



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

A-4, Paschim Vihar, New Rohtak Road, New Delhi-110065

Old Friends, New Memories!

ALUMNI MEET 2023

Join Us!



**13TH MAY' 2023
10 AM ONWARDS**



**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING,
NEW DELHI**

Shanmug

PRINCIPAL
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College of Engineering
A-4, Paschim Vihar,
New Delhi-63



Alumni Meet 2023



Left: Mr. Gurmurat Singh felicitated by Prof. (Dr.) Dharmender Saini (Principal, BVCOE ND). **Right:** Distinguished Alumni Felicitation by HoDs and Deans

Alumni Meet 2023 was organized on 13th May 2023 in the college's auditorium from 2 PM onwards. The meet started traditionally with the lighting of lamp by the chief guest, Principal, HODs and Deans. The event was organized by Dr. Neeraj Kumar (Assistant Professor, EEE Department). The event witnessed a music performance by the famous music band 'Kashh'. Around 170+ alumni joined us for this event. Alumni from 2005 batch to 2022 batch were present. The event started with registration of the alumni and departmental visit. At 12:00 noon, lunch was arranged in the green circle. Principal, BVCoE addressed the gathering. This was followed by a speech of Mr. Gurmurat Singh, a distinguished alumnus of BVCoE, currently working as a manager at Delhi Metro Rail Corporation (DMRC).

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(a)



(b)



(c)

(a) Musical performance by Kashh Band (b) Dance Performance by the students of BVCOE ND (c) Gathering inside Auditorium

A handwritten signature in blue ink, appearing to read 'Wha nenu'.

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Sno.	Name	Email	Passout Year	Branch	Phone Number	WhatsApp Number	Current Job	Current Company	Higher Education (If Any)	Remarks
1	Kunal Gupta	gettobyfe@gmail.com	2022	EEE	8447516009	8447516009	Embedded Security Software Developer	NXP Semiconductors	NA	NA
2	Sourav Rawat	souravewat160@gmail.com	2022	EEE	8076419139	8076419139	GCP Cloud Engineer	HCLTech		
3	Sourav Rawat	souravrawat160@gmail.com	2022	EEE	8076419139	8076419139	GCP Cloud Engineer	HCLTech		
4	Ajay Sharma	ajaysharma1626@gmail.com	2022	EEE	906802112	906802112	NA	Na	M.Tech NIT delhi	
5	Rahul Mahaseeth	rahul8745817920@gmail.com	2022	EEE	8745817320	8745817320	BRSA	ZS ASSOCIATES		
6	Anshika Verma	anshika17.verma@gmail.com	2022	EEE	9311430077	9311430077	Jobsless	No company	M.Tech (Nanotechnology)	
7	Anshul Tayal	anshul2610@gmail.com	2022	EEE	9773789774	9773789774	Programmer analyst trainee	Cognizant		
8	Chaitanya Chhabra	chaitanya.chhabra16@gmail.com	2022	EEE	9910068761	9910068761	Consultant	PwC		
9	Jeet Datta	jeetdatta2000@gmail.com	2022	EEE	999670505	999670505	Sr. Engineer	Bosch Ltd.		
10	Amit Kumar	amitkumar240800@gmail.com	2022	EEE	9713610539	9713610539	Project Management	Airtel		
11	Ankur Chowdhury	precdarkurotechnosys@gmail.com	2022	EEE	959934585	959934585	Advisor 1	Concentrix		
12	Dhruvi bansal	Dhruvibansal555@gmail.com	2022	EEE	8826532520	8826532520	Full stack developer	Pinaca technologies		
13	Tanmay Baweja	tanmaybaweja1999@gmail.com	2021	EEE	8920579900	8920579900	Machine Learning Engineer	Quick		
14	Sandeep Kumar	sk7768005@gmail.com	2021	EEE	8882588233	8882588233	Software developer	itusTech healthcare technology		
15	Shalini Sati	shalinisati68@gmail.com	2021	EEE	8800831493	7838966608	Decision analyst associate	Zs associates		
16	Vanshika Mittal	vanshikamittal17@gmail.com	2021	EEE	9650389754	9650389754	Business Technology Solutions Associate	ZS Associates		
17	Ravi Pandey	Pandey.ravi1999@gmail.com	2021	EEE	9773725389	9773725389	Project Engineer	Wipro		
18	PRAITHAM GARG	pratham.rocks30@gmail.com	2021	EEE	9650776820	9650776820	Business	Balaji Enterprises		
19	Shalini sati	shalinisati68@gmail.com	2021	EEE	8800831493	7838966608	DA	ZS Associates		
20	Aayushi Singh	Aayushisingh.35.1998@gmail.com	2021	EEE	7701930179	7701930179	Project control services associate	Accenture		
21	Abhilasha Bhatnagar	Abhilasha.91@gmail.com	2021	EEE	8588858897	8588858897	Business Consulting	EY India		
22	Akul Hallan	akulhallan21@gmail.com	2021	EEE	9953022134	9953022134	Business Consulting - Technology Risk	Ernst & Young LLP		
23	JATIN SAINI	jatinaini012@gmail.com	2021	EEE	9306094323	9306094323	Assistant System Engineer	TCS		
24	Vineet sharma	Vineet1998bhardwaj@gmail.com	2021	EEE	9650799080	9650799080	Software Developer	Greyorange		
25	Rajat	rajatkumarsingh69@gmail.com	2020	EEE	7982317534	7982317534	Business Owner	Prime enterprises		
26	Ayush Yadav	ayushyadav468@gmail.com	2020	EEE	8447410671	8447410671	SDE	Invgrid	M. Tech	
27	Shreyas	shreyasak28@gmail.com	2020	EEE	8377997358	8377997358	Physical Design Engineer	NXP SEMICONDUCTORS		
28	Roshan Rajdev Singh	roshanrajdev@gmail.com	2020	EEE	8130958493	8130958493	System Engineer	TCS		
29	Mohit	kadiannmohit319@gmail.com	2020	EEE	8744982047	8744982047	Software Engineer	Cognizant		
30	Lovish Kumar	hejpalovish@gmail.com	2019	EEE	886400393	886400393	Frontend developer	Algosacle		
31	Saurabh Sharma	sharma.saurabh95@gmail.com	2019	EEE	9540209378	9540209378	IT software Engineer	CoForge		
32	Shakti Kumar	shaktisharma196@gmail.com	2018	EEE	6289443049	9910894357	Imfosys	Infosys		
33	Akansha Jain	akanshajain94@gmail.com	2018	EEE	8826536535	8826536535	Data scientist	Accenture strategy		
34	Naman Sharma	naman123007@gmail.com	2018	EEE	9717473699	9717473699	Accounts Manager	ICICI Bank	MBA	
35	Mayank Madan	mayank.madan9@gmail.com	2018	EEE	9650750451	9650750451	Software Engineer	CBRE		
36	Abhishek Matlotia	abhimatlotia@gmail.com	2017	EEE	9871988765	9871988765	Management Trainee	Orient Electric	MBA IIM Udaipur	
37	Anushka Srivastava	anushka2142@gmail.com	2017	EEE	9560814604	9560814604	Senior business analyst	Evaluserve	Master in data analytics from IIT Kerala	
38	Aakash	akshyag11@gmail.com	2017	EEE	7290903906	8285348287	Senior Design Engineer	ST Microelectronics	Masters in VLSI design	
39	Kanan Madan	krikanan@gmail.com	2017	EEE	9654533255	9654533255	Director	Paul Motor Agency		
40	Shubham Baunthiyal	Zshubham201@gmail.com	2017	EEE	8745023807	8745023807	Salesforce developer	Boston Scientific		
41	Shakshi Bhardwaj	shakshibhardwaj.japna@gmail.com	2017	EEE	9136540654	9136540654	Sr. Software Engineer	Tech Mahindra		
42	Gagan Batra	Gagan.gagan95@gmail.com	2017	EEE	8860890725	8860890725	Data Analyst	EXL Service		
43	Pankaj Srivastava	Pnkjnsrvst27@gmail.com	2013	EEE	999022415	999022415	Software engineer	Royal dutch shell		
44	Harshita Garg	harshittgarg@gmail.com	2011	EEE	9940220981	9940220981	Rapid Deployment Consultant	Bayer Crop Science	MBA	
45	Rishabh Mehta	rishabh.mehta@kymon.in	2008	EEE	9818198188	9818198188	Vice President - Partner Acquisition	iNurture Education Solutions	NA	

Handwritten signatures and notes:
 - Row 1: *NA*
 - Row 2: *NA*
 - Row 3: *NA*
 - Row 4: *NA*
 - Row 5: *NA*
 - Row 6: *NA*
 - Row 7: *NA*
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 - Row 44: *NA*
 - Row 45: *NA*

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	Rahul Kumar Shrivastava	rahlshriv@gmail.com	2008	EEE	9990905299	Manager (Engineering & Design) Engineering Manager	BHEL	MBA FROM Sp Jain
46	Dheer Saraf	dheersara@gmail.com	2008	EEE	9990905299	Na	Samsung Harman	
47	Nishita Vasava Nishita KUMAR Ankush Kumar Sahil Sudhakar Singh Nishita	dheersara@gmail.com gammuralsingh@gmail.com	2022 2017	EEE ECE	9990905299 9560522444	Na Manager	Samsung Harman DMRC	

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Doc No.: BV/FR/III/015(a)

Issue No. :01

Date of Issue: 02.01.2023

External Stakeholder Feedback Form (PART A)

Please tick against the correct option:

Management Representative/Employer/Parent/Alumnus/Academician/Industry Expert

A. General Information:

Name of Company/Organization: WNS Private Limited

Name of Designated Person: ANKIT VADHERA Designation: DIRECTOR

Email ID: ankit.vadhera88@gmail.com Mobile No.: 9818545744

B. Evaluation of Vision, Mission of the Institute:

Institute		Remarks		
		1	2	3
Vision	To be an institute of excellence that provides quality technical education and research to create competent graduates for serving industry and society.			✓
Mission	M1: To impart quality technical education through dynamic teaching-learning environment. M2: To promote research and innovation activities which gives opportunities for life-long learning in context of academic and industry. M3: To build up links with industry-institute through partnerships and collaborative developmental works. M4: To inculcate work ethics and commitment in graduates for their future endeavors to serve the society.			✓

Rating Scale: 1-poor, 2- Good, 3 – Excellent

C. Evaluation of Vision, Mission of the Departments:

Department of Applied Sciences		Remarks		
		1	2	3
Vision	The department aspires to be a center of excellence in education in basic sciences and technology with ethical and social values.			✓
Mission	DM1: To provide quality education through professional, problem-driven and interdisciplinary teaching methodology. DM2: To make students sensible in terms of ethical and social values in pursuing their education.			✓

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Department of Electronics and Communication Engineering		Remarks		
		1	2	3
Vision	The department aspires to be an advanced center of learning by synergizing teaching, learning and research to produce competent engineers capable of serving the society.			✓
Mission	DM 1: To prepare graduates with sound technical knowledge and motivate them to explore emerging areas of research DM 2: To create environment for the development of research and innovation activities DM 3: To build strong relationships with industry through collaborative partnerships, student internships and research towards product development. DM 4: To instill ethical and professional values among graduates with awareness towards societal and environmental concerns.			✓
PEOs	PEO1: To produce graduates with in-depth knowledge in Electronics and Communication Engineering, who can provide professional engineering solutions in societal and environmental context PEO2: To provide graduates having self-learning abilities and effective communication skills for working as an efficient team member. PEO3: To provide graduates who are committed to professional ethics, responsibilities and standards of engineering.			✓

Department of Electrical and Electronics Engineering		Remarks		
		1	2	3
Vision	To gain and bestow contemporary technical education, and to encourage research in the electrical and electronics engineering domain, so as to produce industry-oriented and socially-responsible graduates.			
Mission	DM1: To provide quality technical education in the area of Electrical and Electronics Engineering DM2: To develop a research-based learning environment for students to help them evolve in the emerging fields of engineering DM3: To promote collaboration with academic and industry experts for familiarizing graduates with the latest technological advancements DM4: To cultivate social-responsibility in graduates for maintaining a professional outlook while exercising ethical and moral reasoning.			
PEOs	PEO1: Graduates will acquire the required domain knowledge and necessary skills to be able to interpret, analyze and solve Electrical and Electronics-based problems. PEO2: Graduates will be involved in research and development activities in consultation with industry experts to inculcate technical knowledge for successful careers in industries and/ or academia. PEO3: Graduates will understand their social and ethical responsibilities for working in a diversified environment to practice their engineering profession			

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Doc No.: BV/FR/III/015(b)
Issue No.: 01
Date of Issue: 02.01.2023

External Stakeholder Feedback Form (PART B)

Please tick against the correct option:

Management Representative/Employer/Parent/Alumnus/Academician/Industry Expert

A. General Information:

Name of Company/Organization: WNS
Name of Designated Person: ANKIT VADHERA Designation: DIRECTOR
Email ID: ankitvadh@88@gmail.com Mobile No.: 9818545747

B. Feedback for Curriculum Gap:

(Please specify any suggestions related to bridge industry-academia gap):

More focus on courses related to Digital Transformation

C. Feedback related to Industry Expectation:

(Please specify any suggestions related to advanced skill enhancement for industry readiness)

More exposure to Industry based trainings
like Big Data

Ankit Vadh
Name & Signature

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Doc No.: BV/ FR/IIH/015(c)
Issue No.:01
Date of Issue: 02.01.2023

External Stakeholder Feedback Form (PART C)

Please tick against the correct option:
Management Representative/Employer/Parent/Alumnus/Academician/Industry Expert

A. General Information:

Name of Company/Organization: WNS
Name of Designated Person: ANKIT VADHWA Designation: DIRECTOR
Email ID: ankit.vadhw@82@gmail.com Mobile No.: 9818570744

B. Evaluation of Program Effectiveness:

Sr. No.	Program Outcomes	1	2	3
1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓
2	Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.		✓	
3	Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.		✓	
4	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.			✓
5	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.		✓	
6	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			✓
7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		✓	
9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		✓	
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			✓
11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.			✓
12	Lifelong Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.			✓

Rating Scale: 1-Poor, 2-Good, 3-Excellent

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Department of Instrumentation and Control Engineering

Program Specific Outcomes (PSOs)		Remarks		
		1	2	3
PSO1	Students will learn basic concepts of Instrumentation and Control Engineering and will be able to find and apply effective and efficient real time solutions to complex engineering problems related to Instrumentation and control using latest engineering tools.			
PSO2	Students will acquire advanced knowledge and training to pursue higher education or professional career in various public and private sector organizations or as an entrepreneur and will adopt best practices and contribute in the development of nation.			

C. Suggestions (if any)

NA

Ankit Vaidya

Name & Signature

Pranav

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Alumni Feedback Analysis

1. Purpose

An institution's overall operations can be shaped and improved by paying attention to and comprehending the opinions and feedback of stakeholders. Stakeholder consultation may be ongoing or based on a specific project. The creation of new goods and services typically involves specific project-based consulting. The institution has been able to enhance its processes, procedures, and curriculum thanks to the feedback it receives annually from its different stakeholders.

The college also recognises the contribution alumni make to the success of the college, and as a result, feedback from alumni is solicited about academic support and facilities, student skill and personality development, and initiatives to prepare them for the workforce.

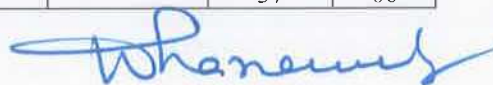
1.1 Alumni feedback

The alumni cell solicits feedback from the alumni on the vision, mission, and program outcomes (POs) of the individual departments as well as the vision and mission of the institute.

Table 1 and Table 2 as well as Figures 1 and 2 exhibit the comments from the alumni. Twelve Program Outcomes (POs) and two Program Specific Outcomes (PSOs) collectively received all alumni feedback, which is displayed in a table and represented graphically.

Table 1. Sum of student feedback from the CSE, IT, ECE, EEE, and ICE branches to alumni on program outcomes.

Sr. No.	Program Outcomes	1	2	3
1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	5	34	66
2	Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.	8	32	60
3	Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	7	37	60



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4	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.	7	25	72
5	Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.	8	34	62
6	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	4	28	72
7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	11	21	71
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	12	28	61
9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	10	29	65
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	9	27	68
11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to	7	26	71



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	manage projects and in multidisciplinary environments.			
12	Lifelong Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.	5	28	71

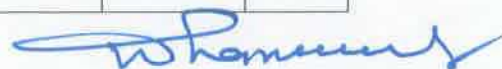
2. Department wise Program Specific Outcomes table

Table 2.1 Sum of alumni feedbacks on Program Specific Outcome for Computer Science Engineering Department

Sr. No.	Program Specific Outcomes	1	2	3
1.	Ability to apply fundamentals of computational mathematics and algorithmic formulations to solve the real-time challenges of computer engineering encountered in research and industry.	1	3	12
2.	Capability to design and develop software and hardware applications using logical, analytical, and programming skills learnt while also following professional and social ethics.	2	4	10

Table 2.2 Sum of alumni feedbacks on Program Specific Outcome for Information Technology Department

Sr. No.	Program Specific Outcomes	1	2	3
1	To provide Information Technology based Solutions into the user environment through current trends, technologies and practices.	0	1	8
2	To provide a platform to obtain a position in area of Information Technology such as researcher, developer, analyst, tester and administrator in both Government and Private sector.	0	2	7



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Table 2.3 Sum of alumni feedbacks on Program Specific Outcome for Electronics and Communication Engineering Department

Sr. No.	Program Specific Outcomes	1	2	3
1	Analysis and Design of circuits for analog and digital systems	4	14	22
2	Identify the role of interfacing devices in communication systems and create a prototype to meet the required functionality.	1	15	24

Table 2.4. Sum of alumni feedbacks on Program Specific Outcome for Electrical and Electronics Engineering Department

Sr. No.	Program Specific Outcomes	1	2	3
1	Graduates will manifest the technical knowledge in the sub-domains of Electrical and Electronics Engineering using modern tools.	0	3	13
2	Graduates will be in a position to analyze, design and simulate various experimentation in the broad areas of Electrical and Electronics Engineering enabling them in providing engineering solutions to the industries and society.	0	4	12



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Table 2.5. Sum of alumni feedbacks on Program Specific Outcome for Instrumentation and Control Engineering Department

Sr. No.	Program Specific Outcomes	1	2	3
1	Students will learn basic concepts of Instrumentation and Control Engineering and will be able to find and apply effective and efficient real time solutions to complex engineering problems related to Instrumentation and control using latest engineering tools.	0	10	2
2	Students will acquire advanced knowledge and training to pursue higher education or professional career in various public and private sector organizations or as an entrepreneur and will adopt best practices and contribute in the development of nation.	0	4	8

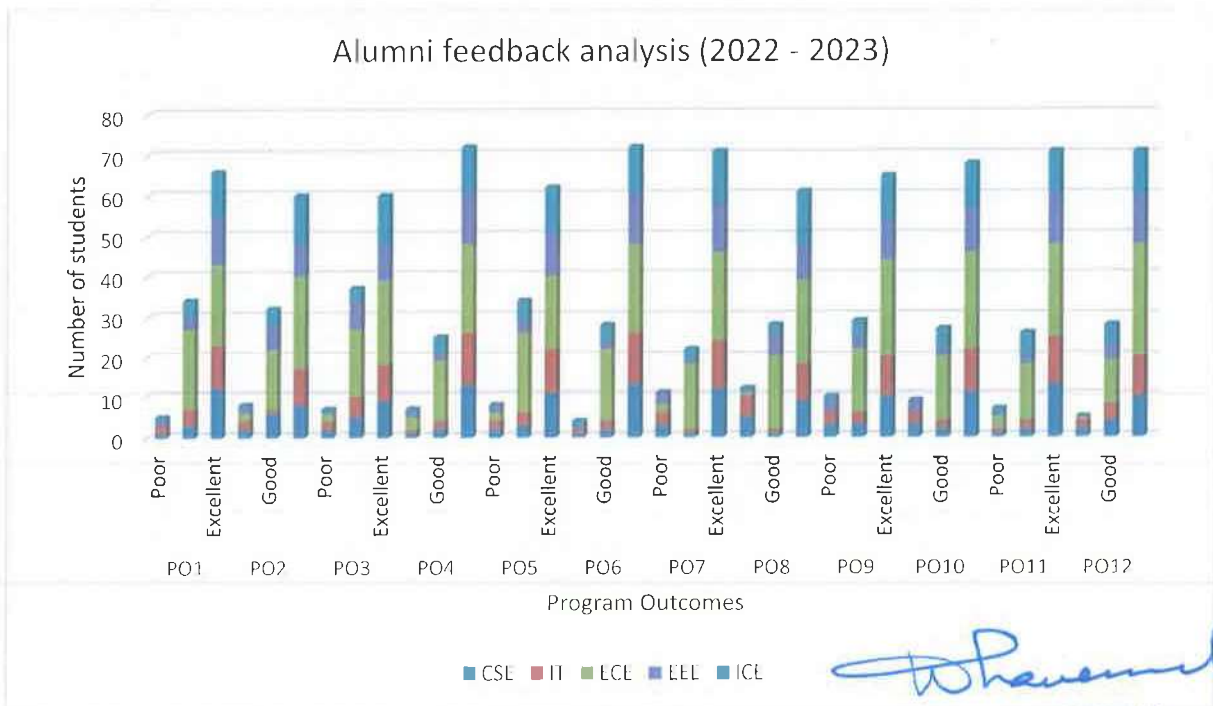



Figure 1. Alumni feedback analysis on Program outcomes for Academic Year 2022-2023


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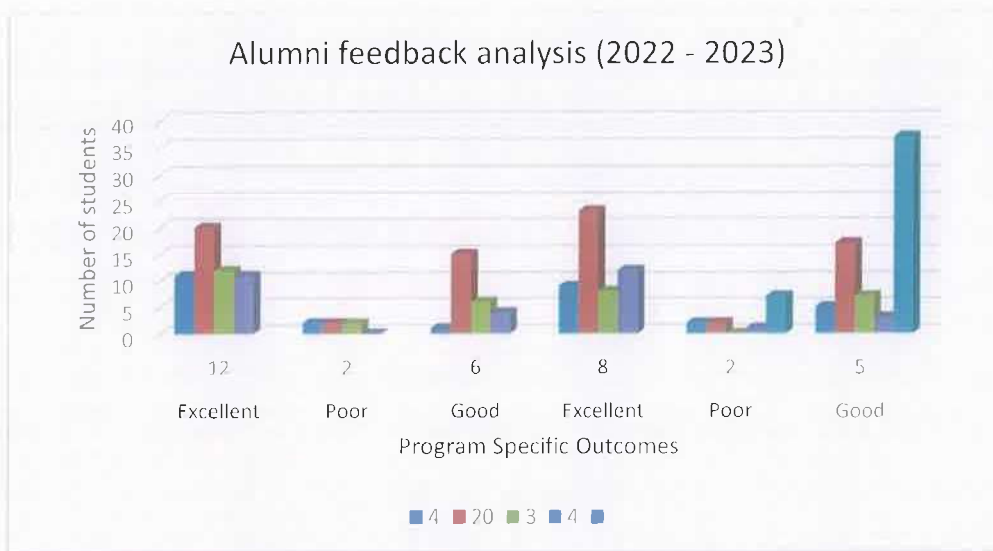


Figure 2. Alumni feedback analysis on Program Specific outcomes for Academic Year 2022 – 2023

The majority of alumni are found to be well-equipped with engineering abilities to meet the expectations of the industry, and the overall scores for the Program outcomes and Program specific outcomes are above good. Program Specific Outcomes demonstrate the alumni's high level of satisfaction. Alumni are pleased with the learning that is applied in real-world situations, the training and placement support, and the satisfaction of skill criteria.

The curriculum, infrastructure, and other aspects of the college are also open to suggestions from alumni. The majority of pupils are quite satisfied with the instruction and content. Alumni who responded and suggested to emphasize on industry-based training and live projects to hone the technical skills of the students

Suggested Action plan

1. College may consider the request and introduce the live project based industry training in in-house summer training course.

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End Of report



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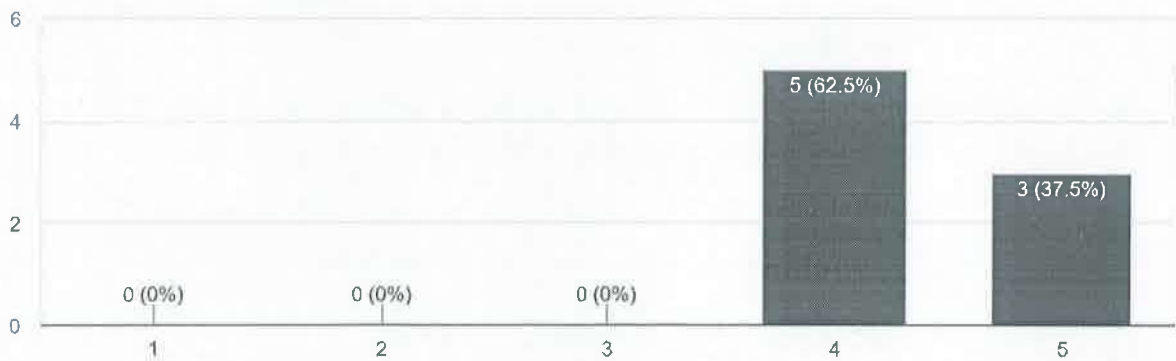
Department Of Information Technology

IT (3rd Year)

Even Semester (AY-22-23)

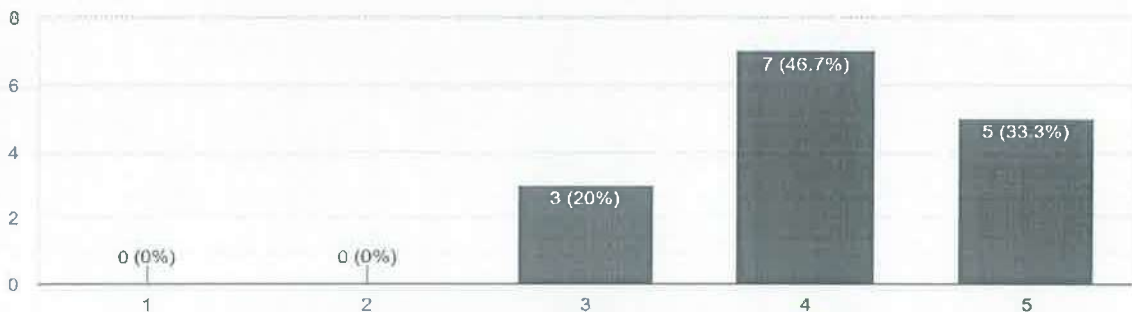
Administration of Discipline (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

8 responses



Quality of Teaching (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

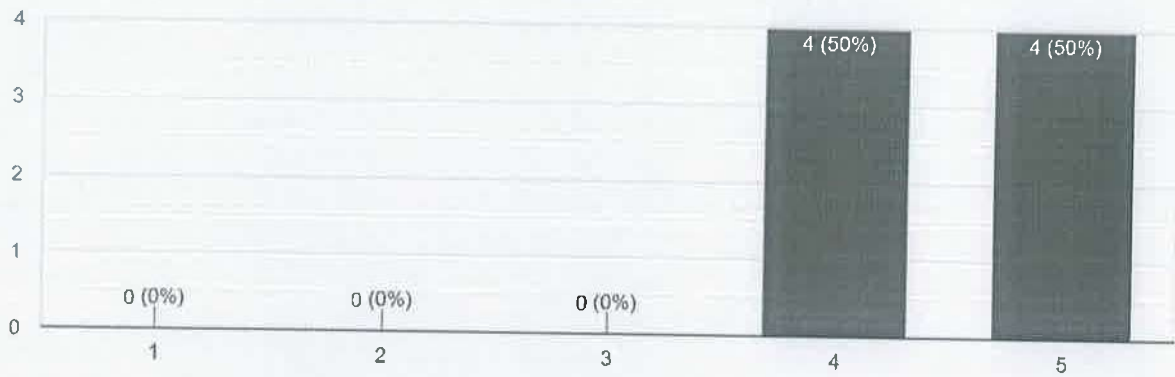
15 responses



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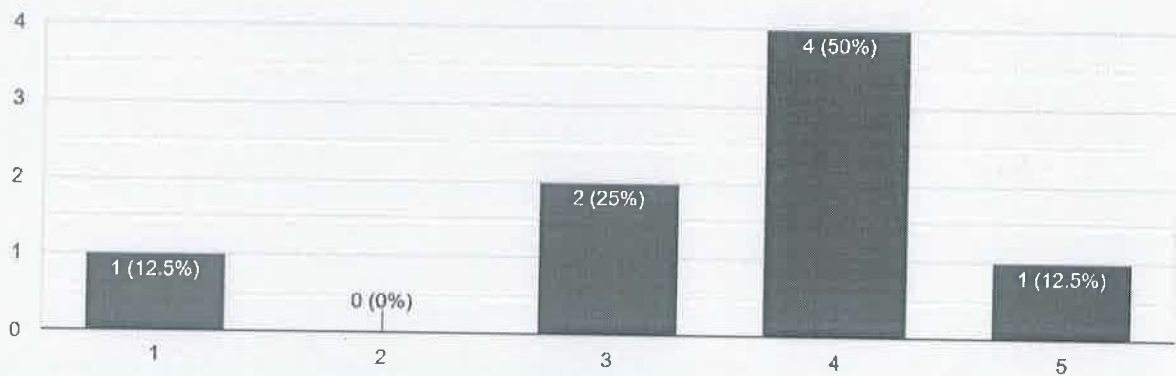
Lab Facilities (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

8 responses



Internet Facility (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

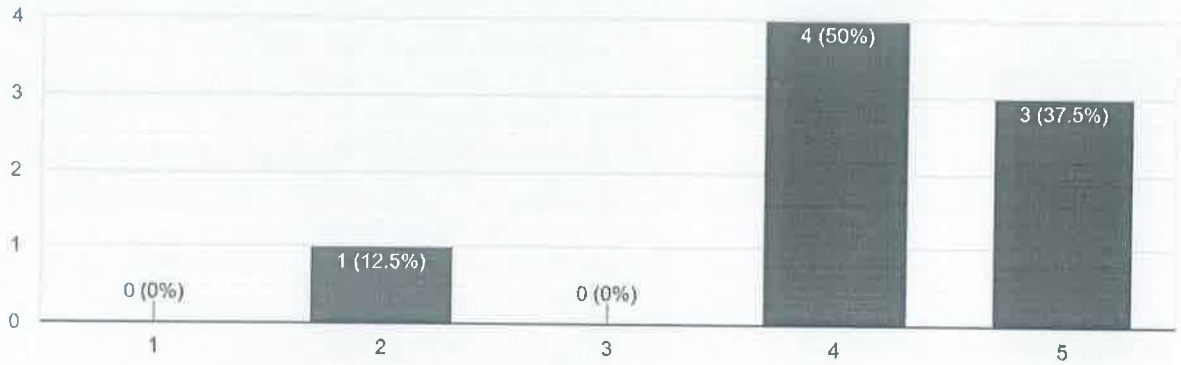
8 responses



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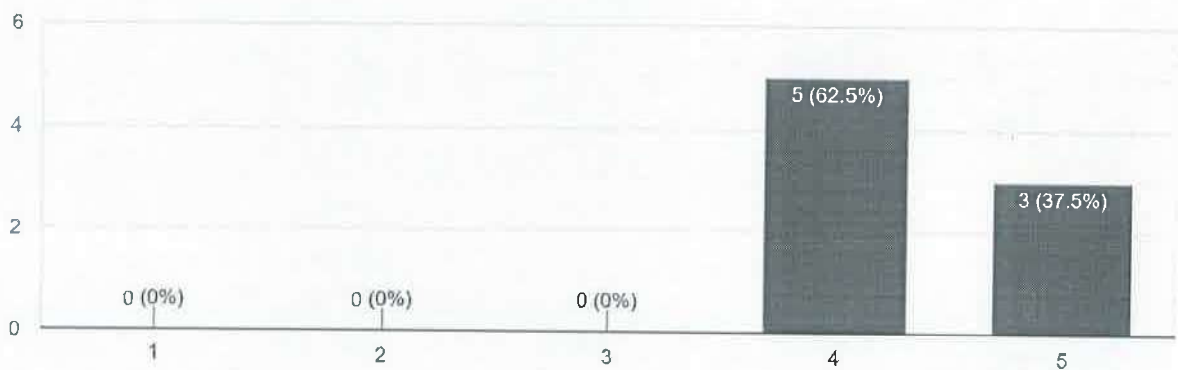
Availability & Willingness of teacher to solve students queries (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

8 responses



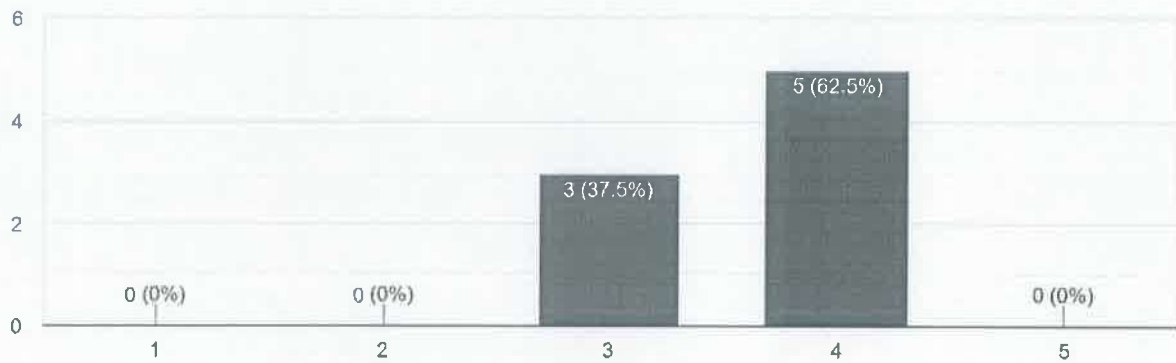
Cleanliness and Ambience (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

8 responses



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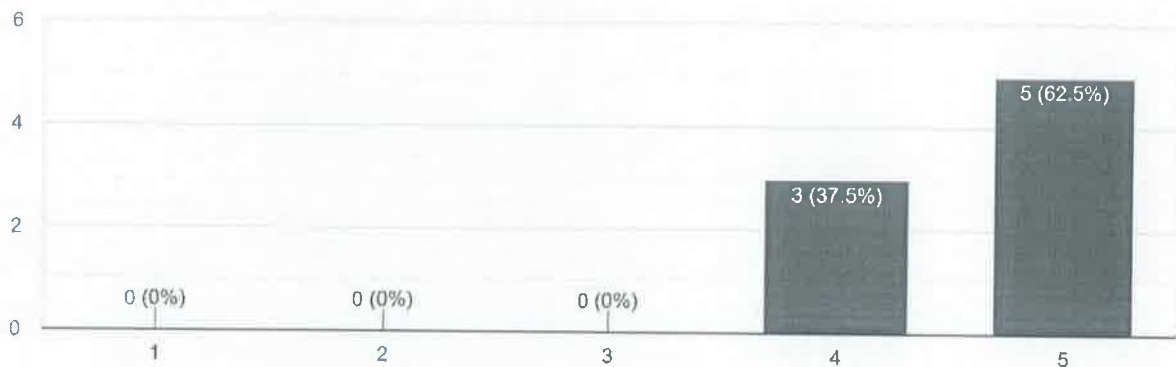
Extra Curricular Activities (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent
8 responses



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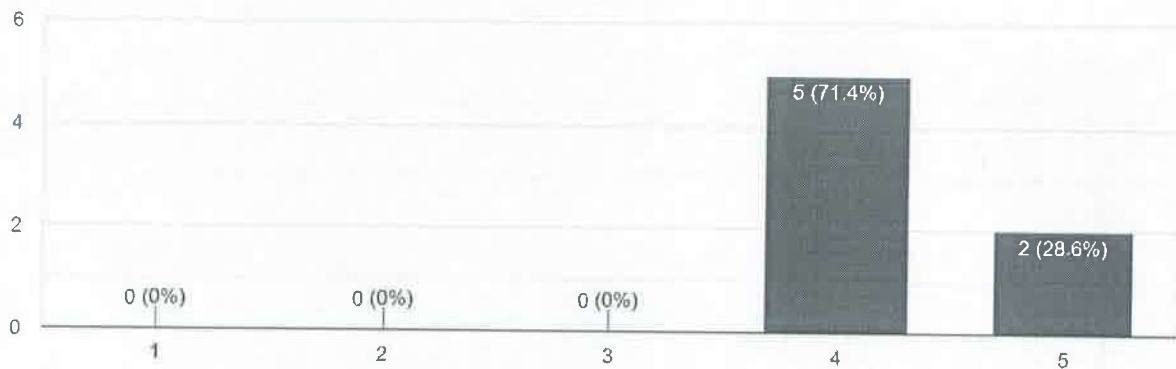
Canteen (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

8 responses



Hostel (Scale 1-5) 1. Poor 2. Needs Improvement 3. Fair 4. Good 5. Excellent

7 responses



Ground timings should be allowed before 4pm as it is difficult for outside Delhi students to practice for sports related activities.

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(An ISO 9001:2008 Certified Institution)

A-4, Paschim Vihar, Main Rohtak Road, New Delhi – 110 063

Ref. No.: BV/COE/ND/MOM/01/2023-24

Date: 10.06.23

**Action Taken Report for the points emerging from the Alumni
Feedback for AY 2022 - 2023**

S. No.	Agenda No.	Agenda-wise decision taken in the meeting	Action Taken
1.	1.1.	More exposure to industry-based training	College has considered the request and introduced industry-based training in the in-house summer training curriculum (brochure is attached for the reference)
		Live projects	Students of EEE department have designed solar powered electric vehicle in the summer in house training program. (Picture of the designed Electric vehicle is attached.)
2.	2.1	Should led some industrial level courses that helps to understand the current trends	Recent/advanced technologies-based training is introduced to equip the students with market needs. (in-house summer training choices offered to the students notice attached)

Neeraj
Dr. Neeraj Kumar
In-charge, Alumni cell

Dharmender Saini
Prof. Dharmender Saini
Principal, BVCOE

Dharmender Saini
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One-Week Short Term Course on

POWER SYSTEM RESTRUCTURING & RENEWABLE ENERGY INTEGRATION (PSRREI) 5.0

(Theme: Modelling and Design of Solar Powered Electric Vehicle)

11th Aug 2023 – 18th Aug 2023

Organized By
Electrical and Electronics Engineering Department



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

A-4, Paschim Vihar, New Delhi-110063

Technical Partner



The Institution of Engineering and Technology (IET)

Training Partner



Principal
Bharati Vidyapeeth's
College of Engineering
A-4 Paschim Vihar,

CHIEF PATRON

Hon. Dr. Vishwajeet Kadam
Secretary, Bharati Vidyapeeth Pune

PATRONS

Prof. (Dr.) Dharmender Saini
Principal
BVCOE, New Delhi

HEAD OF THE DEPARTMENT

Prof. (Dr.) Kusum Tharani

COURSE COORDINATORS

Dr. Sudha K :
+91- 9711436646
(sudha.k@bharativedyapeeth.edu)
Mrs. Shashi Gandhar
+91-9873864878
(shashi.gandhar@bharativedyapeeth.edu)

ORGANIZING COMMITTEE

Prof. (Dr.) Abhishek Gandhar
Mrs. Shashi Gandhar
Dr. Sudha.K
Dr. Sandeep Sharma
Dr. Sandeep Banerjee
Dr. Neeraj Kumar
Dr. Bharat Singh
Dr. Shalabh Kumar Mishra

STUDENT COORDINATORS

Rohan Singhal :+91-9811422393
Akash Chauhan::+91-9205567289

PARTICIPATION

The Short Term Course (STC) is open to full time faculty members of AICTE/UGC recognized degree level engineering colleges/institutions, technical universities and other research/ training institutions. The course is also open to technical staff, research scholars, PG/UG students, practicing engineers and policy makers from utility and industry.

Registration fee:

Internal Participants: No Fee

External Participants: Rs.1000/-

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSd5YM10E_RNEkDFW00YLLMMudKueI5ZLKLnm_ywYNffntUjeDw/viewform

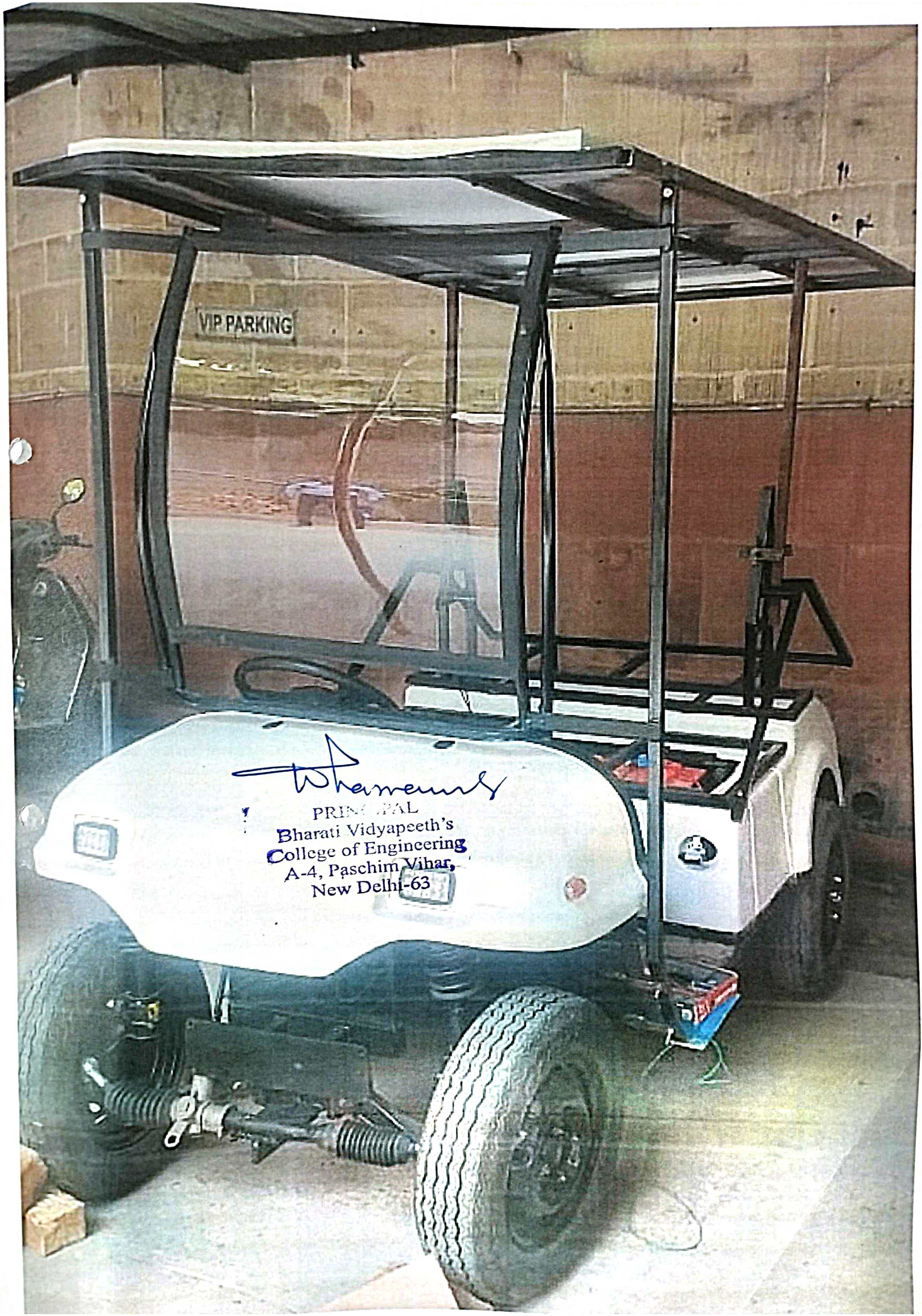
ABOUT THE INSTITUTE

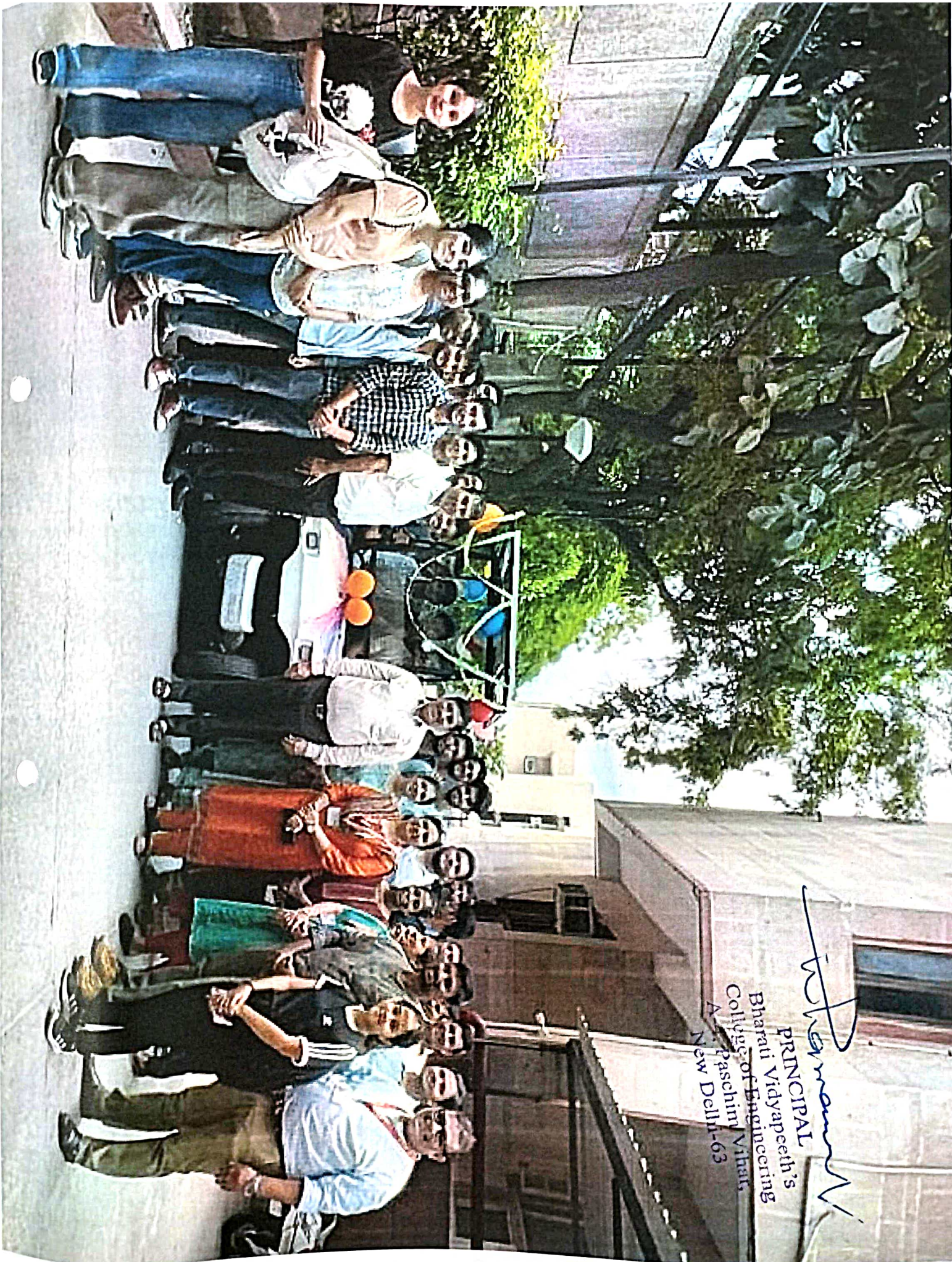
Bharati Vidyapeeth's College of Engineering, New Delhi was established by late Dr. Patang Rao Kadam in 1999. It has strived to provide the best engineering education to its students through well qualified and dedicated faculty members and provision of well-equipped modern labs. The college is affiliated to Guru Gobind Singh Indraprastha University, New Delhi and approved by All India Council for Technical Education (AICTE), Ministry of HRD of India. The college is aligned with the mission "Social transformation through dynamic education" and is therefore committed to attaining global standards where knowledge is the key driving force in the rapidly changing globalized economy. BVCOE provides a platform for budding researchers to achieve their rightful place in the scientific community.

VIP PARKING

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Pranav V
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Anand Paschim Vihar
New Delhi-63

PROJECT – SOLAR ELECTRIC VEHICLE

MODEL



STEPS FOR WORKING (Week 3 & Week 4)

STEP -1 – Design Planning & Concept

1. Explaining the finalized design and components selection, Working Procedure.
2. Gathering of Vehicle Chassis, battery, wheels, motor, Wires, and other accessories at workshop.

STEP -2 – Chassis Fabrication

1. Build or Acquire Suitable Strong Chassis with light weight.
2. Fabrication techniques will apply with consideration – suspension + steering + Braking system.

STEP -3 – Solar Panel Integration

1. Selection of Solar PV Panel according to efficiency, size, weight and position and its installation process with electrical connections.

STEP -3 – Battery Management System

1. Appropriate Batteries for battery bank as per vehicle power requirement and desired range.
2. Install batteries in a secure & accessible location + Weight Distribution.
3. Connection of battery as per required output (series & parallel).

STEP -3 – Electric Motor & Drive Train Assembly

1. Motor Selection for vehicle power + torque requirements.
2. Install it to drive train system (include gears + axles & mechanism- differential).
3. Ensure proper alignment and smooth operation.

STEPS 4 – Control & Electrical System

1. Design & Install – Control System including motor, controllers, power electronic and wiring.
2. Connection with Batteries & components for safety (fuse, CB & etc.)

STEPS 5 – Interior & Exterior Integration

STEPS 6 – Final Testing

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STEPS 7 – Report & Document Submission

- Hardware Project Working will start after mid of 2nd Week.
- Group of 8-10 students will be finalized and assigned different task.
- Basic Knowledge + Calculation + Practical's will be covered in training session; accordingly, task will be assigned in Project Work and reports will be submitted as per task completion.

TRAINING COURSE CONTENT WITH DESCRIPTION

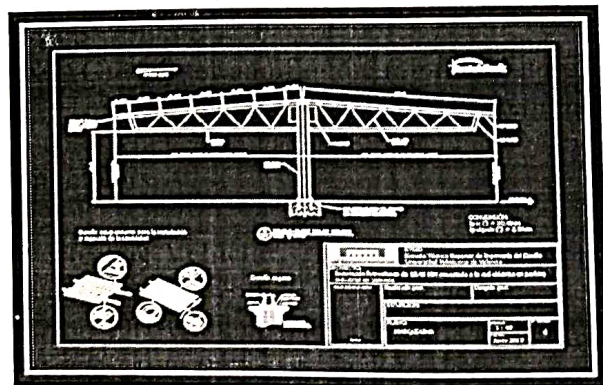
Week (Hour)	Course Content
Week-1 (8-10 Hours)	<p>Introduction on Basic Electrical, Electronics, Power Electronics and Sensors. Introduction of Energy, Solar Power, Renewable Energy Sources. Power scenario in India. Available resources of renewable energy in India. Government Support and subsidy in different renewable energy in India.</p> <p>Mathematical Calculation – Load Calculation, Electricity Bill Calculation.</p>
Week-1 (10-12 Hours)	<p>Sources of solar energy - Thermal & Solar PV. Solar PV system and Application - On grid system, Off grid system, DC load, Solar Pump. Load Calculation. Basic solar energy, PV System components selection, designing and installation, Various scheme, and initiatives of Govt. Introduction to carbon credit, MNRE, SPPA, RREC, JNNISM. PV Module & Structure - PV Panel Designing, Types of Panels & efficiency, Type of Panel on Basis of Mounting.</p> <p>H/W Practical's on Solar PV Panels – Series Parallel Connection of PV Panel with load & without load + With Shadow effect + without Shadow effect, Practical's with same configuration & with different configuration.</p> <p>S/W Designing on PV SYST – It's a software tool helps in design + Simulation + Analysis. Practical's to be done – System Design & Optimization, Performance Analysis, Financial Modelling & System Monitoring & Reporting.</p>
Week-1 (8-10 Hours)	<p>Some other terminologies – Introduction, Design, Working & Process. Net Metering, Smart Grid System, Automatic tracking system, Data Logging and System Monitoring.</p>
Week-2 (8-10 Hours)	<p>Battery & its Storage, Wires & Cables, Meters & Monitors. Inverter & Charge Controller</p> <p>S/W Designing on AutoCAD – It's computer-aided design (CAD) software helps in the design and documentation. Used to design - Precise Design and Visualization, Efficient Drafting and Documentation, Collaboration and Integration, Design Optimization and Analysis and Compliance with Standards and Codes.</p>
Week-2 (8-10 Hours)	<p>Introduction: Inverter & CC, type of Inverters, operation, make and specifications. Basic Terminologies of an Inverter and Characteristics, Factors affecting inverter</p>

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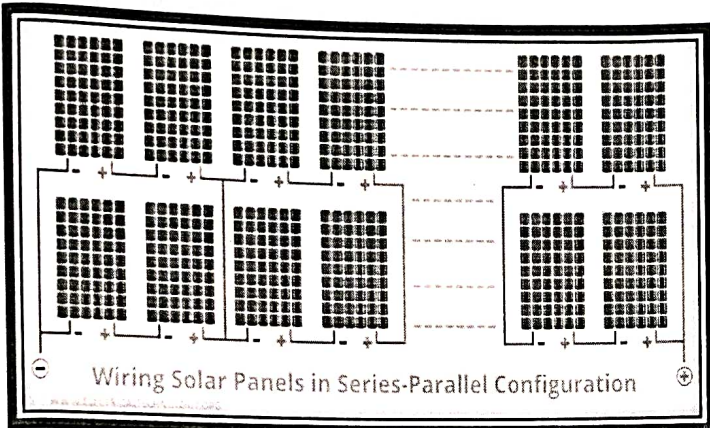
	operation and Selection Criteria, Testing standards for inverters, Inverter Array Sizing.
Week- 2 (8-10 Hours)	<u>H/W - Plant Installation Procedure</u>
Week- 3 (2-3 Hrs Training Session) (3-4 Hrs Project Work)	Electric Vehicles fundamentals - Introduction, Vehicle dynamics – Roadway fundamentals, vehicle kinetics, Dynamics of vehicle motion - Propulsion System Design. IC engine versus EVs.
Week- 3 (2-3 Hrs Training Session) (3-4 Hrs Project Work)	MATLAB Designing – Solar PV Plant & Electric Vehicle MATLAB is a powerful software tool used in various engineering and scientific fields, including the design and analysis. Mainly used for Modelling and Simulation, Control System Design, Battery Management and Optimization, Power Electronics and Electric Drives and Data Analysis and Visualization.
Week- 3 (2-3 Hrs Training Session) (3-4 Hrs Project Work)	Battery Basics - Types, Parameters – Capacity, C-rate, State of Charge (SOC), Depth of Discharge (DOD). Technical characteristics of Lithium Ion and Lead-Acid batteries. Battery pack Design, Thermal issues in batteries. Practical's - Solar Robot Hardware Designing
Week- 4 (2-3 Hrs Training Session) (3-4 Hrs Project Work)	Electrical Machines (DC & AC) - Motor and Engine rating, Requirements, DC machines (BLDC & BDC), Three phase A/c machines, Induction machines, permanent magnet machines, switched reluctance machines. Motor Power controllers. Thermal issues in motors.
Week- 4 (2-3 Hrs Training Session) (3-4 Hrs Project Work)	Solar Powered & Hybrid Electric Vehicles - Layout, advantage, limitations, Specifications and System component. Hybrid Types – series, parallel and mild parallel configuration – Design – Drive train, sizing of components. Practical's – Designing + Working on Autonomous Vehicle (Sensors, Actuators, Motors, Development Platform, etc.)

MORE AUTOCAD DESIGNS

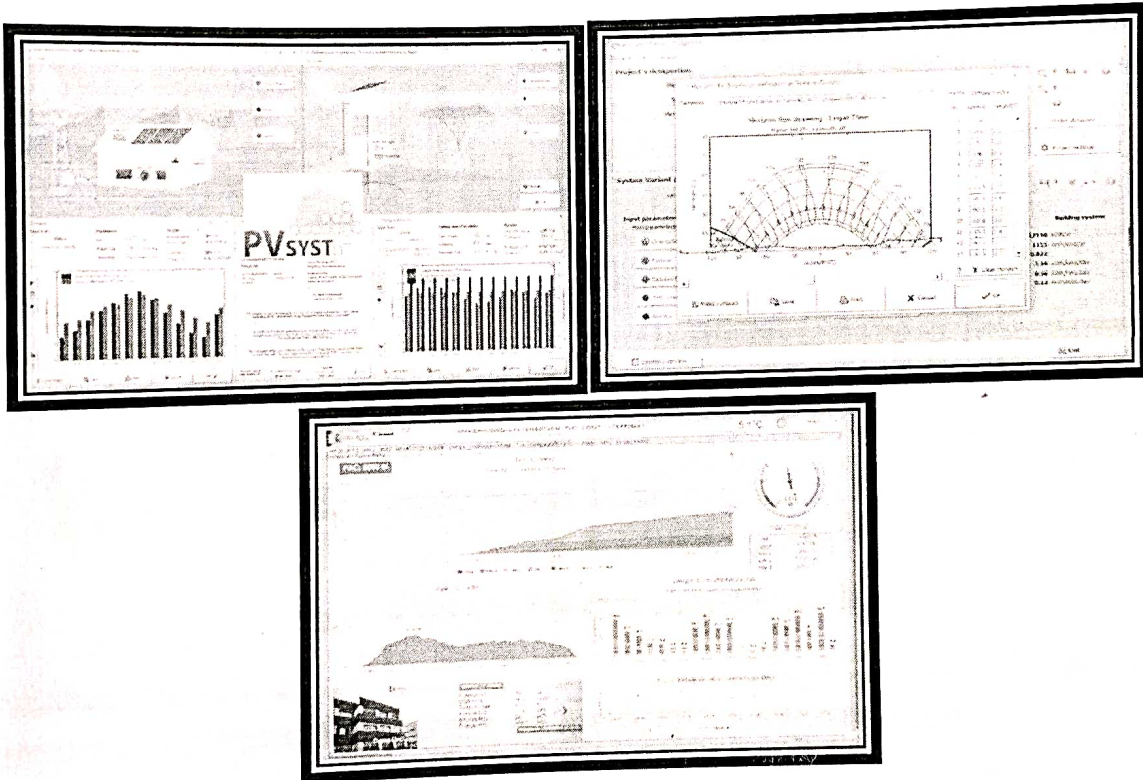


WIRING PRACTICALS – SOLAR PV PRACTICALS

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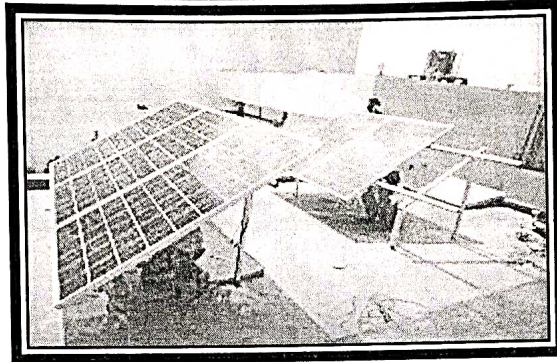
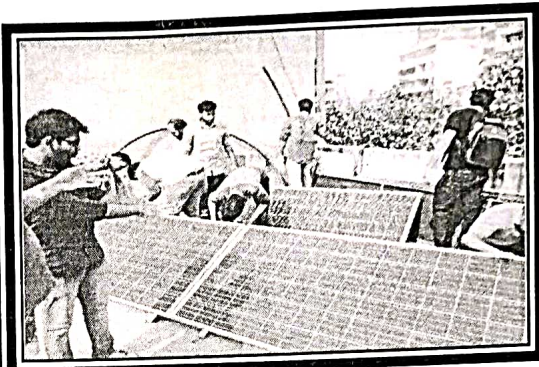
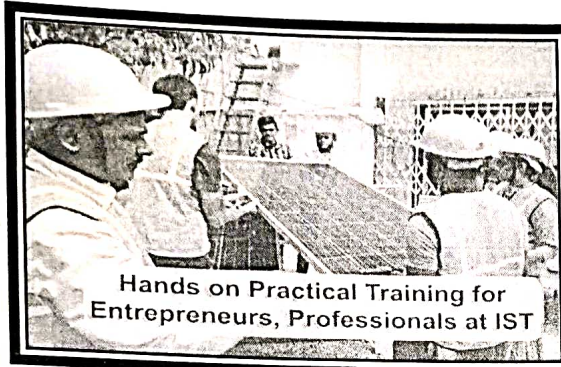


MORE PV SYST DESIGN

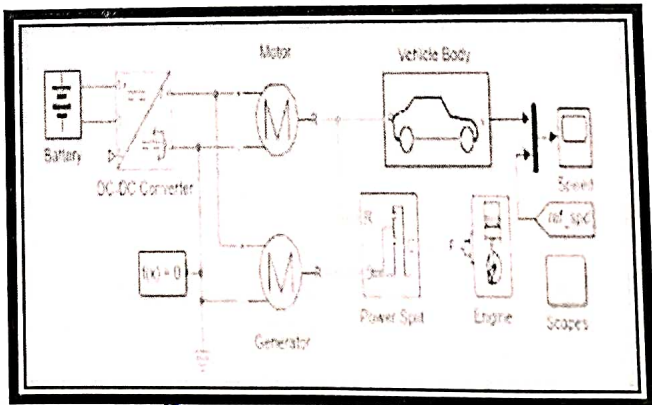
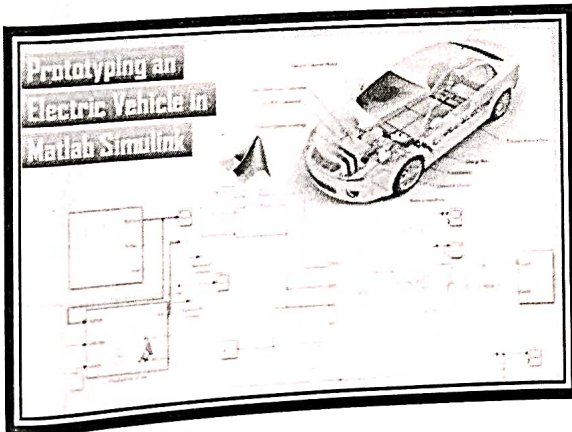
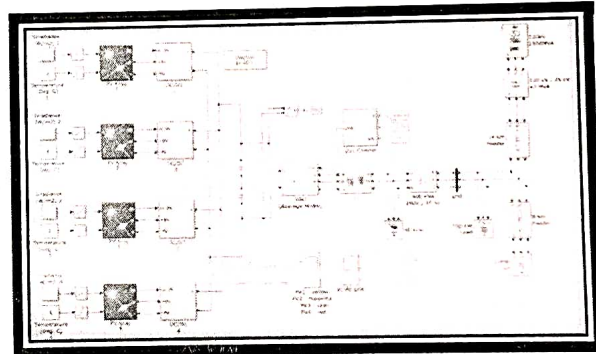
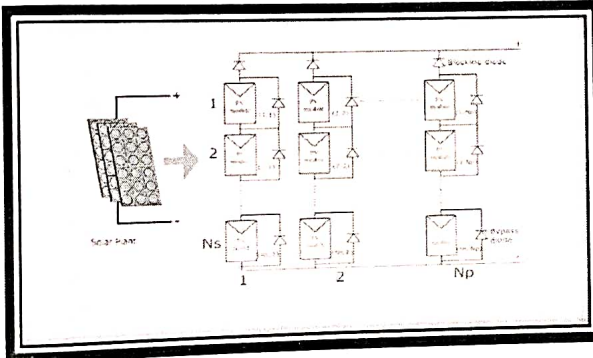


SOLAR PLANT INSTALLATION

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MATLAB SIMULINK



Whamur

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Training & Placement Department

Date: 06.06.2023

This is to inform all the students of present 2nd year (2024 batch) as per the academic curriculum after the forthcoming End Term Examinations, all of you need to undergo In- House Summer Training.

The Five-week Training Program would start at our college from 25th July 2023 (Tentative). All the students are to make choice for the Summer Training from the list of the programs mentioned below:

Sl. No.	Name of the Training Program	In Charge of the Program	Available for the students of following departments	Training Fee (Rs.)
1	Advanced Data Structure and algorithm (DSA) By Coding Ninjas	Ms. Surinder kaur (CSE)	All Departments	5,000
2	Cyber Security	Mr. Mohit Tiwari (CSE)	All Departments	5,000
3	Embedded system By ST Microelectronics	Dr. Jolly Parikh	All Departments	5,000
4	Amba AHB bus protocol and it's HDL implementation By 3ST Technologies Pvt Ltd	Dr. Manoj Sharma (ECE)	All Departments	5,000
5	Solar Integrated Electric Vehicle Technology	Dr. Sudha K (EEE)	EEE, ECE & ICE	5,000
6	MERN By Brain Mentors	Dr. Sandeep Sharma (EEE)	All Departments	5,000
7	AI, ML & DL using Python	Dr. Arun K. Dubey	All Departments	5,000
8	Advanced Business Application Programming (SAP ABAP)	Dr. Ajay Dureja	All Departments	5,000

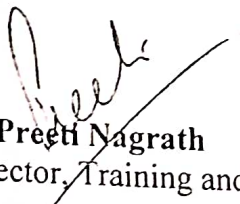
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9	Data Science with Python By Veeyo Tech	Dr. Sandeep Sharma (EEE)	All Departments	5,000
10	Internet of Things with Python and Intro to Data Analysis By Robotics Services LLP	Ms Shikha (ECE)	All Departments	5,000
11	Introduction to Block-Chain with Python by Veeyo Tech	Dr. Sandeep Sharma (EEE)	All Departments	5,000


Each student is to make three choices of programs according to the order of preference. The College shall make best efforts to offer each student, the Training Program of their 1st choice, however, due to certain limitations, same cannot be guaranteed. Any program may be withdrawn, if the number of students registered for the same is very low.

The students are advised to contact respective HOD/ Class Advisor for the formalities of making choice of the program. The Program In Charges may be contacted for the detail and the benefits of each program.

Students are also advised to make the payment of Training Fee, as per the detail above. The Admin Office may be contacted for making payment of the Fee.


Dr. Preeti Nagrath
 (Director, Training and Placement)

cc: The Principal/ All HODs/ Admin Office


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