



NO. HPSES-SAMAGRA SHIKSHA ABHIYAN-(H.O) -2380-2405.
SWYAMSIDHAM PROJECT 2013-14
STATE PROJECT OFFICE, SHIMLA-1, HIMACHAL PRADESH.
DATED: SHIMLA-171001, THE 25/6/2018.

To

(1) Deputy Director Higher Education,
All the Districts ,Himachal Pradesh.

(2) District Project Officers-cum-Principals DIETs,
All the Districts, Himachal Pradesh.

**Subject: On-line Submission of Edited and Properly Arranged E-Content
for the Classes of +1 and +2.**

Sir/Madam,

In continuation to letter dated on 15th June 2018, regarding editing and arranging the E-content of +1 and +2 classes, it is to be informed that, Govt. of India has consented to print the said content and provide ten copies of each subject(Maths, Physics, Chemistry, Biology and Mental Ability) in the libraries, for the reference of students. The e-content prepared in the workshops still needs a lot of correction and proper presentation.

Hence all the resource persons (as per the list attached in annexure A) are directed to submit their concerned topics. *Following instructions are to be complied with during the process of editing:-*


1. The Basic and Advance Notes to be clubbed together in a single word document file.
2. Questions Series of all four levels (Basic Level, Level I, Level II and Level III) are to be clubbed in another single word document file.
3. Power Point Presentation with proper effects based on constructivist approach of Teaching Learning.
4. The font type is to be kept "Times New Roman".
5. The font size for Heading-16, Sub Heading-14 and rest of the content-12.
6. The margins setting should be as Right=1", Left=0.5", Top=1" and bottom=0.5".
7. Page Layout Two column with Line between.

8. In the file containing Questions Series, as mentioned at Sr. No. 2, Hyperlink each page with the page containing answer of concerned level. Hyperlink answer page with the pages containing questions.

An example of chapter Nervous System of BIOLOGY for class +1 has been uploaded on Resource Material option of RMSA Himachal website (www.rmsahimchal.nic.in) for your ready reference. The consolidated subject wise –rough e-material will be sent to the concerned resource persons through their email.

All the resource person are directed to follow the directions and submit the content on spdrmsahp@gmail.com before 5th July 2018, so that feedback on the content could be taken from other ICT schools all over Himachal Pradesh.


Non compliance will be taken seriously.


State Project Director (SISE)
Shimla-1, Himachal Pradesh.

Endst. No. Even Dated: Shimla-171001, the.....

Copy to: -

1. Secretary (Education), Govt. of Himachal Pradesh, Shimla-2 for information please.
2. Director Higher Education, Shimla-1 with a request to issue orders to expedite the submission of e-content and permission to upload the letter on the departmental website.
3. All the Deputy Directors, Higher Education, H.P. for necessary action please.
4. All the principals to provide all kind of necessary help to the resource persons in development of the e-content.


State Project Director (RMSA)
Shimla-1, Himachal Pradesh.

Resource Persons for E-Content Development (Mathematics)

Sr. N	Name	Address	Dist.	Email ID	Phone	Topic
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2	Manoj Kumar	GSSS Kuthar Kalan	Una	manojnov1973@gmail.com	9418853850	Complex number
3	Arvind Sharma	GSSS Ghallaur	Kangra	arvindaasharma1970@gmail.com	9418113209	Differential equation
4	Vijay Kumar	BKR GSSS Dadasiba	Kangra	vijayharmittan@gmail.com	8219654506	Differential equation
5	Sanjeev Kumar	G.S.S.S. Chaukimanjar	Una	sanjudhiman337@gmail.com	9882177337	Matrices and Determinant
6	Arjun Singh	G.S.S.S. Tandi	Kullu	arjun89882@gmail.com	8988263642	Matrices and Determinant
7	Suresh Kumar	Teh. Nadaun,	Hamirpur	drsuresh674@gmail.com	7807424805	Permutation and Combination
8	Ajay Kumar	GSSS Dangar	Bilaspur	chandelayaj.76@gmail.com	9805733389	Straight line
9	Arvind kumar	DIET Chamba	Chamba	aopt-06@rediffmail.com	9418015262	Trigonometry
10	Umesh Kumar	GSSS Barur	Chamba		884162841	Trigonometry
11	Suman Kumar	GSSS Sehunta	Chamba	sumanpur4014@gmail.com	8894674025	Trigonometry
12	VikramDass	GSSS Bathu	Una	viramtgt@gmail.com	8629813322	Quadratic Equation
13	Kamal Kishor	GSSS Kungash	Kullu	kamalkishor.kk159@gmail.com		Statistics and Probability.
14	Suneel Kumar	GSSS Jauramb	Hamirpur	suneel39397@gmail.com	7807239397	Mathematical Reasoning
15	Kushal Thakur	GSSS Neethed	Kullu*	Kushalthakurmths536@gmail.com	9418542626	Set Relation and Function
16	Ram Gopal Sharma	GSSSNaghetta	Sirmaur	rgsharma0972@gmail.com	9418135827	Set Relation and Function
17	Vijay Chauhan	GBSSS Pontasahib	Sirmaur	vkc6970@gmail.com	9418052074	Integral
18	Pushpender Singh	GSSS Bychari	SHIMLA		9418310918	3 D
19	Rakesh Sharma	GSSS Bandla	Bilaspur	rakesh.may@hotmail.com	9418254529	Vector
20	Naresh Kumar	GSSS Bagthab	Sirmaur	nksarahan@gmail.com	9418059672	Integral
21	Dharam Chand	GSSS Cholthara	Mandi	dethakur1969@gmail.com	9418527100	Conic Section
22	Pushpa Devi	GSSS Kungrat	Una	centre.stg@gmail.com	9805518497	Limit Continuity and Differentiability
23	Aruna Thakur	GSSS Ghanahatti	Shimla	arunathakur1122@gmail.com	9805518497	Limit Continuity and Differentiability
24	Sant Ram Sharma	GSSS Rampur Bharupur	Sirmaur		9816767946	Integral
25	Lalit Kumar	GSSS Phangees	Mandi	thakurlalit950@gmail.com	9418256166	Limit
26	Kamal Dev	GSSS Goarli	Hamirpur	kdmk.sharma@gmail.com	9418371619	Co-ordinate Geometry

Resource Persons for E-Content Development (Biology)

Sr. No.	Name	Address	District	Email ID	Phone	Topic
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2	Ashwani Kumar	GSSS Swahan	Bilspur	ziddi779@gmail.com	9736076343	Nervous System
3	Jankesh Kumar	GSSS Nirmand	Kullu	kumarjankesh@gmail.com	9418171824	Sensory System
4	Ravi Kant	GSSS Patta	Hamir.	aarstaprial1122@gmail.com	9816860712	Human Reproduction and reproductive health
5	Sanjeev Kumar	GSSS Tal	Hamir.	sanjeev95@gmail.com	9805216588	Plant reproduction
6	Vijay Kumar	GSSS Patlander	Hamir.	sg-ghawana@rediffmail.com	9818332756	Plant Physiology
7	Suresh Kumar	GSSS Bani	Hamir.	suresh221453@gmail.com	9459096151	Human Embryology
8	Kamlesh Kumar	GSSS Dhulara	Chamb.	kamleshkumar76550@gmail.com	9817776550	Human Physiology Excretory Circulatory and Respiratory system
9	Suneel Dutt	GSSS Auher	Bilaspur	suneelsharma1964@gmail.com	9816029597	Endocrine system
10	Amin Chand	GSSS Paprola	Kangra	aminthakur1966@gmail.com	7018555422	Ecology Part - I
11	Durga Nand Thakur	GSSS Nither	(Kullu)	thakurdn1966@gmail.com	9418465532	Part -II
12	Suresh Kumar	GSSS Daulatpur Chowk	Una	mrsthakur1974@gmail.com	8626938932	Lower Plants,
13	Basu Dev Thakur	GSSS Gondpur	Una	23031976b@gmail.com	9418181797	Biotechnology and Bio Energy
14	Ashwani Kumar	GSSS Khad	Una	ashwani82.kashyap@gmail.com	9805158209	Origin of life & Evolution
15	Vivek Kumar	GSSS Bangana	Una	viveksharma2124@gmail.com	9805198209	Human health and diseases
16	Pawan Thakur	GSSS Hatgarh	Mandi	pt71434@gmail.com	9418132255	Anatomy of Powering and Plants,
17	Suraj Kumar	GSSS Randhara	Mandi	sat7sur.mnd@gmail.com	9418000457	Morphology of flowering plants
18	Sandhira Sharma	GSSS Chail	Solan	sharmasandhira@gmail.com	9816317027	Animal Diversity
19	K.L. Thakur	GSSS Saigaloo (Mandi	kishorilal3405@gmail.com	9418003405	Part - I , Part - II
20	Deepak Sharma	GBSSS Arki	Solan	deepaksharmabiotech@gmail.com	9816592069	Angio Sperms,
21	Dev Raj	GSSS Sanio-Deedag	Sirmaur	rajpundir12@gmail.com	9816631135	Digestion and Absorption,
22	Vijay Kumar	GSSS Sultanpur	Solan	meetu_vijay@rocketmail.com	9418011524	Animal Tissue
23	Upasana Sood	GSSS Dargi		upasana0770@gmail.com	9816086026	Protoplasm
24	Bharat Kashyap	GSSS Darang	Mandi	bk.paddal@gmail.com	9418002569	Taxonomy
25	Dinesh Patial	GSSS Trifal Ghat	Mandi	patyaldinesh@gmail.com	9418474900	Cell structure and function

26	Naveen kumar	GSSS Zakatkhana	Bilspur	Nkpallu78@gmail.com	9418013711	Locomotion and movement
27	Vikas Kumar	GSSS Bhakhra	Bilspur		9418415460	Heredity and variations and Molecular basis of inheritance
28	Janki Dass	DIET kullu	Kullu	Jdthakur73@gmail.com	9418164500	Environmental hazards

Resource Persons for E-Content Development (Chemistry)

Sr. No.	Teacher Name	Address	District	Email ID	Mobile No.	Topic
1	Adarsh Sharma	GSSS Theog	Shimla	adsharma231@gmqaill.com	9418001314	Hydrocarbons
2	Ajay Kumar Nanda	GSSS Gauna Karaur	Hamirpur	ajaynanda44@gmail.com	9816081667	Alcohol, Phenol & Ether Hydrogen
3	Anil Kumar	GSSS Gehrwin	Bilaspur	7807277133chemistry@gmail.com	7807277133	Some Basic Concepts of Chemistry Mole Concept
4	Aswani Rana	GSSS TALAI	Bilaspur	ashwanrana383@gmail.com	8219674560	Chemical Bonding and Molecular Structure
5	Balam Singh Guleria	GSSS CHOLTHARA	Mandi	balams2119@gmail.com	9418052119	D- and F- Block Elements
6	Balbir Singh	GSSS BHARAJ BANERI	Sirmaur	balbir197810@gmail.com	9816970570	Chemical Kinetics
7	Bhartendu	GSSS SADWAN	Kangra	bhartendu198@gmail.com	9418122083	Solid State
8	Chaman Lal	GSSS DARLAGHAT	Solan	clthakurkhalayana@gmail.com	9816140999	S-Block Elements
9	Chandu Ram Simer	GSSS RANIKOTLA	Bilaspur	crsimer.hp24@gmail.com	9418615598	Atomic Structure
10	Harish Kumar	GSSS KATTOG (KGR)	Kangra	hkcyjwalaji@gmail.com	9418161554	P- Block Elements(13&14)
11	Jagdish kumar	GSSS CHALEHLI	Bilaspur	jagdishkumarblp@gmail.com	9418352952	The States of Matter
12	Jugal Kishor	GSSS BANJAR	Kullu	sjuga1915@gmail.com	9459981071	Polymers
13	Kewal Singh	GSSS RAIPUR	Chamba	arpisakshu@gmail.com	9418574683	Chemical equilibrium
14	Manoj Kumar Sharma	GSSS(G) SUNDER NAGAR	Mandi	mksharma7726@gmail.com	9418605442	Electrochemistry
15	Pawan Kumar	GSSS DADASIBA	Kangra	pawandada72@gmail.com	9418476951	Environmental Chemistry
16	Puneet Sharma	GSSS CHEOG	Shimla	PUNEETSHARMA40Y@GMAIL.COM	9418001505	Thermodynamics
17	Purshottam Kumar	GMSSS DHUNDAN	Solan	pkm.gsr.47@gmail.com	9816052721	Ionic Equilibrium
18	Rajesh Kumar	GSSS THAHKALAN	Una		9816794581	Aldhydes ketones and carboxylic acids
19	Rakesh Azad	GSSS CHIUNI	Mandi	rakeshazad19@gmail.com	9418041367	P-Block Elements(15,16,17,

						18)
20	Rakesh Kumar	GSSS Lower Hareta	HAMIRP UR	rakesh99bhardwaj@mail.com	9816642603	Solutions
21	Rakesh Paul	GSSS Banjar	Kullu		9418418569	General Organic Chemistry
22	Rakesh Sharma	GSSS Matyana	Shimla	rakeshtikkar@gmail.com	9816080679	Solutions and Colligative Properties
23	Sandeep Sharma	GSSS Kuthera	Una	sandeepsharmateacher@gmail.com	9816045448	Periodic table
24	Sanjeev Kumar Sharma	GSSS Dhaliara	Kangra	ballasanjeev1972@gmail.com	8894545424	Matalargy
25	Santoshi Devi	GSSS Shargaon	Sirmaur	santosh2904@gmail.com	9418151701	Organic compound Containing Nitrogen
26	Suresh Kumar	GSSS Kungash	Kullu	sushesh.ayush75@gmail.com	9418014908	Biomolecules
27	Vijay Kumar	GSSS Gurkotha	Mandi	sharma.vijay171@gmail.com	9816239935	Co-ordination Compounds,& Hydrogen
28	Pradeep Kumar	GSSS Barmana	Bilaspur	Pkoo54gmail.com	9816645503	Haloalkanes & Haloarenes
29.	Manoj Kumar Sharma	GGSSS Sundernagar	Mandi	mksharma7726@gmail.com	7018256442	Redox Reaction
30.	Ajay Kumar Nanda	GSSS Gauna Karaur	Hamirpur	ajaynanda44@gmail.com	9816081667	Surface Chemistry

Resource Persons for E-Content Development (Physics)

Sr. No.	Teacher Name	Address	District	Email ID	Mobile No.	Topic
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2	Pawan Thakur	GSSS Lal Pani	Shimla	Thakurpawan24@gmail.com	9459650007	Atomic & nuclear physics +2(XVIII)
3	Joginder Kumar	GSSS Lal Pani	Shimla	Joginder1370@gmail.com	9418377405	Electronic devices and communication +2(XIX)(XX)
4	Ravi Kant Kaushal	GSSS Soldha	Bilaspur	Ravi.suman2004@gmail.com	9418080516	Simple Harmonic Motion +1(X)
5	Madan Lal	GSSS Berthin	Bilaspur	cantanphy@gmail.com	9418472008	AC +2(XIV)
6	Rakesh Bansal	GSSS Pawanta Sahib	Sirmour	dritsam@gmail.com	9816239241	ELECTROSTAT ICS +2(XI)
7	Dinesh Kumar	GSSS Kaffota	Sirmour	Dineshtomar33111@gmail.com	9418133111	Current Electricity +2(XII)

8	Sanjay Kumar	GSSS Ambota	Sirmour	anjuanusk@gmail.com	9459659649	Magnetism +2(XIII)
9	Pawan Kumar	GSSS Sherpur	Chamba	Pawanash57@gmail.com	94181- 92991	EMI +2(XIV)
10	Ravinder Sharma	GSSS Jawalamukhi	Kangra	Ravindera1999@gmail.com	9418005372	Ray Optics, prepared +2(XVI)
11	Neeraj Sharma	GSSS Ghallour	Kangra	Nsm1475@gmail.com	9805223092	
12	Mukesh Kumar	GSSS Behal	Bilaspur	Mksrattan197@gmail.com	9736878563	Units, Dimensions and Measurement +1(I)
13	Ruchi	GSSS Kuftu	Solan	Richi101984@gmail.com	9418755880	Wave optics +2(XVI)
14	Tarun Saroop Joshi	GSSS Subathu	Solan	tarunjoshi@gmail.com	9816700047	Kinetic Theory of gases +1(IX)
15	Sanjeev Kumar	GSSS Kuthar Jaswahn	Una	Kumarsanjeev0987@gmail.com	9816611042	1-D motion +1(II)
16	Shiv Nath	GSSS Pubowal	Una	Shivnath891@gmail.com	9418842891	Vectors +1(II)
17	Ashok Kumar Handa	GSSS Rora	Una	ashokhanda@yahoo.com	9857629962	2-D motion +1(II)
18	Ravinder Kumar	GSSS Anni	Kullu	kamotraravi3@gmail.com	9857666155	Work, Power and Energy +1(IV)
19	Rakesh Sharma	GSSS Dhundan	Solan	Rakeshsharma3883@gmail.com	9816406090	Rotational Motion +1(V)
20	Subhash Rana	GSSS Neether	Kullu	Subasg70ranash@gmail.com	7018781870	Law of motion +1(III)
21	Rajesh Nanda	GSSS Baryara	Mandi	nandagraj@gmail.com	9418095622	Elasticity, surface tension +1(VII)
22	Gurbachan Singh	GSSS Jaral	Mandi	Gurbacha73@rediffmail.com	9882315545	Fluid Dynamics +1(VII)
23	Tara Sigh	GSSS Jarol	Mandi	starsinght@gmail.com	9418651349	Thermodynamics +1(VIII)
24	Anil Kumar Azad	GSSS Lahula	Kangra	Azadanilkumar@gmail.com	9418463524	Sound and waves +1(II')
25	Dinesh Kumar Kaundal	GSSS(Bharwain)	Una	dkkaundal1971@gmail.com	9459059627	Gravitation +1(VI)
26	Suman Kumar Sharma	DIET Shimla	Shimla	suman123@gmail.com	9418535363	Electromagnetic waves +1(XV)

Resource Persons for E-Content Development (Mental Ability)

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3	Anshu	GSSS Luhri	Kullu	anshudhiman77@gmail.com	9418332563	Magic Circle and Square
4	Chetna Kapoor	GBSSS Theog	Shimla	sheetalsehgal01@gmail.com	9816084206	Analogy
5	Sanjeev Gangta	GSSS Theog,	Shimla	sanjeev.gangta1976@gmail.com	9816047067	Analogy
6	Harvinder Singh	GSSS Pukhri	Chamba	jaryalharwinder@gmail.com	9418731330	Letter Series
7	Jeet Ram	GSSS Peej,	Kullu	jeetbjrkullu@gmail.com	9418412323	Number Series
8	KanteshwarLakhanpal	GSSS Kuthera	Hamirpur	kanteshwarlakhanpal@gmail.com	8894517132	Calendar and Clock
9	Vijay Kumar	GSSS Choru	Hamirpur	vijay74773@gmail.com	8894281581	Calendar and Clock
10	ManojChandel	GSSS Cheog	Shimla	chandel.manoj79@gmail.com	9459608862	Non Verbal Intelligence test
11	Sunil Dogra	GSSS Theog	Shimla	sdogra2362004@gmail.com	9418051839	Non Verbal Intelligence test
12	Om Prakash	GSSS Manjhol,	Shimla	omidot@gmail.com	9459870956	Direction Sense
13	Pradeep Sharma	GSSS Wakhlehra,	Bilaspur	pardeepsharma0382@gmail.com	9418653359	Cube and Dices
14	Rajesh Kumar	GSSS Raja KaTalab,	Kangra	rajesh9459723741@gmail.com	9459723741	Classification
15	Rakesh Sharma	GSSS Khaniara Khas	Kangra	rakeshmintu1963@gmail.com	9418474610	Alphabet Test
16	Suresh Sharma	DIET Kullu	Kullu	1810sksharma@gmail.com	9418352298	Alphabet Test
17	Sanjeev Kumar	GSSS Dehlan	Una	sanjeevranjana75@gmail.com	9418600581	Logical Diagram
18	Balwinder Kumar	GSSS Takka ,	Una	balwinderk71@gmail.com	9418461050	Logical Diagram
19	Subodh Kumar	GSSS Pandoga ,	Una	angra.subodh@gmail.com	8679747031	Coding and Decoding
20	Virender Kumar	GSSS BassiMandi	Mandi	virender031071@gmail.com	9459854755	Coding and Decoding
21	VikramDass	GSSS BathuUna	Una	vikramtgt@gmail.com	8629813322	Mathematical Aptitude
23	Rohit Mehta	GSSS Peej, Kullu	Kullu	rohitrajmehta@gmail.com	9816371471	Mathematical Aptitude