


Proforma for Faculty Profile

1			
2	Name	Er. Dileep Kumar Verma	
3	Date of birth	Date	Month Year
		23	05 1981
4	Designation	Assistant Professor (Computer Science & Engg.)	
5	College Department	B.S.Dr.B.R.A. College of Agril. Engg. & Technology Etawah FACULTY OF ENGINEERING & TECHNOLOGY OF C.S.A. UNIVERSITY OF AGRICULTURE & TECHNOLOGY KANPUR-208002	
6	Contact Info.	Office Details	Personal Details
		Phone 05688 254720	Phone---
		Mobile:	Mobile:7417171401
		Email :caet1994@gmail.com	
		Email:er.dileepverma@gmail.com	
7	Year of joining at CSAUA&T	Date	Month Year
		18	11 2009
8	Date of last promotion	Date	Month Year
		18	11 2015
	Date of Next Promotion for Senior scale	18	11 2020
9	Responsibilities assigned	Teaching	60%
		Research	15%
		Extension	5%
		AICRP	
		Others (specify)	20%
10	Awards received	National	
		Name	Agency Year
		-----None-----	
		International	
		Name	Agency Year
		-----None-----	
		-	

11	Publications since joining CSAUA&T (give numbers only)	Books:00 Technical Bulletins:06 Research Papers:07 National:02 Popular articles:01 Others (specify):02
12	Books published	-----None-----
13	Technical bulletins published	Title Authors Publisher Year of Publication -----None-----
14	List of ten best papers published in National Journals (>5 NAAS rating Journals) during last 10	Title/Volume/Year Authors Name of Journal NAAS Rating
15	List of ten best papers published in National Journals (>3 NAAS rating Journals) during last 10	Title/Volume/Year Authors Name of Journal NAAS Rating ❖ The Security Aspects in Designing Vehicular Clouds-A Survey in TIMS from “ Department of CSE, CAET Etawah ❖ Role of ICT in Agripreneurship and Rural development published in International Journal of Recent Scientific Research ISSN:0976-3031 Volume:7, Number:7, July-2016 Page 12270-12276
16	List of ten best publication in International Journals during last 10 years (ISI impact factor)	❖ The Security Aspects in Designing Vehicular Clouds-A Survey in TIMS from “ Department of CSE, CAET Etawah ❖ Role of ICT in Agripreneurship and Rural development published in International Journal of Recent Scientific Research ISSN:0976-3031 Volume:7, Number:7, July-2016 Page 12270-12276

		<ul style="list-style-type: none"> ❖ A Study of Use of Information Technology and Computerization in Higher Educational Institutions in Pune City published in A Multidisciplinary International Peer Reviewed/ Refereed Journal ISSN: 2319-7129, Volume: IX, Number: 2, January 2018 Page 261-266 ❖ Teaching E-learning with ICT at Primary Level published in A Multidisciplinary International Peer Reviewed/ Refereed Journal ISSN: 2319-7129, Volume: IX, Number: 3, January 2018 Page 1-15 ❖ Computer Science Research in India published in A Multidisciplinary International Peer Reviewed/ Refereed Journal ISSN: 2319-7129, Volume: IX, Number: 2, January 2018 Page 267-271 ❖ Impact of ICT on Education: Challenges and Perspectives published in An International Journal of Education & Humanities ISSN:2277-2405 Volume:XVI, Number:1, March-2018 Page 25-29 ❖ Er.Dileep Kumar Verma, Dr Rajeev Singh, Er.M.A.Hussain, Dr.M.K.Singh (2021) "Role of Training Organizations in Rural Development" International Research Journal of Engineering and Technology (IRJET) Vol:08 Issue:05 Page 4605-4610
17	Attended The National/ International Webinar at CAET, Etawah	<ul style="list-style-type: none"> ❖ "Role of technology in dissemination of professional education during present scenario" organized on dated 02. July 2020. ❖ "New Education Policy 2020" organized on dated 27.11.2020 ❖ " Environment: Green Earth Silent Spring" organized on dated 19.12.2020
18	National/ International Webinar	<ul style="list-style-type: none"> ❖ "Bridging the digital device in India: Some Challenges and opportunities" organized on dated 23-24 May 2020. Organized by Aadinath College of Education, Lalitpur ❖ "Digital initiatives in higher education"

		<p>organize on dated 10 Jun 2020. Organized by Digital Edu. Deptt. BACE, Lalitpur.</p> <ul style="list-style-type: none"> ❖ “Usages and role of science & technology for peace” organized on dated 14 Jun 2020. Organized by Aadinath College of Education, Lalitpur ❖ “Good manufacturing practices” organized on dated 22 July 2020. Organized by Raja Balwant Singh Engg. Tech. Campus Agra. ❖ “Women Empowerment in Modern Social Environment” on dated 24 Oct 2020 organized by Chandra Shekhar Azad University of Agriculture & Technology, Kanpur 						
19	Certificate of Achievement	<ul style="list-style-type: none"> ❖ MySQL on dated 23 Jun 2020 By GUVI. ❖ The Complete Cyber Security Course : Hackers Exposed on 1 Jul 2020 by UDEMY ❖ Critical Thinking – Future of Learning on 18 Jun 2020 by Faculty of Education 						
20	Membership of the Professional Societies	-----None-----						
21	Conference/Seminar/Symposium attended in the last 10 years (Name/Place/Year)	-----None-----						
22	Conference/Seminar/Symposium organized as President/Co-ordinator/Secretary (Name/Place/Year)	Co-ordinator BARE-2016 at CAET Etawah						
23	Foreign Countries visited	<table border="0"> <thead> <tr> <th>Country</th> <th>Year</th> <th>Purpose</th> </tr> </thead> <tbody> <tr> <td>1.-----None-----</td> <td></td> <td></td> </tr> </tbody> </table>	Country	Year	Purpose	1.-----None-----		
Country	Year	Purpose						
1.-----None-----								
24	Training Organized in the last 5 years	One						
25	Training attended in the last 5 years	Three						
26	Externally funded projects handled (Title/Agency/Duration/Amount)	None						
27	List of Current research projects	<table border="0"> <thead> <tr> <th>Name</th> <th>Funding Agency</th> <th>Amount Sanctioned</th> </tr> </thead> <tbody> <tr> <td>-----None-----</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Funding Agency	Amount Sanctioned	-----None-----		
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-----None-----								
28	Patents held	<table border="0"> <thead> <tr> <th>Title/Year</th> </tr> </thead> <tbody> <tr> <td>-----N.A.-----</td> </tr> </tbody> </table>	Title/Year	-----N.A.-----				
Title/Year								
-----N.A.-----								
29	Varieties/Technologies developed in the last 10 years	-----None-----						

30	Significant contributions in the area of specialization (not more than 5)	<ul style="list-style-type: none"> ❖ Worked as Programme Officer in Charge National Service Scheme of the College by the University administration during year 2014 to till now ❖ Incharge, Computer Science & Egg. ❖ Anti Ragging Committee Member during year 2011 to till now ❖ Nodal Officer of NIC (National Informatics Center) during year 2013 to till now. 									
31	Participation in the college/university building activities	<ul style="list-style-type: none"> ❖ Worked as Hostel Warden (Boys) during year 2011 to till now 									
32	Resource generated during last 5 years	<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">Years</td> <td style="width: 25%;">Amount (in Lakh)</td> <td style="width: 50%;">Scheme</td> </tr> <tr> <td>2012-20</td> <td></td> <td>Teaching of Management related Courses in B.Tech. Mech. Engg.,E.C. Engg & C.S. Engg. running under Self finance Scheme</td> </tr> <tr> <td></td> <td></td> <td>Self finance Scheme</td> </tr> </table>	Years	Amount (in Lakh)	Scheme	2012-20		Teaching of Management related Courses in B.Tech. Mech. Engg.,E.C. Engg & C.S. Engg. running under Self finance Scheme			Self finance Scheme
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		Self finance Scheme									
33	Any other significant academic/research achievement	Paper Setter and Evaluator of Management courses of B. Tech. Courses of GBTU Lucknow.									


 Signature

Date 17.07.2021

Dr. B.R.A. College of Agril. Engg. & Tech., Etawah

Computer Science & Engg. Department

Blue Print for National Education Policy – 2020 Implementation

Offer short term courses for certificate

Sr. No.	Course Name	2020-21	Proposed 2021-22	Duration
1.	Principles of C Programming	NIL	Provide Courses	3 Months
2.	C++ Programming	NIL	Provide Courses	3 Months
3.	Hyper Text Markup Language (HTML)	NIL	Provide Courses	3 Months
4.	MySQL	NIL	Provide Courses	3 Months
5.	Networking	NIL	Provide Courses	3 Months
6.	Introduction of Computer Hardware & Installation	NIL	Provide Courses	3 Months

Course Contents

1. Principles of C Programming (3 Months)

Introduction to Programming, Web Software Categories of Programming Languages: Machine Level Languages, Assembly Level Languages , High Level Languages Programming Design, Features of C and its Basic Structure, Simple C programs, Constants, Integer Constants, Real Constants, Character Constants, String Constants, Backslash Character Constants, Concept of an Integer and Variable, Rules for naming Variables and assigning values to variables, Arithmetic Operators, Unary Operators, Relational and Logical Operators, The Conditional Operator, Library Functions, Bitwise Operators, The Increment and Decrement Operators, The Size of Operator, Precedence of operators, Floating-point Numbers, Converting Integers to Floating-point and vice-versa, Mixed-mode Expressions, The type cast Operator, The type char, Keywords, Character Input and Output, Formatted input and output, The gets() and puts() functions, Interactive Programming, The goto statement, The if statement, The if-else statement, Nesting of if statements, The conditional expression, The switch statement, The while loop, The do...while loop, The for loop, The nesting of for loops, The break statement and continue statement, Null pointers, Pointers and Strings, Pointers and two-dimensional arrays, Arrays of Pointers.

2. C++ Programming (3 Months)

Object-Oriented Fundamentals, Programming Paradigms, Conquering Complexity, C++ Basics, Built-in Types, Arrays and Pointers, Comments, Keywords, I/O Streams, Built-in Operators and Control

Constructs, Dynamic Free Store Operators, C++ Functions, Definition and Prototypes, Inline Functions, Structures and References, Encapsulation, Data Members, Member Functions, Private and Public Constructors and Destructors, Default Arguments, Storage Allocation and Deallocation, this Pointer Copy Constructors, Overloading Functions, Overloading Operators, Unary and Binary Operators, , Inheritance, Public Inheritance and Subtyping, Base and Derived Classes, Constructors and Destructors Base Class Initialization, Virtual Functions, Base Class Pointers and References.

3. Hyper Text Markup Language (HTML) (3 Months)

Introduction to HTML5 and Web Design, How to Create a Simple Web Page, How to Format Your Text, Adding Web Links and Images, Creating Tables, Forms, Adding Styles and Classes to Your Web Pages, Borders, Backgrounds, and Floating Divs, Building Web Page Layouts with CSS, HTML5 – What Is It?, Adding Videos and Graphics with HTML5, HTML5 and CSS3 – Fonts and Effects, Introduction to Responsive Web Design with CSS3 and HTML5, Drawing with the Canvas Tag, Summary of New Elements and How to Use Them

4. MySQL (Structured Query Language) (3 Months)

Introduction, Database Fundamentals, Database Normalization, MySQL Overview, MySQL Software, The MySQL Features, Installing & Configuring a MySQL Server, Using MySQL Clients, Using the mysql Client, Using mysqlimport & mysqldump, Checking Tables for Consistency, Other MySQL Clients, Using SHOW and DESCRIBE, Understanding MySQL Storage, Data Definition Language, MySQL Data Types, The SELECT Statement, SQL Expressions and Functions, Updating Tables Using SQL, Joins, Importing and Exporting Data.

5. Networking (3 Months)

Basics of layered network protocols and compare the two primary reference models: OSI and TCP/IP, Inspect a structured cabling system, including the proper use and installation of UTP and fiber optic cables, Configure a workstation to connect to a network, Ethernet operations and the use of VLANs by examining the configuration and operation of switches on a network, Spanning Tree operation as a method of eliminating broadcast storms on a switched network, Configure a Wi-Fi router for operation on a SOHO network, including security, SSID, and Wi-Fi channel, Various IP addressing considerations, including binary to decimal conversion, dotted decimal notation, classful vs. classless addressing, private vs. public addresses, and the use of network masking, Create a subnet for a small network, selecting the correct masks for various situations to accommodate the current number of hosts in each subnet and to also allow for future growth, Operation of various TCP/IP protocols on a network, including connectionless and connection-oriented communications using UDP and TCP, translation between private and public addresses using NAT, and support protocols such as ARP, DNS, and DHCP, Router configurations to determine the function of various routing protocols, including RIP, IGRP, and OSPF, within and between networks, Various WAN technologies, including circuit switched solutions such as leased lines and packet switched solutions such as Carrier Ethernet, and determine the best WAN connectivity solution for a given corporate network, Use a protocol analyzer to capture and view network traffic, including e-mail, instant message exchanges, and web transactions, Basic network security implementations by testing the impact a router that has been configured as a firewall has on the flow of traffic through a network, Research the suitability of popular anti-malware suites for mitigating network security threats, Research Mobile Device Management (MDM) solutions to support BYOD deployments

6. Introduction of Computer Hardware & Installation (3 Months)

Computer history, computer block diagram, Motherboard, Memory, Microprocessor, Storage devices, Peripheral devices and SMPS, BIOS, PC maintenance and its schedule, assembling and disassembling of computer, Importance of operating system, File system, Windows system, windows GUI interface, storage management, User account management, Backup and recovery, troubleshooting, virus and antivirus, introduction to Linux,