

Academic Staff College

Devi Ahilya Vishwa Vidhyalaya, Indore (M.P.)



Complete Report Of

Refresher Course in Laser Physics and Electronic

28/10/2014 to 17/11/2014

Director
Dr. Namrata Sharma

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1st Refresher in Laser Physics and Electronics

From 28-10-2014 to 17-11-2014

TIME TABLE (FIRST WEEK)

DAY/DATE	10.30am to 12:00pm	12.00pm to 1.30pm	1.30pm to 2.30pm	2.30pm to 4.00pm	4.00pm to 5.30pm
Tuesday 28-10-2014	Registration	Registration	BREAK	Finalizing Topics for Seminar Dr. S.N. Kane	Finalizing Topics for Poster Presentation Dr. S.N. Kane
Wednesday 29-10-2014	Library	Topic High Pressure Physics and its relationship of Material Science Dr. D. Varshney		Magnetism Lecture -I Dr. S.N. Kane	Spintronic Dr. P. Sen
Thursday 30-10-2014	Library	Polymer -I Dr. M. Banerjee		High Pressure Physics Dr. D. Varshney	Fiber optics Dr. G. Mishra
Friday 31-10-2014	Library	Fiber optics Dr. G. Mishra		Spintronic Dr. P. Sen	X-ray Diffraction Dr. D.M. Phanse
Saturday 01-11-2014	Library	High Pressure Superconductivity Dr. D. Varshney		Introduction FEL Dr. G. Mishra	Nano Structure Dr. D.M. Phanse

Refresher Course in Laser Physics and Electronic

Attendance List

Date of Commencement 28/10/2014 to Date of Completion 17/11/2014

S.N	Name of the participant	Subject	College	E-mail ID	Mobile No.	Signature
1	Mr. Dharmendra Bhalse	Physics	Govt. P.G. College, Khargone, M.P. 451001	dbhalse940@gmail.com	9926786126	
2	Mr. Prem Singh Malviya	Physics	Govt. P.G. College, Shujalpur, M.P.465333	psm_senhore@rediffmail.com	9425684136	
3	Ms. Shabna bi Abdul Rehman Khatik	Physics	H.J. Thim College of Arts & Science, Jalgaon, M.S.	shabnam20oct@rediffmail.com	9260434406	
4	Dr. Anita Yadav	Physics	B.S.N. Govt. P.G. Coll., Shajapur, M.P. 465001	mrsanitayadav@rediffmail.com	9977195335	
5	Dr. Ganpat Ahirwar	Physics	Vikram University Ujjain, M.P. 456010	ganpat.physics@gmail.com	8435642546	
6	Mr. Pramod Kumar Malviya	Physics	Govt. College, Nagda, M.P. 456335	malviyapramod35@yahoo.co.in	9407140050	
7	Mr. L.S. Chongad	Physics	Govt. Arts & Science College, Ratlam, M.P. 452001	lschongad@yahoo.in	9425978159	
8	Mr. Raju Sapkale	Physics	Pt. J.N. Govt. College, Nepa Nagar, Burhanpur, M.P.	sapkale.raju@rediffmail.com	9926638656	
9	Mr. S.K. Ujle	Physics	Govt. P.G. College, Jhabua, M.P. 457661	janu.ok@gmail.com, skujle@rediffmail.com	9826713447	
10	Mr. Amit Sahenbrao Biraris	Electronic	S.S.V.P. Sansthas L.K. Dr. P.R. Ghogrey Science College, Dhule, M.S. 424005	amithiraris@gmail.com	8983071841	
11	Asst. Prof. Bagul B.Y.	Physics	Vasant rao Naik Art's & Sci. College Shahada	bybagul@gmail.com	9960102253	
12	Dr. Vishal Kumar	Physics	Govt. Women P.G. College Kandla, Sharnli, U.P. 247775	vkphylec@yahoo.in	9219857772	
13	Dr. Pramod Kumar	Physics	Vardhaman College, Bijnor, U.P. 246701	dr_pkdharma@yahoo.co.in	9410433683	
14	Dr. Shirish B. Patil	Physics	K.G. Karjat College of A.S.C. Karjat, Raigad, M.S. 410201	shirishb1115@gmail.com	9029102191	
15	Dr. Suhas Ramkrishna Patil	Physics	Dr.A.G.D.Bendale mahavidyalayay, Jalgaon	suhaspatilss@yahoo.co.in	9850528038	
16	Dr. Mahendra Kumar Maurya	Physics	Rajeev Gandhi Govt. P.G. College, Ambikapur, Sarguja, C.G. 497001	mahendrabhu@gmail.com	7587033040	
17	Dr. Manju K. Chaturvadhav	Electronic	School of Ele., DAVV, Indore M.P. 452001	mkorwal@yahoo.com	9926101942	
18	Dr. Amit Baburao Patil	Physics	North Maha. Univ. Jalgaon	amitpatilpca@gmail.com	8412016116 / 7588516224	
19	Mrs. Mandakini N. Chaudhari	Physics	Smt.N.N.C.Art's, Comm. & Sci. College, Kusumba	chaudhari.mandakini@gmail.com	7709337798	

*Refresher course in Laser Physics and Electronic
(28/10/2014 to 17/11/2014)*

Resource Person List

<i>SN</i>	<i>Name of Resource Person</i>	<i>Mobil No.</i>
1	<i>Dr. S. N. Kane</i>	
2	<i>Dr. D. Varshney</i>	
3	<i>Dr. P. Sen</i>	
4	<i>Dr. M. Banerjee</i>	
5	<i>Dr. G. Mishra</i>	
6	<i>Dr. D. M. Phase</i>	
7	<i>Dr. K. P. Maheshwari</i>	
8	<i>Dr. T. Shripati</i>	
9	<i>Dr. Abhay Kumar</i>	
10	<i>Dr. Arvind Shaligram</i>	
11	<i>Dr. Y. Choyal</i>	
12	<i>Dr. Ajay Gupta</i>	
13	<i>Dr. Mukul Gupta</i>	
14	<i>Dr. R. J. Choudhary</i>	
15	<i>Dr. V. Sathe</i>	
16	<i>Dr. G. Gupta</i>	
17	<i>Dr. N. P. Lalla</i>	

1st Refresher in Laser Physics and Electronics

From 28-10-2014 to 17-11-2014

TIME TABLE (FIRST WEEK)

DAY/DATE	10.30am to 12:00pm	12.00pm to 1.30pm	1.30pm to 2.30pm	2.30pm to 4.00pm	4.00pm to 5.30pm
Wednesday 12-11-2014	Seminar Dr. Y. Choyal	Seminar Dr. Y. Choyal	BREAK	Thin Films Dr. M. Gupta	X-ray Diffraction Dr. N. Lalla
Thursday 13-11-2014	Seminar Dr. G. Mishra	Seminar Dr. G. Mishra		Thin Films Dr. M. Gupta	Transmission Electron Dr. N. Lalla
Friday 14-11-2014	Seminar Dr. A. Mishra & Dr. Y Choyal	Seminar Dr. A. Mishra & Dr. Y Choyal		Spintronic Dr. A. Gupta	Spintronic Dr. A. Gupta
Saturday 15-11-2014	Seminar Dr. Y Choyal	X-ray Scattering Dr. G. Gupta		Poster Presentation Dr. P.Sen	Poster Presentation Dr. P.Sen
Sunday 16-11-2014	Raman Spectroscopy Dr. V. Sathe	XAS Dr. V. Sathe		Magnetostriction measurements Dr. S.N. Kane	Mossbauer Spectroscopy Dr. S.N. Kane
Monday 17-11-2014	Thin Film Growth & Properties Dr. R.J. Choudhary	An Introduction to Spintronic Dr. R.J. Choudhary			

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Monday 03-11-2014	Magnetism Part-II Dr. S.N. Kane	Black Holes Dr. K.P. Maheshwari	BREAK				
Wednesday 05-11-2014	Free Electric laser * Dr. K.P. Maheshwari	Electron Spectroscopy for Chemical analysis T. Shripathi				Cosmic Numbers Dr. K.P. Maheshwari	Nonlinear Optics Dr. P. Sen
Friday 07-11-2014	Conventional Material for superconductivity Dr. D. Varshney	Electron Spectroscopy for Chemical Analysis-II Dr. T. Shripathi				Evolution of Physics * picture of Nature Dr. K.P. Maheshwari	Nonlinear Optics-II Dr. P. Sen
Saturday 08-11-2014	Material Characteristics Dr. D. Varshney	Polymer Characteristics Dr. M. Banerjee				Electronics Optical Detector Dr. Abhay Kumar	FEL Dr. G. Mishra
Monday 10-11-2014	Fiber Optic Dr. A.D. Shaligram	Fiber Optic Dr. A.D. Shaligram				Optical Detector Dr. Abhay Kumar	Optical Detector Dr. Abhay, Kumar
Tuesday 11-11-2014	Integrated Optics Dr. A.D. Shaligram	Integrated Optics Dr. A.D. Shaligram				Visit to IUC	Visit to IUC

Date: 28/10/2014

Session I

Time 10:30 to 12:30Hrs

Introductory session

Registration of participants has completed. A warm welcome was extended by Dr. Namrata Sharma to all the participants.

Date: 28/10/2014

Session II

Time 12:30 to 1:30Hrs

FRIST REFRESHER COURSE IN LASER PHYSICS AND ELECTRONICS started with inauguration by honourable guest Dr. Ashutosh Mishra head of School of Physics DAVV Indore. On this occasion Dr. A.K. Datta declared time table of course and Dr. Namrata Sharma Director of ASC gave his valuable lecture on importance of the course.

Date: 28/10/2014

Session III & IV

Time 02:30 to 05:30Hrs

Resource Person: Dr. S.N. Kane, School of Physics DAVV, Indore

In this session groups were formed and topic declared by participants for seminar. Dr. S.N. Kane gave idea about the preparation of poster and seminar.

Date: 28/10/2014

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Date: 28/10/2014

Session III & IV

Time 02:30 to 05:30Hrs

Resource Person: Dr. S.N. Kane, School of Physics DAVV, Indore

In this session groups were formed and topic declared by participants for seminar. Dr. S.N. Kane gave idea about the preparation of poster and seminar.

Date: 29/10/2014

Session I

Time 10:30 to 12:30Hrs

In first session 10:30 to 12:00 participant visit to central library and IT center of DAVV where journals and WI-FI facilities given to participants.

Date: 29/10/2014

Session II

Time 12:30 to 1:30Hrs

Resource Person:Dr. Dinesh Varshney , School of Physics DAVV, Indore

Delevered a wonderful lecture on high pressure physics and its role in material Science and discussed the three fundamental tools in condensed matter research for example Na Cl.

Date: 29/10/2014

Session III

Time 02:30 to 4:00Hrs

Resource Person:Dr. S. N. Kane , School of Physics DAVV, Indore

Prof. Kanke talked on origine of magnetism : Origin of magnetism, units used in magnetism, different classed of magnetic materials with hysteresis and its application are discussed.

Date: 29/10/2014

Session IV

Time 4:30 to 05:30Hrs

Resource Person:Dr. Pratima Sen , School of Physics DAVV, Indore

Prof. Sen deleverd wonderful lecture on LASER and its applications and discussed about different types of LASER and clasification.

Date: 30/10/2014

Session I

Time 10:30 to 12:30Hrs

Dr. Bhumesht Gupta delivered the lecture on Higher Education system API index in MP. He conducts multiple choice questions to API index and deal with positive and negative effect on API index. All the participants visited IT Centre for preparation of poster and presentation.

Dr. M. Banarji professor in physics, School of Physics DAVV, Indore talked about material science specifically atomic molecular, solid state physics, condensed matter physics, material structure property and its application .she also delivered the lecture on rubber and polymer age.

Date: 30/10/2014

Session II

Time 12:30 to 1:30Hrs

Resource Person: Dr. Vasshney, School of Physics DAVV, Indore

Dr. D. Varshney professor in physics, School of Physics DAVV Indore talked XRD, Electrical, optical spectroscopy, Raman, IR Spectroscopy, four probe and two probe methods and also deal in research used software.

Dr. G. Mishra professor in physics, School of Physics DAVV Indore talked Fibre optics, LED, LASER diode, optical Fiber and communication system, Fibre optical technology, total internal reflection, critical angle and numerical appearance.

Date: 31/10/2014

Session I & II

Time 10:30 to 12:30Hrs

All the participants visited IT Center for preparation of poster and presentation.

Dr. G. Mishra professor in physics, School of Physics DAVV Indore talked on index multimode fibre, single mode, and dispersive mode, types of losses and optical couples and switch. He also deals with multiple choice questions.

Date: 31/10/2014

Session III & IV

Time 12:30 to 1:30Hrs

Resource Person: Dr. P. Sen, School of Physics DAVV, Indore

Dr. P. Sen professor in physics, School of Physics DAVV Indore talked on Electron using spine, metal spintronic, and Giant magneto resistance semiconductor spintronic light induced carriers and circularly polarized light.

Dr. Deo Datta professor in physics, RRCAT Indore talked on surface ,interface and bulk materials characterization using Indus synchrotron sources :Synchrotron source, continuous spectrum-ray beam for Indus 1 ,Soft and hard x-ray ,High resolution VUV beamline, photo absorption spectroscopy, polarised high beam line, XRD, MAR, Huber and XRF etc.

Date: 01/11/2014

Session I & II

Time 10:30 to 1:30Hrs

All the participants practiced on net at IT Centre, DAVV, Indore.

Dr. D. Varshney professor in physics, School of Physics DAVV Indore talked gave an overview of high temperature superconductor: - Two probe method, Thermal Resistance, Superconductivity, BCS theory etc

Date: 01/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. G. Mishra & Dr. Deodatta M. Phase

Dr. G. Mishra professor in physics, School of Physics DAVV Indore talked on free electron LASER, Inverse free laser, Dielectric wave field accelerator, undulates.

Dr. Deodatta M. Phase professor in physics, DAV-IUC DAVV Indore talked on preparation of nano structure, nano structure materials, sole gel method, and micro - wave method, PLD etc.

Date: 03/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. S. N. Kane professor in physics DAVV Indore talked on Ferrimagnetisms, Antiferromagnetis. The magnetic structure is composed of two magnetic sub lattices, structure of magnetite, soft ferrites, hard ferrites and Application of ferromagnetic materials.

Dr. K. P. Maheshwari, Ex-professor and head in physics DAVV Indore talked on Quantum mechanics of Black Holes, Milky way, Schwarzschild radius, Gravitational collapse, cape velocity, vending of space, mass, charge angular momentum the theory of relativity QUASURS and PULSARS .

Date: 03/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. K.P. Maheshwari & Dr. P. Sen

Dr. K. P. Maheshwari Ex-Professor and Head in Physics, DAVV, Indore talked on the cosmic number radius of nucleon, mass of the nucleon, electron and charge on electron, fine structure formula, electrical and gravitational force, micro level gravitational force, and Compton wavelength and cluster hypothesis.

Dr. P. Sen professor in physics DAVV Indore talked on optical fibre, electrical signal laser diode, electromagnetic property of dielectric materials, Maxwell electromagnetic equation and its relation and its application.

Date: 05/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. K. P. Maheshwari Ex-professor in physics DAVV Indore talked on special theory of relativity, laws of nature, particle velocity, particle position, position component, Lorenz transformation equation, total energy etc.

Date: 05/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. T. Shripathi & Dr. K.P. Maheshwari

Dr. T. shripathi professor in physics DAE-CSR DAVV Indore talked on the photoelectric effect, photoemission process, surface sensitivity, bending energy, chemical shift, spin orbital coupling depth analysis etc.

Dr. K. P. Maheshwari Ex- professor in physics DAVV Indore talked on fermi density, particle speed, work done, evolution of physics picture of nature, quantum theory and last deal with question and answer etc.

Date: 07/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. D. Varshney professor in physics, School of Physics DAVV Indore talked about Overviews to high temperature superconductor: - Two probe method, Thermal Resistance, Superconductivity, BCS theory and he delivered the lecture for good communication and good teachers of physics, chemistry and mathematics etc

Dr.T. Shripathi professor in physics DAE-CSR DAVV Indore talked on metal oxide, XPS spectrum of sample, valence band structure, photoelectric effect, photoemission process, surface sensitivity, bending energy, chemical shift, spin orbital coupling depth analysis etc.

Date: 07/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. Abhay Kumar & Dr. G. Mishra

Dr. Abhay Kumar professor in electronics, school of electronic DAVV Indore delivered the lecture on optical detectors, optical communication, optical energy, work function, quantum efficiency, response, internal photo effects and simple PN diode.

Dr. G. Mishra professor in physics DAVV Indore delivered the lecture on undulates magnet, photo-injector, phase and group velocity, planer undulates, Hall effects, harmonic undulates etc.

Date: 08/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. D. Varshney professor in physics, School of Physics DAVV Indore talked about semiconductor materials Overview of high temperature superconductor: - Two probe method, Thermal Resistance, Superconductivity, meander effects, type I and II semiconductor, penetration depth, semiconductor in mercury and polaron etc

Dr. M. Benarji professor in physics DAE-CSR DAVV Indore talked on Polymers, long chain polymer, XRD, semi-crystalline polymers, monatomic element, bond strength, bond energies like atoms, Bond energies between unlike atoms etc.

Date: 08/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. Abhay Kumar

Dr. Abhay Kumar professor in electronics, school of electronic DAVV Indore delivered the lecture on optical detectors like an optical communication, optical energy, work function, quantum efficiency, response, internal photo effects and simple PN diode, layer by layer structure, PIN diode, photomultiplier and SNR, APD, Video signal.

Date: 10/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. A. D. Shaligram professor, School of electronic in Shavitriphule University Pune, talked on fibre optic physical and chemical sensors, its application, physical quantity, classification of sensors, fibre optics system, basic fibre optics sensor system, intrinsic, extrinsic, evanescent, laser Doppler velocimetry etc.

Date: 10/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. Y. Choyal

Dr. Y. Choyal professor in physics , school of physics DAVV Indore took us for visit at UGC-DAE Indore and visit experiment setup like a XRD ,EDXRD, situ XRD ,SEM,TEM, thin film etc. the visit was very important and gave us knowledge of physics.

Date: 11/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. A. D. Shaligram professor in School of electronic in Shavitriphule University Pune talked on optical integrated circuits, optics and photonic .MEMS LED, LASER, passive optics scanners, microscopes, sensors, optical communication, optical bench on chip etc.

Date: 11/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Dr. D. Varshney professor in physics, School of Physics DAVV Indore talked about semiconductor materials Overviews to high temperature superconductor: - Two probe method, Thermal Resistance, Superconductivity, meander effects, type I and II semiconductor ,penetration depth ,semiconductor in mercury and polaron etc

Dr. M. professor in physics DAE-CSR DAVV Indore talked on Polymers, long chain Banerji polymer, XRD, semicrytline of polymers, monatomic element, bond strength, bond energies like atoms, Bond energies between unlike atoms thermal stability ,heat resistance etc.

Date: 14/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. A. Misra and Dr. Y. Choyal was chairperson of the session and six Candidates presnted presentation in topics.

Date: 14/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. Ajay Gupta, Amity Center for spintronic material Amity University (UP) Noida.

He delivered the lecture on spintrons : A Challeges for material science like a spin of electron, moorles law, koomer's law, switching energy, gate delay, electronic information storage , processing, transfer.

Multipayer structure electronic properties, fermi wavelength magnetic properties, GMR multiplayers, X-ray reflectivity etc.

Date: 12/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. A. Mishra and Dr. Y. Choyal was chair person of the seminar and six candidates delivered the presentation as on different topics.

Date: 12/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Dr. Mukul Gupta DAE-CSR IUC Indore talked on the topic thin film, PVD methods, DC/RF ion beam and sputtering, high power impulse magnetron etc.

Dr. N. P. Lalla DAE-CSR IUC Indore talked on the topic X-Ray diffraction, W.L. Rontgen, Max Von Laue, crystalline material, 1st order reflection only, P.P. Ewald and phase problem.

Date: 13/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Dr. Choyal was chairperson of the Seminar session and Six Candidates delivered the presentation on self defferent toipc

Date: 13/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. Mukul Gupta, Scientist in DAE-CRS-IUC-Indore

He Delivered the lecture on thin film, physical vapour deposition thermal evaporaiton and pulsed magnetron sputtering techuiques, RF and DC sputtering and last high power impulse magnetron sputtering.

Resource Person: Dr. N.P. Lalla , Scientist in DAE-CRS-IUC-Indore

He Delivered the lecture on basic principle & application like a microstructure and phase characteristic, TEM, Maquetic lev. Electron diffraction XRD and other experimental details of the on lab discuss.

Date: 16/11/2014

Session I & II

Time 10:30 to 1:30Hrs

Resource Person: Dr. Vasant Sathe UGC –DAE CSR Indore center university campus Khandwa Raod Indore

He delivered the lecture on Raman pectroscopy and microscopy , Scattering, Theory of molecular nibratins and Raman Scattering , elastic, interastic seattering absorption transmited, emission , X-ray, Enerty related to harminic oslillator, selection Raman active, asymmetric IR active and Disperron.

Date: 16/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

Resource Person: Dr. S.N. Kane, professor in Physics, School of Physics DAVV Indore

He delivered the lecture on mossbauer effect and its application, trasion metals compound, in chemically general application, mars mission isomer shift, quadropole RP gitting, magnetic sipping and use of mossbauer general application

Date: 15/11/2014

Session I & II

Time 10:30 to 1:30Hrs

In 1st Session Dr. Y. Choyal conducted an exam in multiple choice question.

In 2nd Session Dr. Ajay Gupta delivered the lecture on gold film on float glass substrate, XRD, Specular Reflectivity, X-ray reflectivity for interfacial discussion, diffusion length, periodicity of the multiplier, order of Bragg's peak, continuous X-ray and bending magnet source total reflection index etc.

Date: 15/11/2014

Session III & IV

Time 02:30 to 5:30Hrs

In session III, IV all the candidate interesting in photograph with Dr. N. Sharma, Dr. A.K. Dutta and Dr. S.N. Kane

Date: 17/11/2014

Session I & II

Time 10:30 to 1:30Hrs

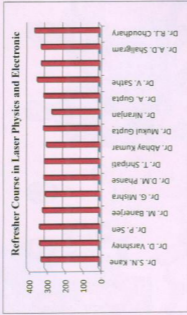
Resource Person: Dr. R.J. Choudhary Scientist UGC -DAE CSR for Schientific Research, Indore

He delivered the lecture on Thin film platfrom for energing technoloizies PVD , thin film depositim technoogy PVD & CVD, pulsed laser deposition, volume position, surface formation, other factors afferting film growth. and aslo deal with spintronics - electron spin application of spintronics etc. and last fill the feadback application form and dispribection of certificate of all candidates

ACADEMIC STAFF COLLEGE
 DEVI AHLIYA VISHWAVIDYALAYA, INDORE
 RESOURCE PERSON EVALUATION FORM
 Refresher Course in Laser Physics and Electronic

From 28/10/2014 to 17/11/2014

1	Dr. S.N. Kane	4.3	327
2	Dr. D. Varshney	4.4	335
3	Dr. P. Sen	4.42	336
4	Dr. M. Banerjee	4.19	319
5	Dr. G. Mishra	3.98	303
6	Dr. D.M. Phanse	4.09	311
7	Dr. T. Shripati	4.06	309
8	Dr. Abhay Kumar	3.9	297
9	Dr. Mukul Gupta	4.13	314
10	Dr. Niranjana	3.51	267
11	Dr. A. Gupta	4.1	312
12	Dr. V. Sathe	4.59	349
13	Dr. K.P. Maheshwari	4.28	326
14	Dr. A.D. Shaligram	4.31	328
15	Dr. R.J. Choudhary	4.78	364



UGC-ASC- DAVV
Refresher Course in Laser Physics and Electronic
(28-10-2014 to 17-11-2014)

S.No.	Name of the Participant	Seminar (30)	Poster Presentation (30)	Test (20)	Punctuality and interaction (20)	Total marks	Grade
1	Mr. Dharmendra Bhalse	24	25	12	20	81	A
2	Mr. Prem Singh Malviya	22	24	13	20	79	A
3	Ms. Shabna Bi Abdul Rehman Khatik	22	24	13	20	79	A
4	Dr. Anita Yadav	24	24	14	20	82	A
5	Dr. Ganpat Ahirwar	25	25	13	20	83	A
6	Mr. Pramod Kumar Malviya	25	25	12	20	82	A
7	Mr. L.S. Chongad	25	25	14	20	84	A
8	Mr. Raju Sapkale	24	24	14	20	82	A
9	Mr. S.K. Ujje	24	24	14	20	82	A
10	Mr. Amit Sahenbrao Biraris	26	28	15	20	89	A
11	Asst. Prof. Bagul B.Y.	25	26	16	20	87	A
12	Dr. Vishal Kuamr	25	24	17	20	86	A
13	Dr. Pramod Kumar	24	24	17	20	85	A
14	Dr. Shirish Bhagwat Patil	25	26	10	20	81	A
15	Dr. Suhas Ramkrishna Patil	25	26	11	20	82	A
16	Dr. Mahendra Kumar Maurya	24	28	16	20	88	A
17	Dr. Manju K. Chattopadhyay	25	28	15	20	88	A
18	Dr. Amit Baburao Patil	25	26	14	20	85	A
19	Mrs. Mandakini N. Chaudhari	23	24	13	20	80	A

Manuel
Director
16/11/14

(Dr. A.K. Dutta)
Course Coordinator

Academic Staff College

DEVI AHILYA VISHWAVIDYALAYA, Indore

Refresher Course in Laser Physics and Electronic Date : 28/10/2014 to 17/11/2014



From L to R : Sitting Mr. Raju Sapkale, Mr. Pramod Kumar Malviya, Dr. S.N.Kane, Dr. A. Datta, Dr. Namrata Sharma (Director), Dr. Manju K. Attopadhayay, Dr. Anita Yadav, Ms. Shabana Khatik, Mrs. Mandakini N. Choudhary, Dr. M.K. Maurya, Dr. Vishal Kumar
Standing - Mr. L.S. Chongad, Dr. G. Ahirwar, Mr. P.S. Malviya, Dr. Pramod Kumar, Dr. Amit Baburo Patil, Mr. S.K. Ujile, Mr. Dharmendra Patil, Dr. Shirish B. Patil, Mr. B.Y. Bagul, Mr. Amit S. Birasis