



**Office of the Principal**  
**Government Holkar (Model Autonomous) Science College, Indore (M.P.)**

Contact No. 0731-2464074, 2446806, 2764027 (Exam)

E-mail: [principalhsc@rediffmail.com](mailto:principalhsc@rediffmail.com), Web Address: [www.collegeholkar.org](http://www.collegeholkar.org)  
(Re-accredited 'A' Grade by NAAC)

**CERTIFICATE**

This is to certify that the following value-added courses were conducted by Govt. Holkar (Model Autonomous) Science College, Indore. These courses were optional and offered outside the curriculum of the main programme.

| S. No. | Name of the course/programme                                                    | Year of offering | Contact hours of course | Number of students enrolled in the year |
|--------|---------------------------------------------------------------------------------|------------------|-------------------------|-----------------------------------------|
| 1      | Organic Farming (Department of Botany)                                          | 2021-2022        | More Than 30 Hours      | 24                                      |
| 2      | Mushroom Cultivation and its Marketing (Department of Botany)                   | 2021-2022        | More Than 30 Hours      | 24                                      |
| 3      | Application of Tools & Techniques in biology (Department of Zoology)            | 2021-2022        | More Than 30 Hours      | 95                                      |
| 4      | Role Of Investigating Officer in Crime SCENE (Department of Forensic Science)   | 2021-2022        | More Than 30 Hours      | 36                                      |
| 5      | Application of statistics in biosciences (Deptt. of biochemistry)               | 2021-2022        | More Than 30 Hours      | 75                                      |
| 6      | Human Impact on Air Environment (Department of Microbiology)                    | 2021-2022        | More Than 30 Hours      | 50                                      |
| 7      | An Introduction to Drugs & Medicine (Department of Pharma Chemistry)            | 2021-2022        | More Than 30 Hours      | 117                                     |
| 8      | Basic Programming with Python (Department of Electronics)                       | 2021-2022        | More Than 30 Hours      | 58                                      |
| 9      | Robotics (Department of Electronics)                                            | 2021-2022        | More Than 30 Hours      | 15                                      |
| 10     | Fabrication and Maintenance of Laboratory Equipment (Department of Electronics) | 2021-2022        | More Than 30 Hours      | 8                                       |
| 11     | Value Addition Course on Nursery Management (Department of Horticulture)        | 2021-2022        | More Than 30 Hours      | 36                                      |
| 12     | Value Added Course on Professional Ethics (Dept. of English)                    | 2021-2022        | More Than 30 Hours      | 1111                                    |
| 13     | Arduino (Dept. of Physics)                                                      | 2021-2022        | More Than 30 Hours      | 18                                      |
| 14     | Fundamental of GIS using open-source software (Deptt. of Geology)               | 2021-2022        | More Than 30 Hours      | 19                                      |
| 15     | Analytical aspects of chemistry for industry (Deptt. of Chemistry)              | 2021-2022        | More Than 30 Hours      | 317                                     |
| 16     | Synthesis and Characterization of Materials (Dept. of Physics)                  | 2021-2022        | More Than 30 Hours      | 12                                      |





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|    |                                                                                                                     |           |                    |     |
|----|---------------------------------------------------------------------------------------------------------------------|-----------|--------------------|-----|
| 17 | French Language Course (Deptt. Of English)                                                                          | 2021-2022 | More Than 30 Hours | 55  |
| 18 | Nursery Management of Medicinal Plants (Department of Botany)                                                       | 2021-2022 | More Than 30 Hours | 13  |
| 19 | Web Development Certificate Course                                                                                  | 2021-2022 | More Than 30 Hours | 25  |
| 20 | Application of statistics in biosciences (Deptt. of biochemistry)                                                   | 2020-2021 | More Than 30 Hours | 33  |
| 21 | Fundamental of GIS using open-source software (Deptt. of Geology)                                                   | 2020-2021 | More Than 30 Hours | 25  |
| 22 | Wildlife certificate course (Deptt. of Zoology)                                                                     | 2020-2021 | More Than 30 Hours | 46  |
| 23 | Applied Zoology (Deptt. of Zoology)                                                                                 | 2020-2021 | More Than 30 Hours | 99  |
| 24 | Questioned Documents (Deptt. of Forensic Science)                                                                   | 2020-2021 | More Than 30 Hours | 138 |
| 25 | Analytical aspects of chemistry for industry (Deptt. of Chemistry)                                                  | 2020-2021 | More Than 30 Hours | 284 |
| 26 | Soft skill (Deptt. of Botany)                                                                                       | 2020-2021 | More Than 30 Hours | 13  |
| 27 | Molecular and Computational Biology                                                                                 | 2020-2021 | More Than 30 Hours | 52  |
| 28 | Renewable Energy and Energy Efficiency & Conservation – Technologies, Applications, Approaches, Trends and Policies | 2020-2021 | More Than 30 Hours | 30  |
| 29 | Food Manufacturing and Processing (Swami Vivekanand career Guidance cell)                                           | 2020-2021 | More Than 30 Hours | 28  |
| 30 | E-Commerce and Online Banking (Swami Vivekanand Career Guidance)                                                    | 2020-2021 | More Than 30 Hours | 14  |
| 31 | Animal Husbandry and Poultry, Sericulture and fisheries (Swami Vivekanand career Guidance cell)                     | 2020-2021 | More Than 30 Hours | 9   |
| 32 | Solar Energy plant Maintenance and marketing (Swami Vivekanand career Guidance cell)                                | 2020-2021 | More Than 30 Hours | 14  |
| 33 | Advance Agricultural skills (Swami Vivekanand career Guidance cell)                                                 | 2020-2021 | More Than 30 Hours | 14  |





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|    |                                                                                                              |           |                    |      |
|----|--------------------------------------------------------------------------------------------------------------|-----------|--------------------|------|
| 34 | Taxation-IT and GST returns filling (Swami Vivekanand career Guidance cell)                                  | 2020-2021 | More Than 30 Hours | 7    |
| 35 | Weaves, block printing and textile manufacturing (Swami Vivekanand career Guidance cell)                     | 2020-2021 | More Than 30 Hours | 2    |
| 36 | Journalism and translation work (Swami Vivekanand career Guidance cell)                                      | 2020-2021 | More Than 30 Hours | 7    |
| 37 | Tourism and Travel Management (Swami Vivekananda career Guidance cell)                                       | 2020-2021 | More Than 30 Hours | 2    |
| 38 | Advance Agro Techniques for Entrepreneurship Development (Department of Botany)                              | 2019-2020 | More Than 30 Hours | 28   |
| 39 | Health and Nutrition" (Students) (Dept. of Biochem. & Career Guidance Cell)                                  | 2019-2020 | More Than 30 Hours | 38   |
| 40 | Instrumentation Techniques (Dept. of Chemistry & Pharma. Chem.)                                              | 2019-2020 | More Than 30 Hours | 47   |
| 41 | Basic Programming with Python (Department of Electronics)                                                    | 2019-2020 | More Than 30 Hours | 36   |
| 42 | Embedded System Design Based on Arduino (Dept. of Electronics)                                               | 2019-2020 | More Than 30 Hours | 20   |
| 43 | Computer Hardware, Equipment Repairing & Fabrication (Dept. of Electronics & Career Guidance Cell)           | 2019-2020 | More Than 30 Hours | 43   |
| 44 | Value Added Course on Cambridge Assessment English (Dept. of English)                                        | 2019-2020 | More Than 30 Hours | 96   |
| 45 | Value Added Course on Entrepreneurship Development (Dept. of English)                                        | 2019-2020 | More Than 30 Hours | 1000 |
| 46 | Value Added Course on English Communication (Dept. of English)                                               | 2019-2020 | More Than 30 Hours | 1065 |
| 47 | Mobile Repairing and DTH Installation & TV Repairing (Department of Electronics & Career Guidance Cell)      | 2018-2019 | More Than 30 Hours | 32   |
| 48 | Tissue Culturing of Medical Plants and Organic Farming" (Department of Biotechnology & Career Guidance Cell) | 2018-2019 | More Than 30 Hours | 55   |
| 49 | Computer Hardware & Networking (Dr. Sanjay & Expert Team)                                                    | 2018-2019 | More Than 30 Hours | 29   |

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|----|--------------------------------------------------------------------------------------------|-----------|--------------------|-----|
| 50 | Chem-Informatics and Biophysical Techniques (Dept. of Chemistry + Bio. Tech. & Bio. Info.) | 2018-2019 | More Than 30 Hours | 100 |
| 51 | Understanding Physics using Computer Software (Dept. of Physics)                           | 2018-2019 | More Than 30 Hours | 30  |
| 52 | Applied Zoology for Entrepreneurs (Dept. of Zoology)                                       | 2018-2019 | More Than 30 Hours | 30  |
| 53 | Bioinformatics Analysis from Genomics to Proteomics (Dept. of Biotechnology)               | 2018-2019 | More Than 30 Hours | 29  |
| 54 | Web Development (Dept. of Computer Science)                                                | 2018-2019 | More Than 30 Hours | 29  |
| 55 | Programming and Problem Solving Through Python (Dept. of Computer Science)                 | 2018-2019 | More Than 30 Hours | 28  |
| 56 | Food Adulteration: Legal Aspects and Complaint Redressal System (Dept. of Chemistry)       | 2018-2019 | More Than 30 Hours | 31  |
| 57 | Soap and Detergents: Entrepreneurial Context (Dept. of Chemistry)                          | 2018-2019 | More Than 30 Hours | 30  |
| 58 | Value Added Course on Communication Skills (Dept. of English)                              | 2018-2019 | More Than 30 Hours | 23  |
| 59 | Understanding Physics using Computer Software (Dept. of Physics)                           | 2017-2018 | More Than 30 Hours | 29  |
| 60 | Applied Zoology for Entrepreneurs (Dept. of Zoology)                                       | 2017-2018 | More Than 30 Hours | 28  |
| 61 | Molecular Techniques and Molecular Modelling (Dept. of Biotechnology)                      | 2017-2018 | More Than 30 Hours | 24  |
| 62 | Web Development (Dept. of Computer Science)                                                | 2017-2018 | More Than 30 Hours | 30  |
| 63 | Programming and Problem Solving Through Python (Dept. of Computer Science)                 | 2017-2018 | More Than 30 Hours | 30  |
| 64 | Food Adulteration & Its Detection (Dept. of Chemistry)                                     | 2017-2018 | More Than 30 Hours | 29  |

These courses were designed to provide additional skills and knowledge to the students, enhancing their overall development and making them more competitive in their respective fields.



  
**Principal**  
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Science College, Indore

**Bhawarkuan, A. B. Road, Indore, Madhya Pradesh, 452001**