## ANNEXURE-III DETAILS OF COMPLETION OF VALUE ADDED COURSE

Name of College : Govt. Pt. Shyamacharan Shukla

College, Dharsiwa, Raipur (C.G.)

Name of the Department : MATHEMATICS

Name of the Value Added course offered : Value Added Course on

" Computer Software Development

Skills "

Name of the Faculty offered the course (Academic) : Mr. Devashish Pradhan

(Guest Lecturer PGDCA)

Name of the coordinator : **Dr. Nidhi Dewangan** 

(Assist. Prof. & Head, Department

of Mathematics)

E-mail: nidhi.dewangan86@gmail.com

Contact: 8878427915

#### Details of students attended the course:

S.N.	Name of the student	Reg.No.	Programme VAC on Computer Software Development Skills	Semester /Year	Marks (Out of 100)	Grade
1	Aashna Parveen	1	-		86	A
2	Anuradha Sahu	2	-		89	A
3	Asha Nishad	3	-		83	A
4	Ayush Dewangan	4	-		90	A
5	Bharati Sahu	5	-		90	A
6	Bhumika Ghamforia	6	-		88	A
7	Chandrakiran Dewangan	7	-		87	A
8	Harish Chandra	8	-		82	A
9	Harsha Verma	9	-		85	A
10	Jageshwari Sahu	10	-		84	A
11	Jayshree	11	-		89	A
12	Jitendra Kumar Verma	12	-		90	A
13	Jyoti Mahto	13	-		92	A
14	Jyoti Sahu	14	-		88	A
15	Laxminarayan Dewangan	15	-		84	A
16	Manisha Verma	16	-		85	A
17	Megha Gajendra	17	-		86	A
18	Musarrat Khan	18			82	A
19	Deepak Verma	19	-		84	A
20	Pankaj Kumar	20	-		89	A
21	Priti	21	-		83	A

22	Devika Sahu	22	-	86	A
23	Shubham Kumar	23	-	85	A
24	Sambhavi Sahu	24	-	90	A
25	Shail Nishad	25	-	85	A
26	Priyanka Yadav	26	-	89	A
27	Urmi Nishad	27	-	88	A
28	Vivek Verma	28	-	85	A
29	Yugal Kishor Netam	29	-	82	A
30	Indu Dewangan	30	-	87	A

Faculty Handling the Course

(Devashish Pradhan)

Course Coordinator (**Dr. Nidhi Dewangan**)

Dr. Nidhi Dewangan Asst. Prof. (Maths) Govt. Pt. Syamacharan Shukla College Dharsiwa, Raipur (C.G.) Principal (**Dr. Vinod Sharma**)

Principal

Govi D Shyamacharan Shukla College

Shankar Nagar) Dharsiwa Raipur (C.G.)

## ANNEXURE - II APPLICATION FOR CONDUCTION VALUE ADDED COURSES

1. Name of the Department : **MATHEMATICS** 

2. UG/PG Programme : UG Program

3. Details of the Value-Added Courses:

a. Name of the Value-Added Course : Value Added Course on

"Computer Software Development Skills"

b. Type of Value-Added Courses : (Lab Integrated Theory)

c. Short Description : Enclosure -1 Enclosed -YES

d. Syllabus including marks & Theory/ Practical hours: Enclosure -2 Enclosed- YES

4. Target audience: Year/Semester (indicate if more than one) / Others: 30 Hours

5. Details of Faculty handling the course:

A. Mr. Devashish Pradhan (Guest Lecturer PGDCA, Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur (C.G.))

B. Details including designation and expertise: Enclosure -3 enclosed - YES

C. Contact details: Mo: - 7880063464

Email ID: Deva8602447265@gmail.com

6. Tentative Time Table including dates of internal assessments Enclosure 4 enclosed-YES

7. Proposed of students opting for the course: Minimum 30 students

8. IQAC Minutes: Enclosure 5 enclosed – YES

9. Name and Designation of the Coordinator:

Dr. Nidhi Dewangan Assist. Prof. & Head (Department Of Mathematics)

Email: nidhi.dewangan86@gmail.com

**Mobile**: 8878427915

Dr. Nidhi Dewangan Head of Department

Dr. Nidhi Dewangan Asst. Prof. (Maths) Govt. Pt. Syamacharan Shukla College Dharsiwa, Raipur (C.G.)

Dr. G. Nag Bhargavi Co-ordinator IQAC (Dr. Smt. Vinod Sharma) Principal

Shareno

Principal

Govi D Shyamacharan Shukla College Shankar Nagar) Dharsiwa Raipur (C.G.)

#### **Short Description:**

#### Value Added Course on Computer Software Development Skills.

The ever-changing global scenario makes the world more competitive and requires high levels of lateral thinking and the spirit of entrepreneurship to cope up with emerging challenges. Many a times, the defined skill sets that are being imparted to students today with Program Specific Objectives in educations become redundant sooner than later due to rapid technological advancements. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes.

#### **Objectives**

- To improve employability skills of students.
- To provide an opportunity to students to develop inter-disciplinary skills. To mould students as job providers rather than job seekers.

#### **Duration**

The duration of value-added course is 30 hours with a combination 15 hours (50%) of theory and 15 hours (50%) of practical. However, the combination of theory and practical shall be decided by the course teacher with the approval of the Head of the Department.

#### **Learning Outcome:**

- Demonstrate a basic understanding of computer software.
- Demonstrate problem solving skill.
- Apply logical skills to programming in variety of languages.
- Utilize Web Technology.
- Working effectively in team.
- Apply the skills that are the focus of this Program to business or job scenarios.

#### **Learning Methods:**

- Theory Lectures/ Practical
- Guest Speakers (Invited Talk)
- Seminar/ Presentation
- Written Assignments
- Group Discussion

#### Syllabus including marks and theory Practical hours:

#### **Course Contents:**

#### Unit 1

#### Computer Networking & Internet: (3 hours theory/3 hours Practical)

Introduction to Network & its types, Topology, IP address, DNS, Protocols, Transmission Media, Mode, Internet Security and firewall, TCP/IP Model, Cryptography Technology – Encryption and decryption Email, email protocols, Html, form design. Internet technology, Google workshop.

#### Unit 2

#### Programming in C & C++: (3 hours theory/3 hours Practical)

Introduction to programming language, Software Installation Process, Programming paradigm, Algorithm and flow chart. Working with real life programming environment. Concept of Procedural oriented programming and object-oriented programming. Develop logical programming skills.

#### Unit 3:

#### Database & SQL: (3 hours theory/ 3-hour Practical)

Introduction to Database, Purpose of database languages, View of data, Data modeling, Database administrator and Users. SQL different commands and query, 'Relational schema, meta data, SQL/PL SQL.

#### Unit 4:

#### **VB.net** (3 hours theory/ 3 hours Practical)

An intro to .NET framework, Working with Windows form. .net Controls and Events. Project Work of creating software. ADO.Net Connectivity And Data sets, Adapter, Data Grid Controls

#### Unit 5:

#### Python: (3 hours theory/3 hours Practical)

Introduction to python, Install and Environment setup, first python program , list , ranges & tuples , Dictionaries and sets, Input/output in Python. Exception handling and multithreading. Working with real world Software

Time Table including Dates of Internal Assessment: -

Date	Topic	Theory	Practical
6/9/2021	Unit 1: Introduction to Network & its types, Topology, IP address, DNS, Html, form design. Internet technology.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
7/9/2021	Unit 1 Google workshop. Develop logical programming skills. Protocols, Transmission Media & Mode, Internet Security and firewall.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
8/9/2021	Unit 1 TCP/IP Model, Cryptography Technology – Encryption and decryption Email, email protocols.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
11/9/21	Unit 2 Introduction to programming language, Software Installation Process, Programming paradigm, Algorithm and flow chart.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
13/9/21	Unit 2 Introduction to C language, literals, keywords, constant, Operators, Control statements.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
14/9/2021	Unit 2 Concept of Procedural oriented programming and object-oriented programming.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
15/9/2021	Unit3 Introduction to Database, Purpose of database languages, View of data, Data modeling, Database administrator and Users.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
16/9/2021	Unit 3 SQL different commands and query,' Relational schema, meta data.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
17/9/2021	Unit 3 SQL/PL SQL. DDL, DML, TCL, DCL, Commands. Relational Algebra.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
18/9/2021	Unit 4 An intro to .NET framework, Working with Windows form. MDI form, Working with multiple forms. Methods.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM

20/9/2021	Unit 4	9:00 AM	10:30 AM
	.net Controls and Events. Project Work of creating software.	to 10:00 AM	To 11:30 AM
21/9/2021	Unit 4 ADO.Net Connectivity and Data sets, Adapter, Data Grid Controls.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
22/9/2021	Unit 5 Introduction to python, Install and Environment setup, IDE, (Visual Code Studio, anaconda) first python program.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
23/9/2021	Unit 5 Operators, array, list, ranges & tuples, Dictionaries and sets. Control statements.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM
24/9/2021	Unit 5 Input/output in Python. Exception handling and multithreading, Connectivity to Database.	9:00 AM to 10:00 AM	10:30 AM To 11:30 AM

#### Name of Experts

Details including designation and expertise:

- 1. Mrs. Yogeshwary Pal Assist. Prof. & Head, Deptarment of Information Technology, Govt. N.P.G. College of Science, Raipur (C.G.)
- 2. Mr. Vishwanath Tamrakar, Assist. Prof. & Head Department of Computer Science, Govt. Sant Guru Ghasidas P.G. College Kurud, Dist-Dhamatari (C.G.)
- 3. Dr. Ambarish Kumar Patel, Head, Department of Computer Science, Kruti School of Business Management. Raipur (C.G.)
- 4. Dr. Kiranbala Dubey, Assist. Prof. & Head, Department of Computer Science, Govt. N.P.G. College of Science, Raipur (C.G.)
- 5. Mr. Mahendra Kumar, Assist. Engineer, CSPGCL, Danganiya, Raipur (C.G.)
- 6. Mr. Karunakar Batta, Co-Founder Digital Entrepreneur, M.S. Computer Science, BITs Pilani

Enclosure -4
Time Table Including Dates of internal assessments

S.N.	Date	Exam	Marks	Time
1	25/9/2021	Seminar (Batch-1)	20	8:00 AM To
	27/9/2021	Seminar (Batch -2)	20	11:00 AM
2	27/9/2021	Assignment Submission	10	
3	28/9/2021	Test (Through Google form)	50	10:00AM To 11:00 AM
4	29/9/2021	Practical Exam (Batch-1)	20	8:00 AM To 11:00 AM
	30/9/2021	Practical Exam (Batch-2)		8:00 AM To 11:00 AM
	Total Ma	100		

#### Minutes of IQAC meeting held on 26.08.2021

In context to the letter no. 1845 dated 23.08.2021 from Directorate of higher education, Govt. of Chhattisgarh, a meeting of IQAC was held on 26.08.2021 (Thursday) in the principal chamber.

#### Agenda: -

Discussion on Value Added Courses.

Members present: -

Dr. Vinod Sharma – Principal (Chairman)

Shri K K Sharma – Assistant professor of Botany (Member)

Dr. Sushama Mishra- Assistant professor of English (Member)

Dr. Nidhi Dewangan- Assistant professor of Mathematics (Member)

Dr. C L Sahu- Assistant professor of Hindi (Member)

Dr. Sunita Dubey- Assistant professor of Commerce (Member)

Dr. Rashmi Kujur- Assistant professor of Sociology (Member)

Dr. Sanjay Singh- Assistant professor of Commerce (Member)

Ku. Aditi Rani Bhagat- Assistant professor of Commerce (Member)

Kalpana Pandey- Assistant professor of Hindi (Member)

Dr. G Nag Bhargavi- Assistant professor of Physics (Co-ordinator)

#### Minutes of the meeting: -

- 1. Co-Ordinator has discussed the about the above-mentioned letter in detail with the members who were present. In order to develop kill
- 2. All the members gave their consent to start the value-added courses.
- 3. Heads from each faculty presented the proposal of value-added course in the meeting.
- 4. Some major decisions taken by the members-
  - In each course a maximum of 30 students per batch will be entertained. In case of applicants more than 30 for a course, than accordingly 2 or 3 batches (each of 30 students) will be made.
  - A student can join only one course at a time.
  - Classes will be conducted in both offline (practical sessions) and online mode (theory).
  - The timings of conduction of classes (Value added course) will not affect the regular classes which are scheduled according to the time table.
  - Honorarium given to the speakers for invited lectures will be Rs. 1000/- per lecture.
  - Registration fee of Rs. 200/- will collected from each student regardless of the course.
  - The selection of students (30 per batch) will be made on the basis of **first come first serve**.
  - All the rules of COVID-19 will be followed during offline classes.
  - Alumni can all participate in these courses.
- 5. All the members are advised to submit their proposal containing details of syllabus, number of students, list of experts and budget to IQAC on or before 15.9.2021.

Dr. G Nag Bhargavi

Thangon

Co-Ordinator

Dr. (Smt.) Vinod Sharma

Shareno

Principal Principal

Govi Shyamacharan Shukla College Shankar Nagar) Dharsiwa Raipur (C.G.)



### कार्यालय प्राचार्य, शासकीय पं. श्यामाचरण शुक्ल महाविद्यालय धरसींवा, रायपुर (छ.ग.)

E.mail Id- dharsiwacollege1989@gmail.com Web site- www. gpssc.in contact No. 9893119114

क्रमांक / / 2021

धरसींवा, दिनांक

## Report of Value Added Course on "Computer Software Development Skills"

#### From 06.09.2021 To 30.09.2021

In Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur (C.G.), Department of commerce and Department of Mathematics started a Value Added Course of 30 hours from 06.09.2021. Department of Mathematics organized a Value Added course on "Computer Software Development Skills" from 06/09/2021 to 30/09/2021 with 30 students. On 06/09/2021 the first day of value added course during the inaugural session Principal, Dr. Vinod Sharma mam gave best wishes to all the participants and staff members in her welcome address. As a chief guest Mrs. Chandan Sanjay Tripathi, IAS appreciates this initiative and gave the best wishes for this course. Also tell the students about the importance of this course. After that Course Co-ordinate gave the brief of this value added course. Since Other Departments of College are also going to start the other values added course, they also gave the brief of their course in the inaugural. Session was chaired by Dr. Sushma Mishra and vote of thanks is delivered by Dr. Rashmi Kujur.

### अमृत संदेश



#### वैल्यू एडेड कोर्स का शुभारंभ धरसींवा। दिनांक 06.09.2021 को शास. पं. श्यामाचरण शुक्ल

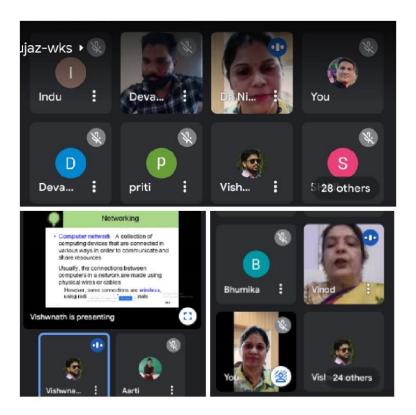
धरसावा। दिनाक 06.09.2021 को शास. प. श्यामाचरण शुक्ल महाविद्यालय धरसींवा में छात्र-छात्राओं को कौशल आधारित एवं रोजगार मूलक शिक्षा प्रदाय करने के उद्देश्य से वैल्यू एडेड कोर्स का शुभारंभ किया गया। उद्घाटन कार्यक्रम ऑनलाईन माध्यम से श्रीमित चंदन संजय त्रिपाठी, भारतीय प्रशासिनक सेवा, अपर संचालक, उच्च शिक्षा, छत्तीसगढ़ शासन के मुख्य आतिथ्य में सम्पन्न हुआ। मुख्य अतिथि द्वारा वैल्यू एडेड कोर्स की महत्ता और उपयोगिता को बहुत ही प्रभावशाली ढंग से छात्र-छात्राओं को प्रदान किया गया। कामर्स विभाग द्वारा टेली लेवल-1 एवं पी. जी. डी.सी.ए. विभाग द्वारा कम्यूटर प्रोग्रामिंग विषय पर कोर्स प्रारंभ किया गया एवं कला एवं विज्ञान संकाय द्वारा भी आगामी दिनों में कोर्स प्रारंभ किया जाना प्रस्तावित है। कोर्स समन्यक द्वारा कोर्स से संबंधित जानकारी प्रदान की गई। कार्यक्रम में महाविद्यालय की प्राचार्य डॉ श्रीमती विनोद शर्मा द्वारा भी छात्र-छात्राओं का मार्गदर्शन किया गया कार्यक्रम में समस्त प्राध्यापक, सहायक प्राध्यापक कोर्स ट्रेनर, मीडिया एवं पंजीकृत 100 से अधिक छात्र-छात्राएं उपस्थित रहें।



On the first day of the course, the class has been taken online through Google Meet. The basic concepts of the software have been introduced to the students by course handling faculty Mr. Devashish Pradhan. To achieve the goal of this course classes have taken in blended (online/offline) mode and Invited talks were also organized during the course.

Date: - 20/09/2021

In the Context of Experts Lectures, lectures are organized from 20.09.2021. As a subject expert Prof. Vishwanath Tamrakar, Asst. Prof. & Head, Department of Computer Science from Sant Guru Ghasidas Govt. P. G. College, Kurud, Dist- Dhamtari (C.G.) has delivered an invited talk on the topic "Computer Networking" on 20.09.2021.

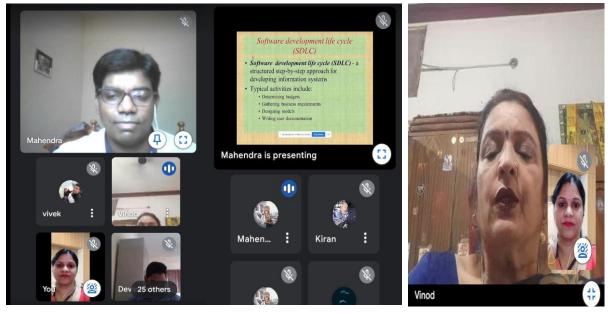


In this Sequence, the next lecture has been organized on 21.09.2021 and as a subject expert Mrs. Yogeshwary Pal, Asst. Prof. & Head, Department of Information Technology, Govt. Nagarjuna P.G. College of Science, Raipur(C.G.) is invited. She has delivered on the topic "SQL & PL/SQL".

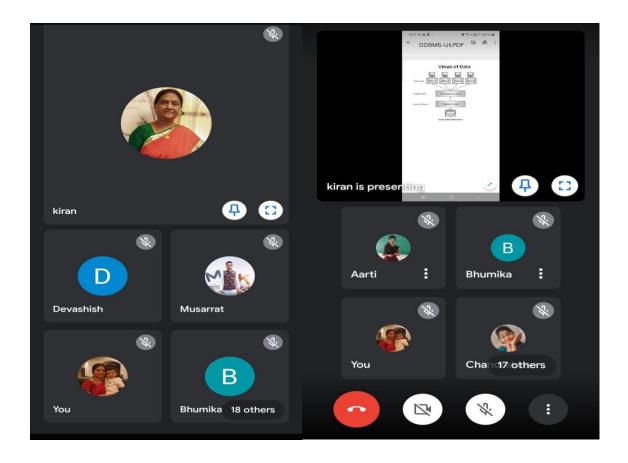




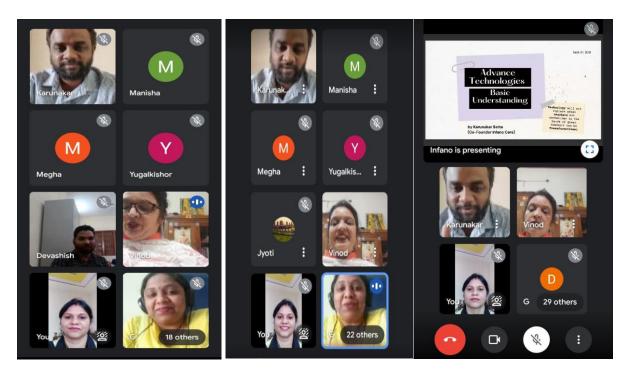
The next lecture is based on Software development phase. The basics of software development skills are discussed by our subject expert Mr. Mahendra Kumar, Asst. Engineer, MIS, IT Department, CSPGCL, Raipur (C.G.) on 22.09.2021. He has delivered an invited talk on the topic "Software Development Life Cycle (SDLC)".



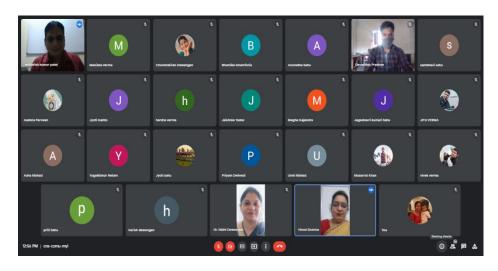
In this lecture series, the next lecture is delivered by our subject expert Mrs. Kiran Bala Dubey, Asst. Prof. & Head, Department of Computer Science, Govt. Nagarjuna P.G. College of Science, Raipur(C.G.) on the topic "Database Management System(DBMS)" on 22.09.2021.



One more lecture in this sequence has organized on 24.09.2021. As a subject expert Mr. Karunakar Batta, Digital Entrepreneur, Founder of Infano Care-A Digital Platform for Women Health, Bangalore has delivered an invited lecture on the topic "Advanced Technology: Basic Understanding". He has discussed about cloud computing.



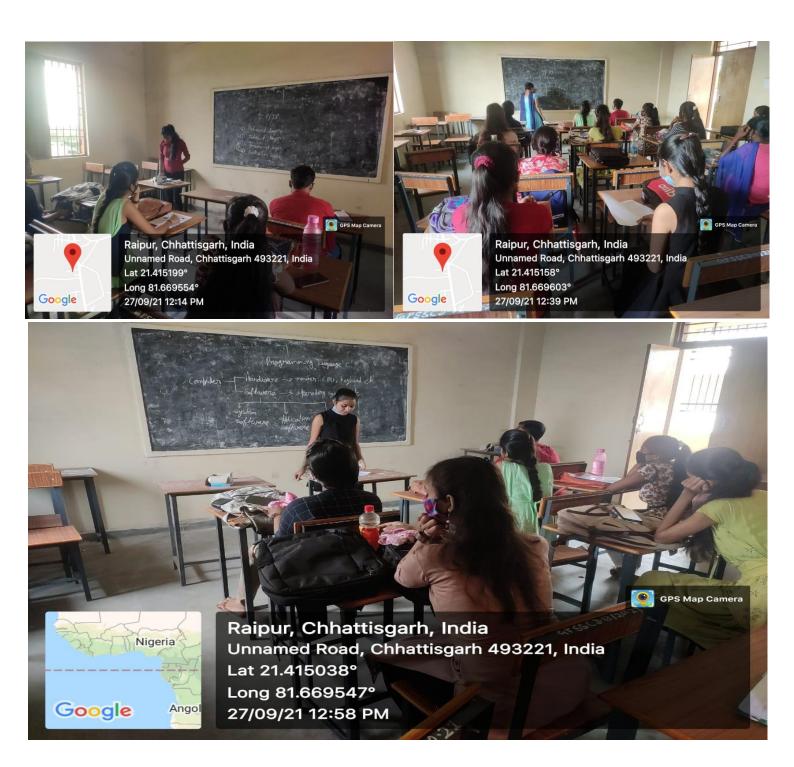
The last invited lecture were organized on 29/09/2021. In this lecture student has learned about the coding technique & programming language by our subject expert Dr. Ambarish Kumar Patel, Assist. Prof. & Head Department of Computer Science, Kruti School of business Management, Raipur (C.G.).





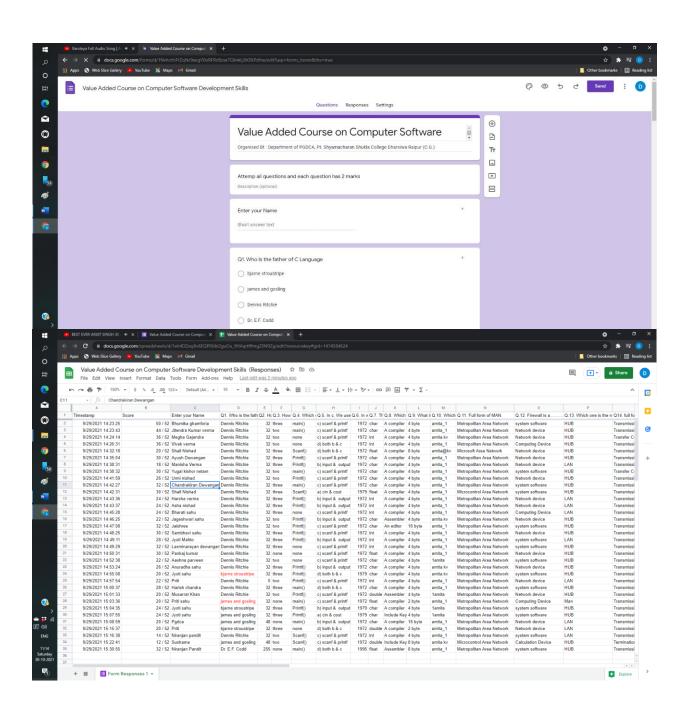
## Seminar

Seminar: After the completion of syllabus of Value Added Course, Class-seminar has organized for the students, for which the topics were distributed to all the students. They presented their seminar in the presence of course coordinator and trainer. Also the Assignments have submitted by the students.



# Examination

Exam: After the Class-Seminar of Value Added Course, assignment submission and Practical exam have conducted offline and multiple choice question based exam has been conducted online through Google Form. The students were examined out of 100 marks, in which 50 marks for online exam and 50 marks for class seminar, assignment submission and practical exam. The participation, performance and score of all the students was commendable.



#### Valedictory:

Valedictory: Valedictory of value added course had been organized offline/online on 8 October 2021. As a chief guest of this valedictory session Mr. Vinod Pillai, the director of Heera Group and as a special guest Mr. Atul Singh, Director cum member, secretary-JSS, Raipur and Mr. Durgesh Verma, President, Janbhagidari Committee addressed the students under the chairmanship of the principal Dr. (Smt.) Vinod Sharma. On this session the report of value added course was given by the course coordinator and the certificates have distributed to all the students by the Principal of our college and by our guest. At the end of the session Feedback of the value added course also given by the students.











Dewangan

Dr. Nidhi Dewangan Course - Coordinator

Dr. Nidhi Dewangan Asst. Prof. (Maths) Govt. Pt. Syamacharan Shukla College Dharsiwa, Raipur (C.G.) VShareno Da Vina I Chamas

Dr. Vinod Sharma Principal

Principal

Govi D Shyamacharan Shukla College

Shankar Nagar) Dharsiwa Raipur (C.G.)