014
15.	Patent Prior Art Search methodology By Rahul Taneja	ETV	July,2014
16.	Computer Programming By Dinesh	ETV	July,2014
17.	Financial Frauds and Investigation by Manpreet Singh	ETV	August, 2014
18.	Discovering Email Spam system Audit and Mobile security by Anup Girdhar	ETV	August, 2014
19.	Challenges & Apportunities in TVET with Special Reference to NSQF _A Case Study by Dr Roshan Sunkaria	ETV	August, 2014
20.	Faculty initiatives for research in Engineering (Fire) by Prof Sandeep Sanchati	ETV	August, 2014

21.	Introduction to Sensors Dr Rajesh Kumar	ETV	August, 2014
22.	Quality in technical Education Part 1` Dr raghuvir singh	ETV	August, 2014
23.	Quality in technical Education Part 2 Dr raghuvir singh	ETV	August, 2014
24.	Disaster mitigation By –Col(Retd) Harry Sidhu	ETV	August, 2014
25.	National Mission on Climate Change By Daria Singh	ETV	August, 2014
26.	Application of remote sensing and GIS forDisaster Management Dr Gaurav Kalotra	ETV	August, 2014
27.	Role of Adventure Sports in Disaster Preparedness By Col (Retd) H S Chauhan	ETV	August, 2014
28.	EngineeringThermodynamics-A SimplifiedApproach Lecture -7 (Thermodynamics Relations) By Dr Dhananjay Gupta	ETV	August, 2014
29.	EngineeringThermodynamics-A SimplifiedApproach Lecture -9 (Thermodynamic Cycles) By Dr Dhananjay Gupta	ETV	August, 2014
30.	Fire Fighting And Rescue Operation Equipment Not For Sale As Desired By Expert	ETV	August, 2014

31.	<p>Curriculum Implementation Programme Through ICT</p> <p>25/11/13-29/11/13</p> <ul style="list-style-type: none"> • Models of Curriculum Design by Prof. MM Malhotra • Curriculum Development Process by Prof. S.K Gupta • Aspects Of Effective Curriculum • Curriculum Monitoring and Evaluation by Dr. Y.K Anand • Instructional Strategies for Effective Teaching learning(innovations) By Dr.HBL Vohra • Task Analysis and Instructional Objective by Prof. Sunil Dutt <p>Up dated on 19/09/2014</p>	<p>For record purpose only NOT FOR SALE downloaded from YOUTUBE</p>	August, 2014
32.	<p>Retrofitting of distressed Concrete Structures By Dr H K Sharma</p>	ETV	September, 2014
33.	<p>First Aid Training Programme By Praveen Mahajan</p>	ETV	September, 2014
34.	<p>Engineering Thermodynamics L-14 Refrigeration Cycles By Dr Dhananjay Gupta</p>	ETV	September, 2014
35.	<p>Engineering Thermodynamics L-11 Vapour Power Cycles By Dr Dhananjay Gupta</p>	ETV	September, 2014
36.	<p>Carbon Credits and carbon Trading By S C Jain</p>	ETV	September, 2014
37.	<p>Disaster Mitigation Harry Sidhu</p>	ETV	September, 2014
38.	<p>Faculty Initiatives for Research in Engineering(FIRE)</p>	ETV	September, 2014
39.	<p>Chemical Hazards BY S C Jain</p>	ETV	September, 2014

40.	Qualities of Effective Teacher By Dr Vidhu Mohan	ETV	September, 2014
41.	The Art of Communication Rupan Khosla	ETV	October, 2014
42.	Introduction to Fuzzy Controllers Dr Rajesh Kumar	ETV	October, 2014
43.	Genetic algorithm for tuning of PID Controller Dr Rajesh Kumar	ETV	October, 2014
44.	Fluid Power Actuators' DR SS Dhama	ETV	October, 2014
45.	Robot Kinematics Dr Praveen Kalara	ETV	October, 2014
46.	Financial frauds and investigations Manpreet Singh	ETV	October, 2014
47.	Why And How to Audit (Internal & External) Part 1 Prof P. Thareja	ETV	October, 2014
48.	Embedded system Design Dr J S Sahambhi	ETV	October, 2014
49.	Why And How to Audit (Internal & External) Part 2 Prof P. Thareja	ETV	October, 2014
50.	Why And How to Audit (Internal & External) Part 3 Prof P. Thareja	ETV	October, 2014

51.	Introduction to sensors Dr Rajesh	ETV	October, 2014
52.	GPRS,EDGE And 3G Planning Sudesh Chopra	ETV	October, 2014
53.	3G & Beyond Sudesh Chopra	ETV	October, 2014
54.	Optical source Part 1 Dr R Bhatnagar	ETV	October, 2014
55.	Optical source Part 2 Dr R Bhatnagar	ETV	October, 2014
56.	Report Writing Dr H K Sadana	ETV	November, 2014
57.	Appearing in Interviews Meera Anand	ETV	November, 2014
58.	Environment Impact Assessment in India By Dr Randeep Singh Saini	ETV	November, 2014
59.	Writing Skills Dr Suditi Jindal	ETV	November, 2014
60.	Environmental Monitoring Assessment & Quality Control By Dr Randeep Singh Saini	ETV	November, 2014
61.	Role of Teachers in Improving Instruction By Dr S K Bhattacharya	ETV	December,2014

62.	Water pollution & Control Part 1 ByDr Siby John	ETV	December,2014
63.	Water pollution & Control Part 1 ByDr Siby John	ETV	December,2014
64.	Agilent Technologies Part 1(modified)By Vishal Gupta	ETV	Janurary, 2015
65.	Agilent Technologies Part 2 (modified)By Vishal Gupta	ETV	Janurary, 2015
66.	Quality In Technical Education & Outcome Based Accreditation Part 1 By Nameesh Miglani	ETV	Janurary, 2015
67.	Quality In Technical Education & Outcome Based Accreditation Part 1By Nameesh Miglani	ETV	Janurary, 2015
68.	Payload Based Network Intrusion Detection Using GSAD Model For HTTP Traffic On Web Services	ETV	February, 2015
69.	Addressing the network IPv4 By Ganesh Singh	ETV	February, 2015
70.	Emergency operation center ByEr baljinder Kaur	ETV	February, 2015
71.	Introduction To Latest Automative Technology (CRDI) By Yogesh Kalia	ETV	February, 2015
72.	Challenges& Emerging Technology for CNG Vehicle By Akshay Kashyap	ETV	February, 2015

73.	Friction Reduction IN IC Engines By Dr RK Pandey	ETV	February, 2015
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- (ii) Video Lectures down loaded and Edited from YouTube:five Channels (nitttrchd ETV, ETV1, ETV2, EE, ECE,)
- (iii) Video Lectures uploaded to You Tube channel (NCTEL) 442 (Total 899)(www.Youtube.com/ nitttr)
- (iv) Video Lectures supplied to NCTEL of institute website (Total 899)
- (v) Video Lectures uploaded to blogs(nitttretv)505 (nitttretv.blogspot.in or nitttrchdetv.com)
- (vi) Number of video Films Under production: 60 Nos

Research and Development

- (i) Developed Moodle based LMS: SAMS (Smart academic management system)
- (ii) Submitted and defended a proposal of Rs.70 lakhs in the cognitive science initiative of DST, Govt. of India but could not succeed. The modified proposal is getting ready for submission to DST.

Ph.Ds:

One Dr.J.G.Joshi got awarded in 2014

Two students Mr.RajeshMehra and Mr.D.G.Jadav have submitted their thesis

Eight students are pursuing:

- (i) Mrs. GarimaSaini
- (ii) Mr.DhanveerMandal
- (iii) Mr.B.S.Dhaliwal
- (iv) Mr.Pushkar Mishra
- (v) Mr.Surinder Singh Saini
- (vi) Mr.TanujGarg
- (vii) M/S Suman
- (viii) Mr.Rakesh Kumar

Sl. No v to vii are joint guide

M.E/ M.Tech Thesis Completed in last year

Regular: (From NITTTR, Chandigarh)

- (i) Ms.Neha
- (ii) Ms.JapjeetKaur
- (iii) Mr.ArunGangwar

Sponsored M.Tech students from Amity University, Noida completed thesis in 2014

- (i) Mr.MohitBarthwal
- (ii) Mr.Sohaib Abbas Zaidi
- (iii) Ms. Shalini

Thesis in Progress

Regular: 03 students

Modular: 08 students

Number of B.Tech students trained in 2014:

Information of B. Tech., and M.Tech Student training for the year of 2013-14

Sr. No.	Name	Amount Rs.
1	Varinder Verma	20225.00
2	Ms. Chandni Mehata	20225.00
3	Manisha Ghunsar	6742.00
5	Arvind Tiwari	6742.00
6	Aakriti Kuntal	6742.00
7	Rishab Sharma	6742.00
8	Denny Saini	6742.00
9	Suman	10112.00
10	Shalini	20225.00
11	Sohaib Abbas Zaidi	20225.00
12	Mohit Barthwal	20225.00
13	Harmeet Kaur	13484.00
14	Gurpreet Kaur	20225.00
15	Vishakha Thakur	20225.00
16	Deepanshu Kaushal	20225.00
17	Jaideep Bansal	10112.00

Information of B. Tech. Student training for the year of 2014-15

Sr. No.	Name	Amount in Rs.
1	Anurag Thakur	Rs. 13,483.00
2	Maninder Singh Tuli	Rs. 13,483.00
3	Karan	Rs. 13,483.00
4	Tanveer Singh Kahlon	Rs. 20,225.00
5	Paramdeep Singh	Rs. 20,225.00
6	Palwinder Singh	Rs. 13,483.00
7	Jai Dev	Rs. 13,483.00

Details of Publications in 2014:

International Book:

- (I) Vipul Sharma and Shyam Sundar Pattnaik “Microwaves, Matamaterial and Skin Cancer Detection” Lambert Academic Publishing , January,2014, 196 Pages ISBN: 978-3-659-26646-1, ISBN-10: 365951134X, ISBN-13: 978-3659511349.
- (II) J. G. Joshi and Shyam S. Pattnaik, “Metamaterial Loaded Antennas for Wireless Communication, LAP Lambert Academic Publishing, Germany, ISBN 978-3-659-22691-5

International Book Chapters:

1. J. G. Joshi and Shyam S. Pattnaik, "Metamaterial Based Wearable Microstrip Patch Antennas," “Handbook of Research on Progressive Trends in Wireless Communications and Networking, IGI Global, USA, pp.518-556, DOI:10.4018/978-1-4666-5170-8, ISBN 13:9781466651708.
2. J.G. Joshi and Shyam S. Pattnaik “Metamaterial Loaded Microstrip Patch antennas” Encyclopaedia of Information Science and Technology, IGI Global, USA.
3. J. G. Joshi and Shyam S. Pattnaik “Metamaterial Based Wearable Microstrip Patch antennas,” Book title: “Handbook of Research on Progressive Trends in Wireless Communications and Networking-Theory and Practice,” Chapter 20, pp. 518-556, Information Science Reference (an imprint of IGI Global), USA, 2014.

International Journals:

1. . B. S. Dhaliwal, S. S. Pattnaik and J. Boparai, “A Cross-Stitch Geometry Based Multiband Fractal Antenna”, Microwave and Optical Technology Letters, vol. 56, no.3, pp. 667-671, 2014
2. B. S. Dhaliwal and S. S. Pattnaik, “Feed Point Optimization of Fractal Antenna Using GRNN-GA Hybrid Algorithm”, Advances in Intelligent Systems and Computing (Springer), Vol. 236, pp. 25 - 30, 2014.
3. Tanuj Kumar Garg, S.C.Gupta, S.S.Pattnaik, Vipul Sharma, “Optimized Reconfigurable Electrically Small Planar Microstrip Patch Antenna Loaded With Metamaterial”, International Journal of Emerging Technology and Advanced Engineering, Vol. 4, Issue 8, 2014.
4. Tanuj Kumar Garg, S.C.Gupta, S.S.Pattnaik, “Metamaterial Loaded Frequency Tunable Electrically Small Planar Patch Antenna”, Indian Journal of Science and Technology, Vol 7(11), 1738–1743, November 2014. (ISSN (Online) : 0974-5645)

5. Tanuj Kumar Garg, S.C.Gupta, S.S.Pattnaik, Vipul Sharma, “ A Tunable Square Shaped Split Ring Resonator Using Micro Electro Mechanical (MEMS) Switch”, International Journal of Applied Engineering Research, Vol. 9, No. 12 (2014), pp. 1917-1926, 2014.(ISSN 0973-4562)
6. Tanuj K. Garg, S.C.Gupta, S.S.Pattnaik, Vipul Sharma, “ Frequency Reconfigurable Metamaterial Inspired High Gain Antenna”, International Journal of Enhanced Research in Science Technology & Engineering, Vol.3, Issue 3, pp. 202-206, 2014.(ISSN 2319-7463)
7. Tanuj Kumar Garg, S.C.Gupta, S.S.Pattnaik and Vipul Sharma, “ A Tunable Metamaterial Design Using Microelectromechanical System (MEMS) Based Split Ring Resonator (SRR)”, International Journal of Physical Sciences, vol 8(37), pp 1857-1861,2013.

International Conferences:

1. M. P. Joshi, J. G. Joshi and Shyam S. Pattnaik. “ Wearable Microstrip Patch Antennas: A Review” Elsevier Proceedings of 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET’2014), 28-30March 2014, pp.311-315.
2. Ahire D.D., J.G. Joshi and Shyam S. Pattnaik “Metamaterial Based Microstrip Patch Antennas: A Review” Elsevier Proceedings of 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET’2014), 28-30March 2014, pp.403-407.

National Conferences

- 1) Chirag Arora, Shyam S. Pattnaik, R. N. Baral, “MSRR Loaded Microstrip Patch Antenna Array for 5.8 GHz Wi-MAX Applications” Proceedings of International Symposium on Antenna and Propagation, APSYM 2014, 17th-19th Dec 2014, pp. 113-118,Cochin, Kerala..
- 2) Chirag Arora, Shyam S. Pattnaik, R. N. Baral, J.G. Joshi, “Performance Enhancement of Microstrip Patch Antenna Array using SRR Loading” Proceedings of Indian Antenna Week 2014, 26th-30th May 2014, Chandigarh.
- 3) B. S. Dhaliwal and S. S. Pattnaik, “A Miniaturized Multiband Split Ring Fractal Patch Antenna”, IEEE Indian Antenna Week (IAW-2014), Chandigarh, India, 2014, pp. 1-3.

IRG Generated:

(A) TRAINING (STUDENTS) (B.Tech., M.Tech and Ph.D) from outside institute

S.No	O.Plan No.	Programme Title	Coordinator	No. of students	Amount Rs.
1.	5.13 (e)	Antenna Design	Dr. S.S. Pattnaik	17	2,69,669.00
2.	5.15 (g)	Anteena	Dr. S.S. Pattnaik	07	1,07,865.00
Total:					3,77,534.00

S.No	O.Plan No.	Programme Title	Coordinator	Dated	Amount Rs.
1.	5.13	Documentary film on Insects of Apples, Mashobra	Dr. S.S. Pattnaik and team	2013-14	1,75,000.00
2.	5.15 (g)	Ministry of Labour ATI, Ludhiana	Dr. S.S. Pattnaik and team	18-20 June,2014	96,000.00
3.	5.15 (g)	Ministry of Labour ATI, Ludhiana	Dr. S.S. Pattnaik and team	16.07.2014	82,540.00
4.	5.15 (g)	Ministry of Labour ATI, Ludhiana	Dr. S.S. Pattnaik and team	10.09.2014	35,750.00
5.	5.15 (g)	Ministry of Labour ATI, Ludhiana	Dr. S.S. Pattnaik and team	11-12 Nov., 2014	71,500.00
6.	5.15 (g)	Ministry of Labour ATI, Ludhiana	Dr. S.S. Pattnaik and team	22-23 Dec., 2014	71,500.00
7.	5.15 (g)	State Bank of Patiala	Dr. S.S. Pattnaik and team	--	2,50,000.00

7,82,229.00

S.No	O.Plan No.	Programme Title	Coordinator	Dated	Amount Rs.
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1	5.15 (g)	Documentary film PEC University of Technology,	Dr. S.S. Pattnaik and team	Yet to start	7,00,000.00
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Expert lectures delivered by the individual members outside NITTTR:

Prof.S.S.Pattnaik delivered expert lectures at various locations including that of Kurukshetra University, Panjab University, NIT Kurukshetra etc.

Contribution of individual in NBA preparation:

Prof.S.S.Pattnaik now has joined ECE department to help them modify the document as per the guidelines of NBA.

Status of information uploaded on institute website:

Major information is uploaded. List of publication of Prof.Pattnaik is uploaded partially.

Future plan of the department:

1. Run P.G. Diploma Programme
2. Start on-line free certificate course on Animation and Graphics
3. Popularize the moodle based LMS (NC-SAMS)
4. Complete transformation of Main Studio to HD format
5. Renovation and facility enhancement of Mini Studio
6. Running of NITTTR, Chandigarh IPTV & IP Radio Channels.
7. Getting sponsored project from external agency.
8. Setting up of Smart Class Room
9. Materials development for MOOCS
10. Implement of activities as proposed in O.Plan for 2015-16
11. Recording of e-content for UP State
12. To run & support quality ICT based programme.

Purchase made by the department (Performa)

Sr. No.	PO No.	Equipments/Items	Amount Rs.
1	NITTTR/INTERNET/LEASE/167 DATED 10.12.2013	Internet-lease	5,86,938.00 (up to 16.12.2015)
2	NITTTR/ETV/58 Dated 24.06.2014	Desktops	6,98,040.00
3	NITTTR/ETV/58 Dated 24.06.2014	Optical Disk	65,048.00
		Total:	Rs. 13,50,026.00

Action taken on MOUs signed:

Proposed to conduct IDEA-2015 at Jaipur during September,2015

Laboratory recordings at Arya College of Engineering and IT, Jaipur

Details of duties assigned to staff members:

List of Subordinate Staff , Job Responsibilities

Sl. No	Name and Designation	Job Responsibilities	Date of Superannuation
1	Sh.G.B.Pandey Sr.Prooducer	Produce video films as per the target fixed by the various departments of institute, Consultancy work as assigned by the H O D, writing video script for such consultancy programmes, teaching classes on script writing and looking after the charge of H O D in the absence. Handling VM due to shortage of manpower.	30.05.2015
2	Sh. V.Vadhera Sr.Visualizer	Generating animation and graphics as per the requirement of the video films/ projects, teaching classes on animation and graphics, Looking after multimedia laboratory, preparing instructional materials on GIMP for MOOCs, Coordinating ICT activities of the department in the absence of H.O.D. Handling camera and VM panel due to shortage of manpower.	30.09.2018
3	Sh. Ashish Research Assistant	Editing of recorded video lectures/films, maintaining stocks of computer and computer related items of the department, teaching classes on editing, , one of the expert of the expert members of the department committee to prepare the specification of the equipments. Looking after the Editing laboratory. Handling Camera, Google hangout and VM due to shortage of manpower	31.12.2030
4	Sh.J.L.Verma Electronics Engineer	Up-keeping of studios, maintenance of studio equipments, handling CCU, maintaining all purchase files, , one of the expert of the expert members of the department committee to prepare the specification of the equipments. looking after the routine day to day purchase of the requirement submitted by the other members of the department, setting up of video conferencing equipment or Google hangout at out station programmes. Looking after the ENG store and Maintenance laboratories.	30.06.2018

		Handling of VM and Camera due to shortage of manpower.	
5	Sh.A.Kapila Producers	Production of video films both lecture based and consultancy, making information brochure etc for department taking class on indoor and out door recording, writing video script, publicity of department activities . Handling VM and camera in the ICT activity due to shortage of manpower	30.04.2018
6	Sh.B.Bedi Visualizer	Making animation and graphics for different projects as per the need, taking classes on animation and graphics, making lecture materials on Google sketchup and Art of illusion for MOOCs , looking after the animation and graphics laboratory. Sitting on CCU, vision mixture, making logos, illustrations as & when required.	31.05.2020
7	Mrs. S.Bhanot Technician	Video Editing, Capsules making for Gyandharshan Channel, maintenance of editing and other video equipments, one of the expert of the expert members of the department committee to prepare the specification of the equipments. Teaching classes on editing, looking after the Linear editing and Capsuling laboratory. Handling of camera due to shortage of manpower.	31.07.2027
8.	Sh.Anurag Soni Cameraman	Operating camera for all in-door and outdoor shooting, Looking after the video library, maintaining video library, keeping record of video library, conversion of materials to CDs and DVDs on demands, maintaining camera equipment, teaching classes on camera. One of the expert members of the department committee to prepare the specification of the equipments.	31.07.2035
9.	Mrs.Karamjeet Kaur UDC	Maintaining Files of ETV deptt. Clearance of routine dak and further distribution to concerned officials. routine typing work, dak receive and dispatch, Preparation of TA/DA Bills ETV faculty and staff, TA bills of STCs participants. Maintaining.The registers of EL,HPL, Casual Leave of ETV faculty and staff.	31.08.2021
10.	Sh.Jagir Singh Lab. Attendant	Looking after the cleaning of equipments, Handling the equipment in out door shooting, studio light maintenance, preparing and laying of studio cables.	31.07.2026

		Due to shortage of manpower, handle lighting control during recording	
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Details of assignment taken i.e. AICTE/NBA/University/other institute during last academic year by each faculty member:

Prof. S.S.Pattnaik acted as member of the expert committee to evaluate Tier-I and Tier - II UG programmes

BOS member of Gurukul Kangri University and Panjabi University Patiala

Research Board member of Panjab University

Sponsored Research proposals submitted/in process:

Sr. No.	Name of the project	Submitted to
1.	Development of hybrid neuro-computing technique psycho-memory due to RF radiation.	DST, Govt. of India
2.	Documentary film on State Bank of Patiala	State Bank of Patiala
3.	Documentary film on Wetlands of PSCST, MGSIPA, Chandigarh	PSCST, MGSIPA, Chandigarh
4.	Manpower Development for Media and Entertainment Sector to act as Master Trainers. Or Development of Master Trainers for Media and Entertainment Sector	Submitted to Panjab Government

Major Contributions:

1. Low cost technology for ICT Based Programme
2. Moodle Based LMS
3. Video for NCTEL & NITTTR YouTube Channel
4. ICT Technology for Skill Training
5. Number of Ph.D students produced.
6. Instructional Materials on Animation & Graphics for MOOCS (Partly completed).

7. Conduction of reputed event IEEE: sponsored IAW-2014
8. National Transmission Gyandarshan/Gyan Vani
9. Video recording of all the institutional events.
10. Acted as anchor/convener/judge/coordinator of various programmes of the institute.

CAPSULES FOR IGNOU

274 NUMBERS OF CAPSULES FROM THE MONTH OF April 2014 to Dec,2014 were sent to EMPC, IGNOU, New Delhi as part of the commitment of continue the transmission programme under Tech Ed.Vision of Gyandharsan Programme of DD Channel.

Studio Activities

ICT Programmes conducted till date:

1. Induction Programm: 31
2. Technical Programme: 29
3. For Students Technical and Communication Skills programme: 13 Programme
4. For Ministry of Labour Programme: 10
5. NPTEL workshop NIT, Kurukeshtra
6. E-Content Workshop for UP State
7. Green Building etc.

I. Studio Renovation

- Prepared technical specifications for transformation to HD format (Main Studio)
- Tender have been received
- Dias is planned, outlay is prepared
- Lighting is planned, specifications prepared and missed on tender due to technical flaw.

II. Mini Studio renovation is under process.

- Letter has been communicated to Director
- Estate Officer has been shown physically the requirement.
- Equipments have been planned.

ICT Activities

- Provide Technology and support for ICT activities.

- Updating & maintaining YouTube channel of institute.
- Maintaining Blogs of Institute.
- I P T V Channel of Institute.
- I P Radio Channel of Institute.

Smart Class Room:

Specifications have been finalized and tendering shall be done within a week time

Prof.S.S.Pattnaik

Professor and Head

ETV Centre