



Govt Holkar (Model Autonomous) Science
College, Indore (MP)

Innovation Cell

Detailed Report



Innovation Cell

Detailed Report

Innovation cell has been formed at Govt. Holkar (Model Autonomous) Science College, Indore to promote entrepreneurship among formal and non-formal students. The Cell promotes technological innovation, research, and entrepreneurial endeavours. The cell inspires and encourages students to develop a scientific mindset and provides a platform for incubating their creative ideas into commercially viable solutions.

Consequently, the primary objective of this Cell is to generate creative design intuition in diverse domains of sciences using an aesthetic perspective. Innovation Cell will support students and promote young, talented minds by providing them with an ideal platform for demonstrating their abilities, working in teams, and competing in various events. It will also provide a platform for students to excel in their particular area of interest.

Purposes of the Cell

- To encourage students to reveal their latent abilities in various disciplines of sciences.
- To provide a platform for individuals to realise and believe in their own worth and ideas.
- To encourage students to pursue entrepreneurial endeavours.
- To foster an environment where students can discover, develop, apply, and express their abilities, ideas and talents.
- To encourage students to participate in Hackathons, Career events and prototype creation of products, as well as Technical Tutorials.

Advisory Board

Dr. Suresh T. Silawat
Dr. G. D. Gupta
Dr. R. C. Dixit
Dr. Vivek Raich
Dr. Vijendra Rai
Dr. Nagesh Dagaonkar
Dr. M. K. Mishra
Dr. M. K. Dwivedi
Dr. Swagata Gupta
Dr. Pramila Kori
Prof. Amay Pahare
Dr. S. K. Choure
Dr. V. K. Sharma
Dr. Kanta Mulchandani
Dr. Tausheeh Abbasi
Dr. Aparna Gandhe
Dr. Meenal Shrivastava
Dr. Rachna Dubey

Convener

Dr. Netram Kaurav

Physical Sciences

Dr. Nidhi Parmar

Chemical Sciences

Dr. Ashok Barua

Life Sciences

Prof. Sheetal Uikey

Mathematical Sciences

Dr. Naresh Patel

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1. Entrepreneurship and Skill Development Event

S. No.	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Botany
2	Name of the Activity:	One day training program on Mushroom Cultivation
3	Date and Year of the Activity:	15/03/2022
4	Number of Students Participated in the activity:	52
5	Report of the Activity (in 100 words):	<p>One day training program was organised by Department of Botany of Government Holkar Science College, Indore, in which 50 students from Kannod, internship students from Government Holkar Science College, Indore participated along with their teachers.</p> <p>Introductory speech by Dr. Sanjeeda Iqbal First lecture was given by Dr. Smita Dubey. College Principal Dr Suresh T. Silawat addressed the students and said that this training regarding technique of mushroom cultivation is very useful for their future as they can become self-employed and can generate job for themselves and other people also. Second lecture was given by Prof. Sarika Tunde. Third lecture was given by Shri Pawan Sisodiya. Student visited mushroom cultivation unit in botany department and learn to prepare mushroom bags. In last, best wishes was given to students by principal of Holkar Science college, Indore Dr. Suresh T. Silawat for their future.</p>





List of Participants

15/3/2022 Govt. College Kannod
MUSHROOM CULTIVATION TRAINING:-

Name of Student	College	Class	Signature
1) Sauri Tambulkar	Art's & Com. College	B. Com. II year	Sauri
2) Sonali Bhangale	Art's & Com. College	B. S. C II year	Sonali
3) Diksha Patwar	Govt. Arts & Com. College	B. Com. II year	Diksha
4) Shikha Deshpande	Govt. Arts & Com. College	B. Com. I st year	Shikha
5) Teena Ratanur	Govt. Arts and Com. College	B. Com. I st year	Teena
6) Bhavli Kacale	Govt. Arts and Com. College	B. Com. I st year	Bhavli
7) Kavit Prasad	Govt. Arts and Com. College	B. Com. I st year	Kavit
8) Nitya Patil	Govt. Arts and Com. College	B. Com. I st year	Nitya
9) Pradhum Sisodia	Govt. Arts and Com. College	B. Com. I st year	Pradhum
10) Kunal Mangal	Govt. Arts and Com. College	B. Com. I st year	Kunal
11) Rahul Yadav	Govt. Arts and Com. College	B. Com. I st year	Rahul
12) Rishi Verma	Govt. Arts and Com. College	B. Com. I st year	Rishi
13) Piyush Rajaput	Govt. Arts and Com. College	B. Com. I st year	Piyush
14) Sati Ali	Govt. Arts and Com. College	B. Com. I st year	Sati
15) Abhishek Jaiswal	Govt. Arts and Com. College	B. Com. I st year	Abhishek
16) Fahid Ali	Govt. Arts and Com. College	B. Com. I st year	Fahid
17) Renuka Tiwar	Govt. Arts and Com. College	B. Com. I st year	Renuka
18) Biganka Akshaya	Govt. Arts and Com. College	B. Com. I st year	Biganka
19) Deepika Chouhan	Govt. Arts and Com. College	B. Com. I st year	Deepika
20) Manika Sardija	Govt. Arts and Com. College	B. Com. I st year	Manika
21) Fiza Qureshi	Govt. Arts and Com. College	B. Com. I st year	Fiza
22) Mohini Sahu	Govt. Arts and Com. College	B. Com. I st year	Mohini
23) AFRIN KHAN	Govt. Arts and Com. College	B. Com. I st year	Afrin
24) Pooja Patil	Govt. Arts and Com. College	B. Com. I st year	Pooja
25) Manika Bhulani	Govt. Arts and Com. College	B. Com. I st year	Manika
26) Anjali Joshi	Govt. Arts and Com. College	B. Com. I st year	Anjali
27) Nikita Rana	Govt. Arts and Com. College	B. Com. I st year	Nikita
28) Ratni Kakadiya	Govt. Arts and Com. College	B. Com. I st year	Ratni
29) Ramu Sahu	Govt. Arts and Com. College	B. Com. I st year	Ramu
30) Arati Kadole	Govt. Arts and Com. College	B. Com. I st year	Arati
31) Bhumi Yadav	Govt. Arts and Com. College	B. Com. I st year	Bhumi
32) Karishma Qureshi	Govt. Arts and Com. College	B. Com. I st year	Karishma
33) Shiyani Shewar	Govt. Arts and Com. College	B. Com. I st year	Shiyani
34) Anjali Panchali	Govt. Arts and Com. College	B. Com. I st year	Anjali
35) Pooja Manik	Govt. Arts and Com. College	B. Com. I st year	Pooja

Name of Student	College	Class	Signature
36 Radhika Shinde	Govt. College Mumbai	BSC I year	Radhika
37 Shrivani Shirsat	Govt. College Mumbai	BSC I year	Shrivani
38 Deepika Thakre	Govt. College Mumbai	BSC I year	Deepika
39 Loreb Khan	Govt. Ahmednagar	B. Com 1st year	Loreb
40 Fazan Ali	Govt. Ahmednagar	B. Com 1st year	Fazan
41 Deepak Mandal	Govt. Ahmednagar	B. Com 1st year	Deepak
42 Sahen Khan	Govt. Ahmednagar	B. Com 1st year	Sahen
43 Parashram Chaudhari	Govt. Ahmednagar	B. Com 1st year	Parashram
44 Jay Chaudhari	Govt. Ahmednagar	B. Com 1st year	Jay
45 Pradhum Sisodia	Govt. Ahmednagar	B. Com 1st year	Pradhum
46 Pankaj Puri	Govt. Ahmednagar	B. Com 1st year	Pankaj
47 Rahul Yadav	Govt. Ahmednagar	B. Com 1st year	Rahul
48 Rajat Kadam	Govt. Ahmednagar	B. Com 1st year	Rajat
49 Ajay Jadhav	Govt. Ahmednagar	B. Com 1st year	Ajay
50 Farukh Khan	Govt. Ahmednagar	B. Com 1st year	Farukh
51 Feroz Khan	Govt. Ahmednagar	B. Com 1st year	Feroz
52 Abbas Ali	Govt. Ahmednagar	B. Com 1st year	Abbas
53			

2. Entrepreneurs story: Innovation and Incubation Cell

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Innovation and Incubation Cell
2	Name of the Activity:	1). Be Your Own Boss 2). My Story
3	Name of the Scheme:	Regular Activity
4	Date and Year of the Activity:	28/11/2022 to 29/11/2022
5	Number of Students Participated in the activity:	119
6	Report of the Activity (in 100 words):	‘Innovation & incubation cell’ of Govt. Holkar Science College, Indore organize a two day’s programme on an Entrepreneurship motivational talk on 28 Nov 2022 and 29 Nov 2022 under the aegis of Institution’s Innovation council (Ministry of HRD Initiative), ARIIA Tal Ranking of Institutions on Innovation Achievement, YUKTI 2.0 Innovation Repository. Dr. Suresh T. Silawat, Principal Govt. Holkar Science College, Indore has presided the programme. Dr. Nidhi Parmar, Member of innovation and incubation cell Govt. Holkar Science College has conducted the programme. On 1 st day Dr. Ashok Barua introduce the resource person, Prof. Amiy Pahare, State Coordinator MP-AISHE, MoE who has given his talk on “Be Your own BOSS”. He introduce Entrepreneurship

		<p>and characteristics of a successfully Entrepreneur. He encourage the students by giving examples of successfully Entrepreneur like Bill Gates, Narayan Murthy, Kiran Shaw Mazumdar, Falguni Nayar, Peyush Bansal etc. Vote of thanks was given by Dr. Ashok Barua.</p> <p>2nd Day Dr.Amiya Pahare conducted the programme. He introduce the speaker for the second day Mr. Anubhav Dubey, Founder- CHAI SUTTA BAR. Mr. Anubhav Motivate students by his own story. He started his Journey from a small chai shop and after so many ups and downs in his life he has expanded his business to international level. 170 students attended the programme and interact the resource person. Vote of thanks was given by Dr. Netram Kaurav.</p>
7	Photo of Activity:	





8. Poster of Activity

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

INNOVATION & INCUBATION CELL
"An Entrepreneurship Motivational Talk"

DAY-1: BE YOUR OWN BOSS
Resource Person: **Prof. Amiya Pahare**, State Coordinator, M.P.- AISHE (MoE)

DAY 2 – MY STORY
Resource Person: **Mr. Anubhav Dubey**, Founder - CHAI SUTTA BAR

Organising Committee:
Convener : Dr. Netram Kaurav
Co-convener : Dr. Ashok Barua
Secretaries : Dr. Naresh Patel
Dr. Nidhi Parmar
Prof. Sheetal Uikhey

Advisory Committee:
Dr. G.D. Gupta
Dr. R. C. Dixit
Dr. Vivek Raich
Dr. Nagesh Dagaonkar
Dr. M. K. Dwivedi
Dr. Swagata Gupta
Dr. Pramila Kori

Patron :
Dr. Suresh T. Silawat
Principal

Date : 28.11.2022 & 29.11.2022
Time : 12.30 pm Onwards
Venue : Yashwant Hall

GOVT. HOLKAR (MODEL & AUTONOMOUS) SCIENCE COLLEGE, INDORE

INNOVATION & INCUBATION CELL
28.11.2022 & 29.11.2022
"An Entrepreneurship Motivational Talk"

Resource person
Prof. Amiya Pahare
State Coordinator,
M.P.-AISHE, MoE

Venue : Yashwant Hall
12.30 pm onwards

Day-1: Be your own BOSS

Resource person
Mr. Anubhav Dubey
Founder-CHAI SUTTA BAR

Day 2 – My STORY

ORGANISING COMMITTEE:
Convener: Dr. Netram Kaurav
Co-convener: Dr. Ashok Barua
Secretaries: Dr. Naresh Patel,
Dr. Nidhi Parmar,
Prof. Sheetal Uikhey

ADVISORY COMMITTEE:
Dr. G.D. Gupta, Dr. R.C. Dixit, Dr. V. Raich,
Dr. N. Dagaonkar, Dr. M.K.Dwivedi,
Dr. Swagata Gupta, Dr. Pramila Kori.

Patron
Dr. Suresh T Silawat
Principal

Government Holkar (Model Autonomous) Science College, Indore (M.P.), India		
Entrepreneurship Motivational Talk: MR. ANUBHAV DUBEY		
S.No.	Name of the participants	Mobile No
1	Bhagwan Suman	09630104104
2	Rajkaran Singh Tomar	7828644880
3	Boss	7389779614
4	Sumit astaya	7909496351
5	Rashmi Sahu	9301616985
6	Anshul kala	8959525995
7	Abhijeet verma	7447083233
8	Keshav meena	9399186728
9	Manas nema	9589027677
10	Diksha ninama	7999786904
11	Shivam verma	9109058110
12	Atul Jat	9479412036
13	Aashish	9977981417
14	Abhishek jarariya	9301537190
15	Satyam Pandey	6264078927
16	Abhilasha Dwivedi	8305158572
17	Sourav Raghuwanshi	7049760036
18	Ashish Jat	7999132526
19	Hariom Yadav	7974476291
20	Priyanka dahare	7247616766
21	Hrishabh Meena	7987667289
22	Sonu prajapati	7440747368
23	Anshika vilekar	9770677500
24	Himanshu sankediya	6268566036
25	Rohit gawliya	7024487194
26	RISHABH SURANA	8824239918
27	Lalit Prajapat	6260115497
28	VISHAL	6268344608
29	Laxman singh	7828872009



30	Anshul yadav	7024452234
31	Devansh Gupta	9329131097
32	Aniruddh vishwakarma	9.18602E+11
33	Atirekaartiya	9770928293
34	Girjesh patidar	8517051350
35	Kushal dawar	9516643196
36	Gyanesh Dawande	6264886485
37	Laxmi Soni	7987289277
38	Deepsagar Gour	7241171124
39	Monika khandagre	7067696811
40	Himanshu Baraskar	9340464598
41	Vishal jat	7489457588
42	Pravin	9340465663
43	Krishna verma	8269830483
44	Samay jain	9098166261
45	Samiksha Rajput	9644636357
46	Balkrishan sisodiya	7748866410
47	Ashutosh Meena	7581947704
48	Preetam	8889531707
49	Ravi Dudwe	8815668131
50	Shubham alone	7489455072
51	Varun kahar	7869848843
52	Jatin mujalda	8269457179
53	Sonu prajapati	7440747368
54	Nishant panday	7617285373
55	Puneet Kumar Dahayat	9098989679
56	Anubhav Tiwari	9893586961
57	Ritika Yadav	6266844438
58	Pranjal Rajput	7415361333
59	Aaditya Rohilla	7470502182
60	Abhishek gurjar	7489724458
61	Chhotu ahirwar	8818852512
62	Anushka Gupta	7470955022
63	Ayush patel	9770589864
64	Naveen Kumar Prajapati	9691021830

65	Aman Chandel	6261229798
66	Dhananjay Singh	9993594058
67	Sakshi Singh	8305433432
68	Kunal verma	8770550571
69	Rajveer Singh Solanki	7089858428
70	Rakesh Kumar Chaudhri	8305989254
71	Jyoti patel	9977075153
72	Gulshan Dhakad	7049268507
73	Garima mourya	9111924404
74	Himanshu sankediya	6268566036
75	ANSHIKA KUSHWAHA	9109809719
76	KUSH KUMAR	6265041220
77	Muskan mansoori	9179358313
78	Abhishek Singhal	7880213737
79	Harshit	7089155805
80	Deepika Baghel	9131353190
81	Abhishek Riyad	7692096772
82	Chandrashekhar Ghosh	8959281584
83	Bharat Sharan Singh	7000220284
84	Swati Kushwaha	9589041546
85	Shailendra khande	9131107575
86	Anjali Padmor	8319039060
87	Mohit rana	6264035569
88	Sharad Rahangdale	7828155740
89	Shubham Prajapati	7489511237
90	Subhadra ghosh	8305754298
91	Anshika Singh Parihar	9301762220
92	Sulabh Jain	9144816095
93	Anshika Baghel	7879926462
94	Kamlesh Kanesh	9993456958
95	Abhishek chakravarti	8319422412
96	Ankit bagari	7581898822
97	Arzoo singh	6266064013
98	Muskan dubey	7869511894
99	Bhagwan Das Kushwaha	9691702195

100	Pawan ahirwar	9617983320
101	Yash Rathore	8839326386
102	Ayushi pandey	6265146607
103	srashti beliya	9424013425
104	Yogesh Meena	7999929309
105	Darshan Gole	9755513599
106	Afzal patel	7067878678
107	HIMANSHI DAHARE	9302494429
108	Mayank Tiwari	7440579138
109	Manukant Jain	7089499819
110	Virendra chouhan	7869046620
111	Suraj badole	9301807226
112	Rohit barela	8253000210
113	Rajneesh kori	8815568915
114	Anshul Kumar Gupta	7999827218
115	Tanaykasera	9303210510
116	Surendra Dudwe	7999789584
117	Nitin sitole	7354225379
118	Manoj Amliyar	6265934663
119	Shivam Gautam	07415243429

3. SKILL DEVELOPMENT PROGRAM

S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Department of Electronics/Physics
2	Name of the Activity:	Workshop on Innovation and Consultancy for Sustainable Development
3	Name of the Scheme:	MPHEQ
4	Date and Year of the Activity:	29/08/2022
5	Number of Students Participated in the activity:	398
6	Report of the Activity (in 100 words):	<p>Innovations and consultancy are the key for the Sustainable Development of society. In particular, innovations are the blueprint to achieve a better and more sustainable future for all. These innovations address the global challenges we face for mankind, green earth and energy, climate change, environmental degradation, etc. Therefore, the present workshop is intended to focus on some of these points, will provide a better prospective to the faculties and students for critical thinking to innovate, take up mentoring assignments or consultancies in near future.</p> <p>Furthermore, the UN's sustainable goal 07 is of particular interest as it indicates the affordable and clean energy for all of us. There is a need of considerable and sincere efforts for not only innovations in this field but also for public awareness at large.</p> <p>Particularly, Dr. Chetan Singh Solanki, a professor from IIT Bombay, Brand Ambassador of Solar Energy for Govt. of MP, and Founder, Energy Swaraj Foundation, has pledged not to go home until 2030</p>

		<p>and live & travel in the solar bus. He is a alumnus of Holkar Sci College, Indore, We have requested him to address for keynote in event as he is traveling all around the India so could not make his physical present in the event. However, he has shared his blessing for event via a video message.</p> <p>May I request to play the video.</p>
7	<p>Photo of Activity:</p>  	



8

Paper News

होलकर विज्ञान महा में इनोवेशन विशय पर कार्यशाला का आयोजन



इन्दौर। शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर के इनोवेशन सेल द्वारा एक दिवसीय कार्यशाला का आयोजन 'इनोवेशन एवं कंसलटेंसी विषय' महाविद्यालय के यशवंत हॉल में किया गया। कार्यक्रम के मुख्य अतिथि डॉ. आर.के. सक्सेना, निदेशक, एस.जी.एस.आई.टी.एस. रहे। कार्यक्रम की अध्यक्षता महाविद्यालय के प्राचार्य डॉ. सुरेश टी. सिलावट ने की। प्राचार्य द्वारा इस कार्यशाला को अत्यंत महत्वपूर्ण बताया गया जिससे कि महाविद्यालय में प्रारंभ होने वाले इनोवेशन सेंटर का क्रियान्वयन किया जा सकेगा। मुख्य अतिथि डॉ. आर.के. सक्सेना ने अपने उद्बोधन में फेकल्टी किस प्रकार कंसलटेंसी के माध्यम से विभिन्न इनोवेशन को बढ़ावा दिया जा सकता है। कार्यशाला में 05 अन्य विषय विशेषज्ञों द्वारा कार्यशाला को संबोधित किया तथा प्रो. चेतन सिंह सोलंकी, जो कि सोलरमेन के रूप में जाने जाते हैं। कार्यशाला में वीडियो कॉन्फ्रेंसिंग के माध्यम से सम्मिलित हुए और उनके द्वारा की जा रही एनर्जी स्वराज यात्रा के बारे में विस्तृत रूप से बताया गया। डॉ. संजीव पाटनी, सीईओ, अटल इनोवेशन सेंटर, पेस्टीज़ ने स्टार्टअप एवं इंडस्ट्री 4.0 पर अपने विचार व्यक्त किए। कार्यक्रम का संचालन डॉ. अमिय पहारे, प्राध्यापक ने किया तथा कार्यक्रम के संयोजक डॉ. नेतराम कौरव, विभागाध्यक्ष रहे। कार्यक्रम में उप-प्राचार्य डॉ. जी.डी. गुप्ता एवं समस्त विभागाध्यक्ष तथा 250 प्रतिभागी सम्मिलित हुए।

शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर में इनोवेशन विषय पर कार्यशाला का आयोजन



विनय उजाला

इन्दौर, निप्र। शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर के इनोवेशन सेल द्वारा एक दिवसीय कार्यशाला का आयोजन “इनोवेशन एवं कंसलटेंसी विषय” पर महाविद्यालय के यशवंत हॉल में किया गया। कार्यक्रम के मुख्य अतिथि डॉ. आर.के. सक्सेना, निदेशक एस.जी.एस.आई.टी.एस. रहे। कार्यक्रम की अध्यक्षता महाविद्यालय के प्राचार्य डॉ. सुरेश टी. सिलावट ने की। प्राचार्य द्वारा इस कार्यशाला को अत्यंत महत्वपूर्ण बताया गया जिससे कि महाविद्यालय में प्रारंभ होने वाले इनक्यूबेशन सेंटर का क्रियान्वयन किया जा सकेगा। मुख्य अतिथि डॉ. आर.के. सक्सेना ने अपने उद्बोधन में फेकल्टी किस प्रकार

कंसलटेंसी के माध्यम से विभिन्न इनोवेशन को बढ़ावा दिया जा सकता है।

कार्यशाला में 05 अन्य विषय विशेषज्ञों द्वारा कार्यशाला को संबोधित किया तथा प्रो. चेतन सिंग सोलंकी, जो कि सोलरमेन के रूप में जाने जाते हैं। कार्यशाला में वीडियो कॉन्फ्रेंसिंग के माध्यम से सम्मिलित हुए और उनके द्वारा की जा रही एनर्जी स्वराज यात्रा के बारे में विस्तृत रूप से बताया गया। डॉ. संजीव पाटनी, सीईओ, अटल इनक्यूबेशन सेंटर, प्रेस्टीज संस्थान ने स्टार्टअप एवं इंडस्ट्रीज 4.0 पर अपने विचार व्यक्त किए। कार्यक्रम का संचालन डॉ. अमिय पहारे, ने किया तथा कार्यक्रम के संयोजक डॉ. नेतराम कौरव रहे। कार्यक्रम में डॉ. जी.डी. गुप्ता एवं समस्त विभागाध्यक्ष तथा 250 प्रतिभागी सम्मिलित हुए।

Poster of Activity



**Government Holkar (Model, Autonomous)
Science College, Indore (M.P.), India**

**Workshop on
Innovation and Consultancy for
Sustainable Development
August 29, 2022**



Chief Patron:

Dr. Suresh T. Silawat,
Additional Director,
Indore Division
Principal, Govt. Holkar [Model,
Autonomous] Science College,
Indore (MP)-INDIA

Dr. G. D. Gupta

Dr. R. C. Dixit

Vice-Principal & HOD

Administrative Officer

Dr. Bijendra Rai

Dr. Nagesh Dagaonkar

NAAC Coordinator

IQAC Coordinator

ORGANIZERS

Dr. Netram Kaurav; Convener

Dr. Ashok Barua

Dr. Naresh Patel

Dr. Nidhi Parmar

Prof. Sheetal Uikey

Organizing Secretaries

**INNOVATION CELL
PHYSICAL SCIENCES, CHEMICAL SCIENCES,
MATHEMATICAL SCIENCES, LIFE SCIENCES**

9.



**Government Holkar (Model, Autonomous)
Science College, Indore (M.P.), India**

**Workshop on
Innovation and Consultancy for
Sustainable Development
August 29, 2022**



**Invitation
Inaugural**



TIME: 11.00



Chief Guest
Dr. R. K. Saxena,
Director

SHRI G. S. INSTITUTE OF
TECHNOLOGY & SCIENCE, INDORE

Dr. Suresh T. Silawat,
Additional Director,
Indore Division
Principal, Govt. Holkar [Model,
Autonomous] Science College,
Indore (MP)-INDIA



ORGANIZERS

INNOVATION CELL
PHYSICAL SCIENCES, CHEMICAL SCIENCES,
MATHEMATICAL SCIENCES, LIFE SCIENCES



**Government Holkar (Model, Autonomous)
Science College, Indore (M.P.), India**

**Workshop on
Innovation and Consultancy for Sustainable
Development
August 29, 2022**

KEYNOTE VIDEO MESSAGE

Prof. Chetan Singh Solanki

TIME:11.10

Professor IIT Bombay,
Brand Ambassador of
Solar Energy for Govt. of MP
Founder, Energy Swaraj Foundation



SPEAKERS



Mr. Abhishek Bardia

Executive Head of MP Startup Centre
Govt of Madhya Pradesh

**Innovation is a necessity for making
India USD 5 trillion economy**

**LIVE
MESSAGE
TIME:11.25**

TIME:11.30

Dr. Sanjeev Patni
CEO, AIC-Prestige, Indore

**Best Practice and Opportunities for
Raising a Startup**



Dr. Bodhisatwa Mazumdar

Assistant Professor
Comp. Science and Engineering,
Indian Institute of Technology Indore

**Hardware Security Issues in Real World
Applications**

TIME:12.15

TIME:13.00

Mr. Mudit Thakkar

Founder & CEO, Youngovator
Incubated at CIIE.CO
IIM Ahmedabad Incubation Centre

Showcase of Innovation : Youngovator



Dr. K.V.Ramana Rao

Principal Scientist, ICAR-Central Institute of
Agricultural Engineering, Bhopal

**Modern Crop Cultivation Techniques for
Sustainable Agriculture Production**

TIME:14.30

Advisory committee at a Glance

NAAC/IQAC Committee

Dr. Bijendra Rai
Dr. Nagesh Dagaonkar
Dr. Swagata Gupta
Dr. Pramila Kori
Dr. M. K. Mishra
Dr. Vivek Raich
Dr. S. K. Chaure
Dr. V. K. Sharma
Prof. Amiya Pahare
Dr. Kanta Mulchandani
Dr. Tausheeh Abbasi
Dr. Aparna Gandhi
Dr. Meenal Shrivastava
Dr. Netram Kaurav

HOD's/NSS/NCC/Hostel Representatives

Dr. Angurbala Bafna
Dr. Kiran Billore
Dr. Sanjay Vyas
Dr. Anamika Jain
Dr. P. K. Sharma
Dr. Netram Kaurav
Dr. Indu Tiwari
Dr. C. S. Shrivastava
Dr. Geetha Sarasan
Dr. Vishnu Gadgil
Dr. Manorama Agrawal
Prof. Vinod Rathore
Dr. M. K. Mishra
Dr. Priti Chaturvedi
Dr. Seemavati Sisodiya
Dr. Ravindra Garg
Dr. M. K. Dwivedi
Dr. G. D. Gupta
Dr. Uannati Bhayare
Dr. Anupam Sharma
Dr. Rekha Sharma
Shri Manoj Gobrele

Possible Participation at a Glance

Faculty Representation

All faculty members of college, nominees from outside

Alumni Students Representation

Many students have kind consented for event

Students Representations

Nominees from various department

UG-02, PG-I SEM-02, PG-III SEM- 02

All research Scholars/Project Fellows/JRF

MOU Representation

Sai Electronics Techritzy, Pvt. Ltd

Startups Representation



NGO's Representation



Industry Representation

MINE INSTRUMENTS PVT. LTD.



Support at a Glance

Technical Staff Department of Electronics

Non Teaching Staff All Administrative Office Staff

Grant Acknowledgement



Madhya Pradesh Higher Education Quality Improvement Project
Department Of Higher Education, Madhya Pradesh

दिनांक 23.08.2022

प्रति,

प्राचार्य,
शासकीय होलकर विज्ञान महाविद्यालय,
इन्दौर

विषय – नैक कार्टेरिया 03 के अंतर्गत इनोवेशन एण्ड कंसलटेंसी विषय पर
प्राध्यापक/शोध विद्यार्थियों हेतु कार्यशाला आयोजन बाबद्।

महोदय,

उपरोक्त विषय में निवेदन है कि नैक कार्टेरिया 03 के अंतर्गत इनोवेशन एण्ड कंसलटेंसी इंडीकेटर के तहत पूर्व में महाविद्यालय द्वारा गतिविधियों आयोजित नहीं कराई जाने से इस सत्र में महाविद्यालय के प्राध्यापक/शोध विद्यार्थियों के लिए इनोवेशन एण्ड कंसलटेंसी विषय पर एक दिवसीय कार्यशाला का आयोजन कराया जाना आवश्यक है। इस कार्यशाला का आयोजन इनोवेशन सेल (फिजिकल साईंस, केमिकल साईंसेस, लाईफ साईंसेस एवं मेथमेटिकल साईंसेस) के तहत किया जाना है। कार्यशाला के आयोजन के लिए संभावित व्यय निम्नानुसार है:-

क्रं	विवरण	अनुमानित व्यय राशि
1	रिसोर्स पर्सन (मानदेय/टी.ए.डी.ए)	20,000 /-
2	बैनर एवं स्वागत पर व्यय	10,000 /-
3	स्वल्पाहार एवं भोजन	60,000 /-
4	अन्य व्यय	10,000 /-
	कुल योग	1,00,000 /-

अतः विगत समय में नैक निरीक्षण के लिए इस एक दिवसीय कार्यशाला आयोजित करवाने की अनुमति प्रदान करने का कष्ट करें।

(डॉ. निधि परमार) (डॉ. अशोक बरुआ) (प्रो. शीतल उईके) (डॉ. नरेश पटेल)
फिजिकल साईंस केमिकल साईंसेस लाईफ साईंसेस मेथमेटिकल साईंसेस

(डॉ. नेतराम कौरव)
नैक कार्टेरिया 03

(डॉ. नागेश डगांवकर)
आई.क्यू.ए.सी. प्रभारी

NO - MOD
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर
24/08/22
W3B
Academic
Excellence

स्टेट प्रोजेक्ट डायरेक्टोरेट, राष्ट्रीय उच्चतर शिक्षा अभियान (रुसा)
उच्च शिक्षा विभाग, मध्यप्रदेश

(192, एवीएन टावर, भोजनाशन पलोर, जोन-1, एम.पी. नगर, भोपाल, फोन नं. 0755-2761320)
ई-मेल : rusamphe@gmail.com

क्रमांक
प्रति,

/ रुसा / वि.बै.परि / 2022

भोपाल, दिनांक

/ 2022

प्राचार्य,

शासकीय महाविद्यालय (संलग्न सूची अनुसार 196 महाविद्यालय)
मध्यप्रदेश।

विषय- विश्व बैंक सहायित परियोजना मध्यप्रदेश उच्च शिक्षा गुणवत्ता उन्नयन परियोजना (MPHEQIP)
अंतर्गत एकेडमिक एक्सीलेंस हेतु 196 महाविद्यालयों को राशि के आवंटन बाबत।

विषयांतर्गत विश्व बैंक सहायित परियोजना मध्यप्रदेश उच्च शिक्षा गुणवत्ता उन्नयन परियोजना (MPHEQIP) अंतर्गत पत्र क्रमांक 1903/वि.बै.परि/2022 दिनांक 14.07.2022 द्वारा विश्व बैंक परियोजना अंतर्गत चयनित महाविद्यालयों में से श्रेणी वार प्रदेश के संलग्न सूची अनुसार 196 महाविद्यालयों को उनके नाम के आगे दर्शित निम्नानुसार बजट शीर्ष से वित्तीय वर्ष 2022-23 में एकेडमिक एक्सीलेंस प्रयोजन हेतु (बीसीओ टू डीडीओ) राशि का आवंटन किया जाता है।

Sno	Budget Head	आवंटित राशि रु. में	महाविद्यालयों की संख्या	इस मद में राशि का उपयोग एकेडमिक एक्सीलेंस प्रयोजन हेतु
1	44-2202-03-103-7464-1201-51-000	4,59,00,000.00	100 कॉलेज	एकेडमिक एक्सीलेंस प्रयोजन हेतु
2	44-2202-03-103-7464-1202-51-000	1,41,00,000.00	41 कॉलेज	
3	44-2202-03-103-7464-1203-51-000	1,71,00,000.00	55 कॉलेज	
Total		7,71,00,000.00		

कुल राशि रु. 7,71,00,000.00 (राशि रुपये सात करोड़ इकहत्तर लाख रु. मात्र)

- राशि का उपयोग उसी मद के लिए किया जावे जिस हेतु आवंटन जारी किया जा रहा है।
- उक्त संबंध में शासन द्वारा जारी नियमों एवं निर्देशों का पालन सुनिश्चित करते हुए सक्षम स्वीकृति प्राप्त करते हुए राशि का उपयोग किया जावे। राशि व्यय/उपयोग के संबंध में इस कार्यालय द्वारा पृथक से निर्देश जारी किया जावेगा।
 - उक्त राशि का व्यय वर्तमान वित्तीय वर्ष 2022-23 में ही किया जाना है। किसी भी मद में अनावश्यक व्यय नहीं किया जावे। राशि उपयोग का नियमानुसार लेखा संधारित किया जावे।
 - किसी भी स्थिति में आवंटित राशि से अधिक व्यय नहीं किया जा सकता। राशि व्यय की जानकारी प्रत्येक एवं उपयोगिता प्रमाण पत्र माह के अंत की स्थिति में आगामी माह के 05 तारीख तक अनिवार्य रूप से ओएसडी, विश्व बैंक को भेजने का कष्ट करें।
 - किसी भी प्रकार के अनियमित व्यय/भुगतान की जिम्मेदारी संबंधित प्राचार्य की होगी।

क्रमांक / वि.बै.परि/2022
प्रतिलिपि-

(दीपक सिंह, आई.ए.एस.)
आयुक्त/परियोजना संचालक
उच्च शिक्षा विभाग, मध्यप्रदेश
भोपाल, दिनांक 08/08/2022

- निज सहायक, प्रमुख सचिव, मध्यप्रदेश शासन उच्च शिक्षा विभाग मंत्रालय भोपाल।
- निज सहायक, आयुक्त, उच्च शिक्षा, मध्यप्रदेश।

MPHEQIP - 7464 Budget Allotment for Academic Excellence					
S.no	Code	District	College Name	Amount Proposed For FY	Budget head
1	2301	Indore	Govt. Holkar Science College, Indore	600,000	44-2202-03-103-7464-1201-51-000
2	3302	Jabalpur	Govt Mahakaushal Arts and Commerce College Jabalpur	600,000	44-2202-03-103-7464-1201-51-000
3	305	Gwalior	Govt Kamlaraje Girls P G College Gwalior	600,000	44-2202-03-103-7464-1201-51-000
4	1002	Sagar	Govt PG girls college Sagar	600,000	44-2202-03-103-7464-1201-51-000
5	2303	Indore	Mata Jijabai Girls PG college, Indore	600,000	44-2202-03-103-7464-1201-51-000
6	2803	Bhopal	Govt Sarojini Naidu Girls P G College Bhopal	600,000	44-2202-03-103-7464-1201-51-000
7	601	Guna	Govt P G College Guna	600,000	44-2202-03-103-7464-1201-51-000
8	1001	Sagar	Govt. Arts & Commerce College Sagar	600,000	44-2202-03-103-7464-1201-51-000
9	2304	Indore	Govt. M.L.B. PG Girls College Indore	600,000	44-2202-03-103-7464-1201-51-000
10	2805	Bhopal	Govt P G College, BHEL	300,000	44-2202-03-103-7464-1201-51-000
11	304	Gwalior	MLB Excellence college Gwalior	600,000	44-2202-03-103-7464-1201-51-000
12	2801	Bhopal	Govt Adarsh Motilal Vigyan Mahavidyalaya Bhopal	600,000	44-2202-03-103-7464-1201-51-000
13	303	Gwalior	Govt Srimant Madhavrao Sindhia Science College Gwalior	600,000	44-2202-03-103-7464-1201-51-000
14	3301	Jabalpur	Govt. Science College, Jabalpur	600,000	44-2202-03-103-7464-1201-51-000
15	2302	Indore	Gov Arts and Commerce College Indore	600,000	44-2202-03-103-7464-1201-51-000
16	3303	Jabalpur	Govt. M H College Jabalpur	600,000	44-2202-03-103-7464-1201-51-000
17	1201	Satna	Govt PG College, Satna	600,000	44-2202-03-103-7464-1201-51-000
18	2806	Bhopal	Geetanjali Govt. Girls PG College, Bhopal	600,000	44-2202-03-103-7464-1201-51-000
19	2812	Bhopal	Institute for excellence Bhopal	600,000	44-2202-03-103-7464-1201-51-000
20	1302	Rewa	Govt Thakur Ranmat Singh College Rewa	600,000	44-2202-03-103-7464-1201-51-000
21	2313	Indore	Govt Arts and Commerce College, Rau	600,000	44-2202-03-103-7464-1201-51-000
22	3601	Chhindw	Govt. PG College, chhindwara	600,000	44-2202-03-103-7464-1201-51-000
23	1812	Ujjain	Govt Madhav Science College Ujjain	600,000	44-2202-03-103-7464-1201-51-000
24	2802	Bhopal	Govt. MLB Girls PG College, Bhopal	600,000	44-2202-03-103-7464-1201-51-000
25	1303	Rewa	Govt Girls P G College Rewa	600,000	44-2202-03-103-7464-1201-51-000
26	1601	Mandsa	Rajiv Gandhi Govt. P.G. College Mandsaur	600,000	44-2202-03-103-7464-1201-51-000
27	3701	Seoni	Govt P G College, Seoni	600,000	44-2202-03-103-7464-1201-51-000
28	1811	Ujjain	Govt Madhav Arts and Commerce College Ujjain	600,000	44-2202-03-103-7464-1201-51-000
29	2701	Vidisha	Govt Girls College Vidisha	600,000	44-2202-03-103-7464-1201-51-000
30	2807	Bhopal	Govt. Benazir College, Bhopal	600,000	44-2202-03-103-7464-1201-51-000

कार्यालय प्राचार्य, शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर

दिनांक :- 25.08.2022

आवश्यक सूचना

महाविद्यालय के समस्त विभागाध्यक्षों को सूचित किया जाता है कि इनोवेशन सेल के द्वारा दिनांक 29.08.2022 को प्रातः 10.30 बजे से Workshop on innovation and consultancy for sustanble development विषय पर आयोजित होने वाले कार्यक्रम के लिए आपके विभाग से निम्नानुसार प्राध्यापक/अतिथि विद्वान/विद्यार्थियों को नामांकित कर दिनांक 27.08.2022 दोपहर 01.00 बजे तक उपलब्ध कराने का कष्ट करें -

1. काईटेरिया 03 प्रभारी।
2. रिसर्च गार्ड।
3. इनोवेशन सेल के सदस्य।
4. रिसर्च स्कालर्स (अधिकतम 04)।
5. स्नातक विद्यार्थी 02।
6. स्नातकोत्तर - प्रथम सेमेस्टर 02।
7. स्नातकोत्तर - तृतीय सेमेस्टर 02।

प्रारूप निम्नानुसार है -

क्रं	नाम	पद	मोबाईल नंबर

नोट - जो विद्यार्थी इनोवेशन/रिसर्च में रुचि रखते हों, केवल उन्हीं विद्यार्थियों को नामांकित करें। प्रारूप निम्नानुसार है -

(डॉ. नेतराम कौरव)
संयोजक

(डॉ. सुरेश टी. सिलावट)
प्रामाणिक

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विज्ञान महाविद्यालय, इन्दौर

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4. SKILL DEVELOPMENT PROGRAM

S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Department Electronics
2	Name of the Activity:	Online Workshop on IPR- Patents, designs & Copyrights
3	Name of the Scheme:	Online Workshop
4	Date and Year of the Activity:	28/10/2021 to 28/10/2021
5	Number of Students Participated in the activity:	324
6	Report of the Activity (in 100 words):	On 28th October 2021, from 12:00 pm to 1:00 pm an online awareness workshop was organized by the Electronics Department at Government Holkar Science College Indore on the topic of Intellectual Property Rights (IPR) - Patents, Designs and Copyrights. Mrs. Pooja Vishal Maulikar ma'am, Examiner of Patents and Designs was the keynote speaker of the workshop who gave a brief overview of the various kinds of Intellectual Properties along with practical examples. The speaker also explained the modes and methods of filing various applications along with the fee for the same. The presentation by the speaker was followed by a Question-and-Answer session. It was a very informative session that introduced the students to the world of IPR and its benefits in which about 146 students and faculty members of the Electronics Department participated. The workshop was commenced by our Vice-Principal and HOD of Physics Department Dr. G.D. Gupta and concluded by our HOD of Electronics Department Dr. Netram Kaurav.

7	Photo of Activity:	
		

**GOVERNMENT HOLKAR (MODEL,
AUTONOMOUS) SCIENCE COLLEGE,
A. B. ROAD, INDORE (MP)**




**ONLINE WORKSHOP ON
IPR-PATENTS, DESIGNS & COPYRIGHTS**

Organized By
DEPARTMENT OF ELECTRONICS


Date: 28 October 2021 Time: 12 to 1 PM

In Association With
**RAJIV GANDHI NATIONAL INSTITUTE OF
INTELLECTUAL PROPERTY MANAGEMENT,
NAGPUR**



Chief Patron
Dr. Suresh T. Silawat,
Additional Director, Indore Division
Principal, Govt. Holkar [Model, Autonomous]
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Keynote Speakers
Mrs. Pooja Vishal Maulikar
Examiner Of Patents & Designs,
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7	Mr. Abhishek Jogi	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
8	Ms Rashi Vishwakarma	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
9	Mr. Satyam Turkar	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
10	Ms Kavita Mandre	Government PG College Barnagar, Ujjain (M.P.)
11	Dr. Dr. Rajnish Jain	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
12	Mr. Rahul Mewada	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
13	Dr. Dr.Pushpa Makwane	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
14	Ms Shrishti Agrawal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
15	Ms Ritika Joshi	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
16	Mr. Gourav Sonare	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
17	Ms Neha Verna	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
18	Ms Ritika Joshi	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
19	Prof. Vivek Raich	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
20	Prof. Amrish Kumar Gupta	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
21	Ms Ragini Romde	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
22	Mr. Vivek Gome	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
23	Prof. Pradeep Sharma	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
24	Mr. Satyam Chaurasiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
25	Mr. Satyavrat Kateha	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
26	Dr. Vvs Murty	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
27	Student Ayushi Daharwal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
28	Ms Darshana Vakte	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
29	Prof. Manish Singh	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
30	Dr. Priti Chaturvedi	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
31	Mr. Divyank Seth	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
32	Prof. Sanjeeda Iqbal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
33	Prof. Dr.Abida Shamim Quresh	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
34	Mr. Abhinav Jain	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
35	Mr. Abhinav Jain	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
36	Mr. Algor Patel	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
37	Mr. Pankaj Mewada	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
38	Mrs Bharti Mewada	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
39	Mrs Bharti Mewada	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
40	Mr. Nirmal Parmar	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
41	Mr. Govind Singh Jatav	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
42	Mr. Elam	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
43	Ms Anshul Meena	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
44	Dr. Shivlal Mewada	
45	Prof. Ravi Meena	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
46	Mr. Anil Yadav	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
47	Dr. Bhawna Chourasia	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
48	Mr. Ravina Parmar	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
49	Mr. Roshil Verma	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
50	Ms Divya Soni	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
51	Mr. Ravi Rathore	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
52	Dr. Sapan Jat	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
53	Ms Tanisha Chauhan	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)

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55	Ms. Nikita Mali	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
56	Ms. Zeenat Khan	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
57	Mr. Atanu	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
58	Mr. Sonu Panchal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
59	Mr. Gaurav Madhukar	DAVV, Indore (M.P.)
60	Mr. Divyansh Shukla	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
61	Mr. Jaiprakash Yadav	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
62	Mr. Subhash Singh Parihar	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
63	Dr. Kapil Kumar Kushwah	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
64	Mr. Ajay	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
65	Mr. Rajay Rajput	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
66	Mr. Vikaram Jawariya	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
67	Mr. Divakar Sharma	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
68	Ms Varsha Pandey	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
69	Dr. Dr Seemavati Sisodiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
70	Mrs. Pratibha Mujumdar	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
71	Mrs. Chitra Ranadive	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
72	Mrs. Chitra Ranadive	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
73	Mr. Om Pratap Singh	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
74	Ms Shruti Ladke	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
75	Dr. Ashok Barua	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
76	Mr. Pankaj Pateriya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
77	Ms Ankita Singh	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
78	Ms Ruchita	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
79	Ms Ruchita	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
80	Mr. Pankaj Mali	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
81	Mr. Anurag Chaurasiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
82	Ms Pooja Pal	Government S.M.S. Model Science College, Gwalior (M.P.)
83	Ms Ruchita	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
84	Mr. Anurag Chaurasiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
85	Ms Ruchita	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
86	Mr. Anurag Chaurasiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
87	Mr. Hari Om Yadav	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
88	Miss. Tanu Sirvaiya	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
89	Dr. Gopal Solanki	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
90	Ms. Ashu Chouhan	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
91	Ms Nikky Jaj	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
92	Ms. Ashu Chouhan	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
93	Ms. Sakshi Chaure	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
94	Mr. Ramkrishna Barkhane	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
95	Dr. Santosh Gaherwal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
96	Prof. Prof. Vipul Keerti Sharma	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
97	Dr. Ravindra Pal	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
98	Dr. Dr Renu Jain	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
99	Prof. C. Shrivastava	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
100	Mr. Ankit Kumar Prajapati	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
101	Ms. Amisha Jain	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
102	Ms. Dipika Pathak	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
103	Ms. Astha Pardeshi	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
104	Mr. Umesh Pandey	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
105	Ms. Vishal Pushpad	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
106	Ms. Meer Misbah Shirin	Government Holkar (Model, Autonomous) Science College, Indore (M.P.)
107	Ms. Nikita Parmar	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
108	Mrs. Payal Dangi	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)

109	Ms. Charvi Shastri	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
110	Mr. Anuj Jain	DAVV, Indore (M.P.)
111	Ms. Nikita Khede	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
112	Ms. Shubhangi Gour	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
113	Ms. Shubhangi Gour	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
114	Ms. Yogita Dodve	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
115	Ms. Ayushi Gupta	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
116	Mr. Rahul	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
117	Mr. Abhishek Sharnagat	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
118	Ms Sakshi Patil	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
119	Ms Sakshi Vaidya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
120	Ms Gargi Bisen	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
121	Ms Surbhi Verma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
122	Mr. Yougal K. Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
123	Dr. Hemlata Rajput	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
124	Dr. Hemlata Rajput	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
125	Mr. Ashish Kumar Kushwaha	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
126	Mr. Umesh Pandey	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
127	Prof. Ashish Mamgain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
128	Ms Sakshi Verma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
129	Mr. Ajay Kumar Pandey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
130	Mr. Rohit Bamne	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
131	Mr. Yogesh Rathore	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
132	Dr. Dr Pramila Sadhav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
133	Prof. Dr.Reeta Agrawal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
134	Ms. Raksha Tadole	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
135	Prof. Dr Angurbala Bafna	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
136	Ms. Richa Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
137	Mr. Neeraj Ahirwar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
138	Mr. Vishnu	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
139	Ms. Vaishali Yadav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
140	Dr. Mukesh Singh Mewada	Government Jawaharlal Nehru Smriti PG College, Shujalpur (M.P.)
141	Mr. Punita Yadav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
142	Mrs. Ayushma Sahu	RNTU College, Bhopal (M.P.)
143	Mrs. Ayushma Sahu	RNTU College, Bhopal (M.P.)
144	Mr. Satyam Chaurasiya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
145	Dr. Angurbala Bafna	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
146	Prof. Deepak Choudhary	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
147	Prof. Sheetal Uikey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
148	Dr. Tasneem Rangwala	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
149	Prof. Aakriti Shrivastava	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
150	Prof. Saroj Solanki	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
151	Prof. Akanksha Lal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
152	Prof. Mahjabeen Qureshi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
153	Prof. Rahis Khan	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
154	Prof. Arun Kumar Patel	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
155	Prof. Rajesh Tokriya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
156	Prof. Amiya Pahare	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
157	Dr. Kamla Shivani	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
158	Dr. Kislaya Pancholi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
159	Dr. N.K. Jain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)

160	Dr. Pramila Sadhav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
161	Dr. Priti Chaturvedi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
162	Dr. Sandhya Parihar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
163	Dr. Sanjay Vyas	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
164	Dr. Sanjeeda Iqbal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
165	Dr. Seemavati Sisodiya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
166	Dr. Shagufta Khan	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
167	Dr. Smita Dubey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
168	Prof. Uday Chitnis	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
169	Dr. Anamika Jain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
170	Prof. Anil Badore	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
171	Dr. Anupam Saxena	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
172	Dr. Aparna Gandhe	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
173	Dr. Ashok Barua	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
174	Dr. Bijendra Rai	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
175	Dr. Geetha Sarasan	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
176	Prof. Juhi Banerjee	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
177	Dr. Laxmi Tantuvay	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
178	Prof. Meenal Shrivastava	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
179	Dr. Megha Chourey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
180	Dr. M.K. Dwivedi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
181	Dr. Nameeta Bende	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
182	Dr. Namrata Pathak	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
183	Prof. Navita Khosla	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
184	Prof. Neelima Pradhan	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
185	Dr. P.K. Jain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
186	Prof. Pramila Kori	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
187	Dr. Preeti Burvey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
188	Dr. Pushpa Makwane	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
189	Dr. Rachna Dubey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
190	Dr. Rajeev Dixit	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
191	Dr. Rajshri Somani	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
192	Dr. Reeta Agrawal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
193	Dr. Rekha Killedar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
194	Dr. Tripti Kamalpuria	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
195	Dr. Vijay Chourey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
196	Dr. Vijayshri Nilosey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
197	Dr. Vinita Khare	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
198	Prof. Amrish Gupta	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
199	Dr. Sandeep Kumar Gohar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
200	Prof. Aarti Shrivastava	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
201	Prof. Bhagyashree Pathak	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
202	Prof. Bhavna Bhadkare	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
203	Prof. Dheeraj Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)

204	Prof. Dipti Dubey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
205	Prof. Divya Rathod	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
206	Prof. Gazala Parveen	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
207	Prof. Harsh Paliwal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
208	Prof. Jaya Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
209	Prof. Jaya Vanpure	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
210	Prof. Manish Singh	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
211	Prof. Manoharlal Raksha	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
212	Prof. Mrinalini Jadhav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
213	Prof. Payal Jain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
214	Prof. Pooja Rathore	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
215	Prof. Priyanka Agiwal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
216	Prof. Ravi Patharia	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
217	Prof. Sapna Kaneria	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
218	Prof. Sarita Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
219	Prof. Shival Mewada	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
220	Prof. Yugal Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
221	Prof. Garima Choudhary	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
222	Prof. Deepika Mandwariya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
223	Prof. Ashish Mamgain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
224	Prof. Jaiprakash Yadav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
225	Dr. Kapil Kumar Kushwah	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
226	Dr. Bharti Sisodiya	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
227	Dr. Indu Tiwari	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
228	Dr. Kanta Mulchandani	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
229	Dr. Kiran Sitole	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
230	Dr. Perna Ojha	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
231	Prof. Rajni Mishra	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
232	Dr. Sona Sankte	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
233	Dr. Suwana Tanwani	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
234	Dr. Tausheeh Abbasi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
235	Prof. Rohit Verma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
236	Dr. Neha Chaurasia	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
237	Prof. Ritu Bharti	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
238	Prof. Satish Rai	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
239	Dr. Parul Pandey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
240	Dr. Poonam Bhatnagar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
241	Prof. Roohi Ansari	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
242	Dr. Shailesh Chaure	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
243	Dr. Vishnu Gadgil	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
244	Dr. Narendra Joshi	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
245	Dr. Aradhana Kaurav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
246	Dr. Manorama Agrawal	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
247	Dr. Bhavishya Namdeo	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)

248	Dr. Chitaranjan Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
249	Prof. Chitra Ranadive	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
250	Dr. Manoj Mishra	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
251	Dr. Naresh Patel	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
252	Prof. Pooja Chaubey	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
253	Dr. Pratibha Mujumdar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
254	Prof. Priyanka Choudhary	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
255	Prof. Puja Verma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
256	Dr. Rajnish Jain	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
257	Dr. Ravindra Garg	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
258	Dr. Hema Yadav	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
259	Dr. Sagita Jamod	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
260	Prof. Sapna Tamrakar	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
261	Dr. Vivek Raich	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
262	Prof. Digvijay Singh Solanki	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
263	Dr. R.K Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
264	Dr. S.K Sharma	Government Holkar {Model, Autonomous} Science College, Indore (M.P.)
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5. NATIONAL WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS

S. No	Component/Activities	Details
1	Name of the Department / Unit / Agency:	Department of Electronics & Department of Physics
2	Name of the Activity:	National Workshop on Intellectual Property Rights
3	Name of the Scheme:	MPHEQIP
4	Date and Year of the Activity:	12/03/2020 to 13/03/2020
5	Number of Students Participated in the activity:	214
6	Report of the Activity (in 100 words):	<p>Two days National Workshop on Intellectual Property Rights was organized by Department of Electronics & Department of Physics, Govt. Holkar (Model, Autonomous) Science College, Indore. This workshop has designed to create Intellectual Property Rights (IPR) and Copyrights Awareness among the students, faculty and researchers. It has provided a comprehensive understanding of National IPR Policy and infringement of Copyright Act. The workshop has motivated young students to innovate and to pursue their career in IPR.</p> <p>The workshop has covered various field of law and practices of Intellectual Property Rights and Copyrights in India. The patent filing and copyright in the field of physics, chemistry, life Sciences, etc.</p> <p>The two days workshop was divided in four technical sessions. Each session covers two lectures by eminent speakers from the IPR field. We have speakers from Indian Patent Office, Mumbai and New Delhi, Patent Attorney, faculty from MSME Indore, Scientists and Professors.</p>

		<p>Vice Chancellor of Devi Ahilya University Dr. Renu Jain and our Principal and Additional Director Dr. Suresh T. Silawat commenced the workshop. Dr. G.D. Gupta (HOD, the Department of Physics), Dr. RC Dixit, and Dr. Netram Kaurav (HOD, the Department of Electronics) served as the workshop's conveners, co-conveners and organising secretaries, respectively.</p>
7	<p>Photo of Activity:</p> 	





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and President Janbhagidari Samiti

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Dr. G. D. Gupta, HOD & Professor
Department of Physics

Co-Convener

Dr. R. C. Dixit, Professor
Department of Physics

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HOD & Assistant Professor
Department of Electronics

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- **Dr. M. Agrawal,** HOD & Associate Professor, Department of Hindi

About Indore

Indore is a historical city which used to be the capital of the erstwhile Holkar state. Queen Ahilya Devi was a great custodian of religion who constructed a number of temples across the country. Indore is well known for arts, sculptor and culture. There are a number of artistic sculptors in and around the city worth-seeing - Rajbada, Lalbagh palace, Sheesh Mahal to name a few. Indore is now recognized as an educational hub in central India that can boast of having both IIM and IIT within its precincts.



The city of Indore shares its border with well-developed industrial town like Dewas & Pithampur. A number of well-known industry houses like Kirloskar, Eicher, Tata International, L&T, Mahindra, Man Force Trucks, Volvo, Cipla, Ranbaxy, Ruchi Soya, Bridgestone and Multinational Companies like TCS, Infosys, Reliance and Sahara have either started their operations or are ready to launch them very soon. In view of its immense industrial potential and profuse techno-based infrastructure Indore is beginning to be recognized as "Mini Mumbai". There are some famous tourists spots at an average distance of 80 KM from the city among them - The Mahakal temple of Ujjain, Shiva temple at Omkareshwar (both jyotirling), Indore has secured first rank in cleanliness survey of Govt. of India for consecutive three years (2017, 2018 and 2019) and has a place in top ten cities of India based on ease of living survey.

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About Govt. Holkar Science College, Indore

The 125 year old Holkar College enjoys the reputation of being the foundation of higher education in central India. Ever since its inception the institution has been a centre for quality education & research. The long list of eminent scholars like Prof. Padmnabhan, Prof. Deshpande, Prof. Abhankar, Prof. Bhagwat who associated themselves with this prestigious institute in one capacity or the other bears a testimony to this fact. The college still strives to carry forward its golden heritage. At present it is an autonomous college & a centre for excellence. A number of distinguished persons like Sir C.V. Raman Pandit Jawaharlal Nehru, Dr. Radhakrishnan, Saint. Vinobha Bhave, Pandit, Madanmohan Malviya, Dr. A.P.J. Kalam have graced the college on various occasions.

About Department of Physics

Established in 1961 the 67 year old department of Physics has seen several batches of students at PG level, successfully completing their degree courses. The department maintains affiliations with DAVV, UGC-DAE CSR, RRCAT, & IIT Indore for the pursuance of basic research. The department has so far successfully organized a number of seminar / Symposium/workshop on varied subjects / topics. We now look forward to hosting this Symposium with the help of your active participation. We hope you find the event worth attending.

About Department of Electronics

The Electronics Department came into existence on the eve of 06 Sep. 2001 to meet the growing needs of teaching facilities with the aim to provide all required basic knowledge of the subject to its students at one place.

Since Electronics and IT Industries requires candidates, which are able to design and control the hardware. Due to this opportunity for students, department is has started short-term-courses on Robotics and Python.

About Workshop

Intellectual Property means the property represented by the product emanating from creativity of the human mind, human intellect and creative ideas. It can be innovation, original design, trademarks, artistic creation, etc. Besides,

ownership of IPR is the legal recognition and reward you receive for your creative efforts, source of national wealth and mark of an economic leadership in the context of global market scenario. Patents, Designs, Trademarks, Geographical Indications, etc. are examples of IPR. On the other hand, Writings, Musical Work, Audio-Visual Work, Dramatic Work, Painting & Drawings, Sound Recording, etc. are examples of copyright. This workshop is designed to create Intellectual Property Rights (IPR) and Copyrights Awareness among the students, faculty and researchers. It will provide a comprehensive understanding of National IPR Policy and infringement of Copyright Act.

Scope of the workshop

The workshop will cover various field of law and practices of Intellectual Property Rights and Copyrights in India. The patent filing and copyright in the field of physics, chemistry, life Sciences, etc. The workshop is open to faculty members, researchers, professionals, Scientist, Research Scholars and PG Students with nominal fee.

Important Deadlines

Registration Deadline	05 th March, 2020
Accommodation Request	08 th March, 2020
Workshop Date	12 th -13 th March, 2018

Registration Fee

- 300/- for Faculty/Scientist/ professionals and ₹ 200/- for research scholars. The registration fee includes workshop kit, lunch, and refreshments during workshop breaks.

Accommodation

Limited number of shared accommodations in guesthouse will be provided to students and research scholars on first come first served basis on charges of ₹ 250/- per night.

The faculty members, scientists and delegates may book private hotels directly or may contact the organizing committee to facilitate the booking subject to actual cost payable by an individual.

Workshop Venue

Yashwant Hall,
Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.), INDIA.



National Workshop on Intellectual Property Rights

March 12th, 13th, 2020

Organized by



Department of Electronics
and
Department of Physics

**Govt. Holkar (Model, Autonomous)
Science College, Indore (M.P.)**

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**"MPHEQIP" of
Department of Higher Education,
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National Workshop on Intellectual Property Rights



Department of Electronics and Department of Physics
Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.)

March 12th, 13th, 2020

Registration Form

Date :

Name :

Position :

Name of the
Department :

Organization :

Address :

Phone/Mobile :

E-mail :

Category of Registration ☐ Industry ☐ Research ☐ Academic ☐ Scholars/Students ☐

Accommodation ☐ Required ☐ Not Required ☐

Registration Fee: ₹ 300/-/₹ 200/- (Tick the relevant)

Signature

All correspondence may be addressed to:

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**Sponsored by : 'MPHEQIP' of Department of Higher Education,
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National Workshop on Intellectual Property Rights
Department of Electronics and Department of Physics
Govt. Holkar (Model, Auto.) Science College, Indore (M.P.), INDIA
March 12th -13th , 2020



Programme
12th March 2020

Time	Events	Venue
10.00 am to 11.00 am	Registration and Breakfast	In front of Red Building
11.00 am to 11.30 am	Inauguration	Yashwant Hall
Session I		
11.30 am to 12.30 noon	01 Invited Talk: Shri N. Ramchander, Deputy Controller of Patents & Design Office of the Controller General of Patents, Designs & Trade Marks, Mumbai Title: Introduction to IPR specifically on Patent prosecution	Yashwant Hall
12.30 noon to 01.30 pm	02 Invited Talk: Ms. Neel Kamal Jain, Trademark & Patent Attorney of Neel Kamal & Associates, New Delhi Title: Patent Filing Procedure	
01.30 pm to 02.30 pm	Lunch	In front of Red Building
Session II		
02.30 pm to 03.30 pm	03 Invited Talk: Shri Nilesh Trivedi, Assistant Director Gr. II, MSME Department Institute, Indore Title: IPR Initiative of Govt of India: Overview of IPR	Department of Physics
03.30 pm to 04.30 pm	04 Invited Talk: Dr. Tusar Banerjee, Professor, School of Life Sciences, DAVV, Indore Title: Plagiarism in scientific content	

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National Workshop on Intellectual Property Rights
Department of Electronics and Department of Physics
Govt. Holkar (Model, Auto.) Science College, Indore (M.P.), INDIA
March 12th -13th , 2020



Programme
13th March 2020

Time	Events	Venue
10.00 am to 11.00 am	Breakfast	In front of Red Building
Session III		
11.00 am to 12.00 am	05 Invited Talk: Dr. Prithpal Singh, Assistant Controller of Patents and Designs, Office of the Controller General of Patents, Designs & Trade Marks, New Delhi Title: IP-related initiatives by IPO and Insight Into IPR Developments In India	Department of Physics
12.00 noon to 01.00 pm	06 Invited Talk: Dr. Vias Sheke, Sr. Scientific Officer, Department of Physics and Electronics, Barkatullah University, Bhopal Title: Scientific and Logistic Aspects of Patenting.	
01.00 pm to 02.00 pm	Lunch	In front of Red Building
Session IV		
02.00 pm to 3.00 pm	07 Invited Talk: Dr. Sendhil Raja S., Head, Technology Transfer Cell, Raja Ramanna Centre for Advanced Technology, Indore Title: IPR in the context of Academic R&D	Department of Physics
03.00 pm to 3.30 pm	Valedictory Function	Yashwant Hall
3.30 pm to 4.00 pm	Tea	
4.00 pm to 04.30 pm	Certificate Distribution	

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National Workshop on Intellectual Property Rights
Department of Electronics and Department of Physics
Govt. Holkar (Model, Auto.) Science College, Indore (M.P.), INDIA
March 12th -13th, 2020



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184	DR. AMITA DAGAONKAR	FACULTY	ZOOLOGY	HOLKAR SCIENCE COLLEGE,INDORE			F	300
185	DR. SANTOSH GEHRWAL	FACULTY	ZOOLOGY	HOLKAR SCIENCE COLLEGE,INDORE	9827247048		F	300
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दिनांक 28/12/2019

प्रति

प्राचार्य

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर म.प्र.

विषय :- सत्र 2019-20 में महाविद्यालय में विद्यार्थियों के विज्ञान क्षेत्र में नवाचार (Innovation) को प्रोत्साहित एवं मार्गदर्शन हेतु कार्यशाला/व्याख्यान आयोजित करने बाबद ।

उपरोक्त विषयान्तर्गत निवेदन है कि महाविद्यालय में Innovation cell के अन्तर्गत विद्यार्थियों के विज्ञान क्षेत्र में नवाचार (Innovation) को प्रोत्साहित एवं मार्गदर्शन हेतु कार्यशाला/व्याख्यान आयोजित करने हेतु अनुमति देने का कष्ट करें ।



संयोजक



विभागाध्यक्ष

6. Skill development workshop

Workshop on Instrumentation

S.No.	Component Activities	Details
01	Name of the Department	Department of Chemistry
02	Name of Activity	Workshop
03	Name of the Scheme	Instrumentation
04	Date of the year of activity	06 Jan to 17 Jan 2020
05	Number and year of the activity	47 and year 2020
06	Report of the activity	<p>Department of Chemistry every year organizes workshop on Instrumentation for M.Sc. Final students.</p> <p>The aim of this workshop is to update M.Sc. students with industrial knowledge apart from their theoretical knowledge. The workshop was conducted from 03rd March to 13th March 2021. The eminent speakers were invited from several colleges & institutions to highlight instrumentation techniques. Students were updated from theoretical as well as practical front also.</p> <p>HPLC, UV, IR, FTIR, Gas Chromatography, Atomic Absorption Spectroscopy were the field he updated the M.Sc. students.</p>
07	Photo of activity	

13	CHEMISTRY	JHANVI BHALSE
14	CHEMISTRY	KUSUM MUVEL
15	CHEMISTRY	MANDAVI SONI
16	CHEMISTRY	MANISH YADAV
17	CHEMISTRY	NAYANI SAMAIYA
18	CHEMISTRY	NEELES PATEL
19	CHEMISTRY	NIKITA PATIDAR
20	CHEMISTRY	NUPUR HIRVEY
21	CHEMISTRY	PRAGYA DUDWE
22	CHEMISTRY	PRANJALI SINGH CHANDEL
23	CHEMISTRY	PREETI VERMA
24	CHEMISTRY	PRIYA THAKUR
25	CHEMISTRY	PRIYANKA VARMA
26	CHEMISTRY	PRIYANSHI BORLIYA
27	CHEMISTRY	SABIHA PARVEEN SAYYED
28	CHEMISTRY	SEVARAM KIRAD
29	CHEMISTRY	SHIRIN WAHAB
30	CHEMISTRY	SHIVANI DALAL
31	CHEMISTRY	SONALI CHOPRA
32	CHEMISTRY	TANUSHRI PAWAR
33	CHEMISTRY	UPASANA GUPTA
34	PharmaChemistry	Akanksha Shrivastava
35	PharmaChemistry	Aniket Verma
36	PharmaChemistry	Asmita Sharma
37	PharmaChemistry	Durgesh Bhalot
38	PharmaChemistry	Gaurav Patil
39	PharmaChemistry	Lalit Thakur
40	PharmaChemistry	Nidhi Sharma
41	PharmaChemistry	Ritu Pal
42	PharmaChemistry	Sapna Patidar
43	PharmaChemistry	Shalini Maheshwari
44	PharmaChemistry	Shivani Bhavsar
45	PharmaChemistry	Shubham Dubey
46	PharmaChemistry	Tanushree Agrahari
47	PharmaChemistry	Digambar Indorkar





दिनांक 05/02/2020

प्रति

प्राचार्य

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर म.प्र.

विषय :- सत्र 2020-21 में महाविद्यालय में विद्यार्थियों के विज्ञान क्षेत्र में नवाचार (Innovation) के अन्तर्गत रसायन विभाग में प्रयोगशाला से निष्कासित रसायन युक्त पानी के उपचार हेतु उपचार संयंत्र स्थापित करने बाबद ।

उपरोक्त विषयान्तर्गत निवेदन है कि महाविद्यालय में Innovation cell के अन्तर्गत विद्यार्थियों के विज्ञान क्षेत्र में नवाचार (Innovation) हेतु रसायन शास्त्र विभाग में प्रयोगशाला से निष्कासित रसायन युक्त पानी के उपचार हेतु उपचार संयंत्र स्थापित करने हेतु अनुमति देने का कष्ट करें ।



संयोजक

Chemical Sciences discipline

Chemistry Department



विभागाध्यक्ष

रसायन शास्त्र विभाग



S.No.	Component Activities	Details
01	Name of the Department	Department of Chemistry
02	Name of Activity	Effluent Treatment Plant
03	Name of the Scheme	
04	Date of the year of activity	13 th February 2020
05	Number and year of the activity	Year 2020
06	Report of the activity	<p>ETP plant is waste water treatment plant used for treating contaminants in the form of organic matter, inorganic matter, heavy metals, suspended solids. Knowing the importance of quality of underground water, the department of chemistry, holkar science college, Indore developed and designed ETP for lab effluent. The plant was designed to remove the impurities in various steps. The ETP plant consist of mainly three types of tank known as sedimentation tank, chemical feed tank and aeration chamber.</p> <p>The sedimentation tank collects the effluent and it is allowed to settle down under gravity. The settled sludge is removed manually. The effluent is passed at a steady rate through the controlled valve into the chemical treatment chamber. Thereafter chemical is added to neutralize the effluent with constant stirring in it. Due to constant stirring small flocculent is converted into bigger size. The treated effluent is then passed in adsorption duct containing activated charcoal for adsorption of particles. Slower flow rate of effluent increase the adsorption rate. The impurities get segregated and after this it is moved in aeration chamber. The DO level of</p>

		<p>treated water is increased with a provision provided in the aeration chamber.</p> <p>It has been found that DO level increases once the treated water is collected in aeration chamber followed by process to improve DO level. This water is then passed in soak pit consisting of Pebbles which helps in further filtration before water reaches the ground.</p> <p>Students performed experiments to check the efficiency of ETP analysing DO, COD, TDS, pH, Hardness, conductivity before and after treatment. Studies revealed that TDS was reduced after treatment. pH was maintained to neutral level. Experimental data revealed decrease in hardness level also.</p>
07	Photo of activity	
08	List of participants	

LABORATORY EFFLUENT TREATMENT PLANT

Objective and Relevance:

Water is a vital resource that forms the basis of life. Ground water is usually of acceptable quality due to natural filtration through ground. The untreated water from laboratories and industries poses serious threat not only the environment but also to the ground water of the locality. An important aspect of ground water pollution is the fact that it persists underground for many years once it is polluted.

Knowing the importance of the quality of ground water, the department of Chemistry, Govt. Holkar Science College has planned to establish an Effluent Treatment Plant (ETP), the idea of laboratory Effluent Treatment Plant is an innovative and original concept design and developed by the Department of Chemistry, Govt. Holkar Science College, Indore. The objective is to improve the quality of water to make it more acceptable for a specific end use.

Design of Plant & Principle:

Both physico-chemical processes are being involved in treatment like; sedimentation, filtration, chemical coagulation / flocculation, surface adsorption and aeration.

These processes will be carried out in the following steps:

- i) **Sedimentation Chamber:** The effluent from laboratory will be collected in this chamber. Large flocculated particles will settle down at the bottom of the chamber and sludge will be removed manually.
- ii) **Chemical Feed Chamber:** The preliminary process in treatment is chemical clarification by coagulation and filtration for removal of impurities, depending upon the character of effluent. The pH is measured and then the required chemicals is used to treat effluent with constant stirring. The process will convert small flocks into bigger size.
- iii) **Adsorption Duct:** Charcoal is a remarkable absorber because of its large porous surface. The amount of purification depends upon the rate at which charcoal is exposed to impure water. The slower the water passes through the duct filled with charcoal the larger the time it is exposed to contaminants. We have a valve to regulate the rate of flow of water over charcoal. Thus varieties of impurities will be segregated here.
- iv) **Aeration Chamber:** The aerator is submerged in water draw to atmospheric air below the water surface this creates fine bubbles and mixes air in water. Aeration water treatment is effective for the management of dissolved gases like CO_2 , H_2S etc. and volatile organic compounds (VOCs). It is also effective in precipitating dissolved iron and manganese. In aeration, dissolved CO_2 is removed which further improves the pH of water.
- v) **Soak Pit:** This pit is especially filled with pebbles for further filtration before the treated water penetrates into the ground.

Technical Committee Members

1. Dr. Rajeev Dixit
2. Dr. Sandeep Gohar

Chief Mentor

Dr. Anamika Jain
HOD, Chemistry

Chief Patron

Dr. Suresh T. Silawat
Principal





राजकीय होलकर विज्ञान महाविद्यालय, इन्दौर (मोप्रो)
रसायनशास्त्र विभाग

दिनांक : / 2020

दिनांक 29.11.2020

प्रति,

प्रचार्य
राजकीय होलकर विज्ञान महाविद्यालय
इन्दौर (मोप्रो)

रसायन-विभाग हेतु इंटरसेक्टिव बोर्ड प्रदाय करने बाबद्।

महोदय,

संज्ञित विषयांतर्गत निवेदन है कि रसायनशास्त्र विभाग एक बड़ा विभाग है और विभाग की भागस्थ प्रयोगशाला में कई शोध कार्य एवं एम.एस-सी. के विद्यार्थियों द्वारा प्रयोगिक कार्य किया जाता है।

एम.एस-सी. की कक्षा हेतु एक इंटरसेक्टिव बोर्ड की आवश्यकता है।

कृपया अनुमति प्रदान करने का कष्ट करें।


for James
28/11/2020

विभागाध्यक्ष


रसायनशास्त्र विभाग

for
28/11/2020

7. Appendix



**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS




सत्यमेव जयते

**भारत सरकार
GOVERNMENT OF INDIA**

**पेटेंट कार्यालय
THE PATENT OFFICE**

**पेटेंट प्रमाणपत्र
PATENT CERTIFICATE**
(Rule 74 of The Patents Rules)


क्रमांक : 022121423
SL No :




पेटेंट सं. / Patent No.	:	415304
आवेदन सं. / Application No.	:	202121005883
फाइल करने की तारीख / Date of Filing	:	11/02/2021
पेटेंटी / Patentee	:	1.Dr. Netram Kaurav 2.Ms. Disha Harinkhere 3.Dr. G. S. Okram

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित **GAS PERMEABILITY MEASUREMENT APPARATUS AND METHOD** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख फरवरी 2021 के ग्यारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **GAS PERMEABILITY MEASUREMENT APPARATUS AND METHOD** as disclosed in the above mentioned application for the term of 20 years from the 11th day of February 2021 in accordance with the provisions of the Patents Act, 1970.



**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

अनुदान की तारीख Date of Grant :	23/12/2022	 पेटेंट नियंत्रक Controller of Patent
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टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, फरवरी 2023 के ग्यारहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 11th day of February 2023 and on the same day in every year thereafter.