Yadavindra College of Engineering,

Punjabi University, Guru Kashi Campus, Talwandi Sabo

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FACULTY RESEARCH GUIDANCE

Ph.D. Awarded Candidates

S. No.	Supervisor	Co- Supervisor (If any)	Name of Candidate	Thesis Title	Completion Date	Subject/ Department	Faculty
1	Hazoor Singh Sidhu	Buta Singh Sidhu	Sukhpal Singh Chatha	POST TREATMENT OF THERMAL SPRAY COATINGS FOR IMPROVING THEIR CORROSION RESISTANCE AT HIGH TEMPERATURE	2012	Mechanical Engineering	Engg. & Technology
2	Hazoor Singh Sidhu	Buta Singh Sidhu	Rakesh Bhatia	DEVELOPMENT OF EROSION CORROSION RESISTANT HVOF SPRAYED CR3 C2-NICR COATINGS FOR BOILER TUBE STEELS OPERATING AT ELEVATED TEMPERATURES	12-11-2013	Mechanical Engineering	Engg. & Technology
3	Hazoor Singh Sidhu	Harpreet Singh	Tejinder Pal Singh Sarao	IN-VITRO CORROSION STUDIES OF BIOACTIVE COATINGS ON SOME BIOMEDICAL IMPLANT MATERIALS	12-11-2013	Mechanical Engineering	Engg. & Technology
4	Hazoor Singh Sidhu	Buta Singh Sidhu	Gurpreet Singh	FABRICATION & CHARACTERIZATION IN VITRO OF THERMAL SPRAYED HA/SiO2/CaP COATINGS FOR BIOMEDICAL APPLICATIONS	07-03-2014	Mechanical Engineering	Engg. & Technology
5	Hazoor Singh Sidhu	Rakesh Bhatia	Khushdeep Goyal	HIGH TEMPERATURE DEGRADATION BEHAVIOUR OF THERMAL SPRAYED CARBON NANOTUBES REINFORCED COATINGS ON BOILER STEEL	22-01-2019	Mechanical Engineering	Engg. & Technology
6	Niraj Bala	Gagandeep Kaushal	Sachpreet Singh	ROLE OF SURFACE PREPARATION OF MEGNESIUM BASED ALLOYS ON HVOF SPRAYED COATINGS AND THEIR TRIBOLOGICAL STUDIES	28-05-2019	Mechanical Engineering	Engg. & Technology (PTU, Jalandhar)
7	Jagtar Singh	Harminder Singh Bindra	Swati	DESIGN AND IMPLEMENTATION OF SECURITY CONTEXT AWARE ROUTING PROTOCOL FOR DELAY TOLERANT NETWORKS	20-12-2019	Computer Science & Engineering	Engg. & Technology

8	Deepak Kumar	Gagandeep	Mithlesh	DEVELOPMENT OF HVOF-SPRAYED AND	25-04-2020	Mechanical	Engg. &
	Goyal	Kaushal	Sharma	ADHESIVE COATINGS FOR SLURRY EROSION		Engineering	Technology
				RESISTANCE			(PTU,
							Jalandhar)

Ph.D. Registered Candidates

S. No.	Supervisor	Co- Supervisor (If any)	Name of Candidate	Thesis Title	Registration Date	Subject/ Department	Faculty
1	Hazoor Singh	Gurpreet	Kulbir Singh	SURFACE MODIFICATIONS OF NON-FERROUS	29-08-2014	Mechanical	Engg. &
	Sidhu	Singh	Sandhu	ALLOYS WITH FRICTION STIR PROCESSING		Engineering	Technology
2	Sukhpal	Hazoor	Jarnail Singh	CHARACTERIZATION AND CORROSION	27-04-2015	Mechanical	Engg. &
	Singh Chatha	Singh Sidhu		BEHAVIOR OF THERMAL SPRAYED BIOCERAMIC		Engineering	Technology
				COATINGS DEPOSITED ON TITANIUM BASED			
				ALLOY			
3	Sukhpal	Hazoor	Roshan Lal	PERFORMANCE EVALUATION OF NANOFLUIDS	27-04-2015	Mechanical	Engg. &
	Singh Chatha	Singh Sidhu	Virdi	IN MINIMUM QUANTITY LUBRICATION GRINDING		Engineering	Technology
4	Rakesh	Hazoor	Sandeep	EROSION-CORROSION BEHAVIOUR OF	22-08-2016	Mechanical	Engg. &
	Bhatia	Singh Sidhu	Kumar	THERMAL SPRAYED CARBON NANOTUBES REINFORCED COATINGS ON BOILER TUBE STEEL		Engineering	Technology
5	Hazoor Singh	Sukhpal	Lakhveer Singh	BEHAVIOR OF NICKEL-CHROMIUM ALLOY	30-08-2016	Mechanical	Engg. &
	Sidhu	Singh		BASED THERMALLY SPRAYED COATING FOR		Engineering	Technology
		Chatha		HIGH TEMPERATURE AGGRESSIVE ENVIRONMENT			
6	Hazoor Singh	Sukhpal	Amrit Pal	PERFORMANCE OF MINIMUM QUANTITY	30-08-2016	Mechanical	Engg. &
	Sidhu	Singh		LUBRICATION TECHNIQUE IN DRILLING OF		Engineering	Technology
		Chatha		STAINLESS STEEL			
7	Gurpreet	Hazoor	Puneet Bansal	INVESTIGATION OF IN-VITRO CORROSION	30-08-2016	Mechanical	Engg. &
	Singh	Singh Sidhu		BEHAVIOUR OF METALLIC IMPLANTS PLASMA		Engineering	Technology
				SPRAYED WITH HYDROXYAPATITE/			
				HYDROXYAPATITE-CARBON NANO TUBES/			
				HYDROXYAPATITE-STRONTIUM/			
				HYDROXYAPATITE-ZINE OXIDE COATINGS			

8	Gurpreet Singh	Hazoor Singh Sidhu	Ripandeep Singh	INVESTIGATION OF HOT CORROSION BEHAVIOUR OF NICKEL BASED SUPERALLOYS COATED WITH NICr, ROCDURE 625 AND INCONEL 625 COATINGS IN SIMULATED AND ACTUAL INCINERATOR ENVIRONMENTS	30-08-2016	Mechanical Engineering	Engg. & Technology
9	Hazoor Singh Sidhu	Buta Singh Sidhu	Munish Kumar	STUDY OF THE SLURRY EROSION BEHAVIOUR OF CRYOGENICALLY TREATED STAINLESS STEEL	30-12-2016	Mechanical Engineering	Engg. & Technology
10	Sukhpal Singh Chatha	Buta Singh Sidhu	Harkulvinder Singh	CHARACTERISATION AND CORROSION BEHAVIOUR OF RARE EARTH ELEMENTS ADDED CHROMIUM CARBIDE-NICKLE CHROME COATINGS	27-04-2015	Mechanical Engineering	Engg. & Technology
11	Sukhpal Singh Chatha	Buta Singh Sidhu	Jagseer Singh	SURFACE MODIFICATION TECHNIQUES TO IMPROVE ABRASION WEAR RESISTANCE OF TILLAGE EQUIPMENTS	27-04-2015	Mechanical Engineering	Engg. & Technology
12	Sushil Kumar	-	Harleen Kaur	GENDER AND CLASS IN THE TURBULENT PUNJAB OF 1970s TO 90s:INTERPRETING SELECTED FICTION AND CINEMA	26-08-2015	Department of English	Languages
13	Gagandeep Kaushal	-	Rajan Verma	SURFACE ENGINEERING ON NI-BASED ALLOYS BY HIGH VELOCITY OXY FUEL (HVOF) SPRAYING AND LASER ASSISTED ADDITIVE MANUFACTURING (LAAM) FOR CORROSIVE APPLICATIONS	19-02-2016	Mechanical Engineering	Engg. & Technology
14	Gagandeep Kaushal	Tejinder Singh Sandhu	Gurdip Singh	COMPOSITIONAL MODIFICATION OFIRON BASED ALLOYS BY DIRECT METAL LASER SINTERING AND D-GUN SPRAYING FOR WEAR BASED APPLICATIONS	19-02-2016	Mechanical Engineering	Engg. & Technology
15	Balraj Singh Brar	-	Manmeet Shergill	DEVELOPMENT AND INVESTIGATIONS IN THERMAL ABRASIVE FLOW MACHINING (Th-AFM) PROCESS EMPLOYING DIFFERENT ABRASIVE LADEN MEDIA	30-08-2016	Mechanical Engineering	Engg. & Technology
16	Balraj Singh Brar	-	Som Kumar	EXPERIMENTAL INVESTIGATIONS IN THE ELECTROCHEMICAL AND MAGNETIC AID TO HELICAL ABRASIVE FLOW MACHINING PROCESS	27-09-2016	Mechanical Engineering	Engg. & Technology
17	Balraj Singh Brar	-	Karamjit Singh	DEVELOPMENT AND INVESTIGATIONS IN MAGNETIC ASSISTED HELICAL ABRASIVE FLOW MACHINING PROCESS	27-09-2016	Mechanical Engineering	Engg. & Technology

18	Jagtar Singh	_	Sunita Rani	_	22-02-2017	Electronics &	Engg. &
10	Jagtar Siligii	-	Suille Rail	-	22-02-2017	Comm. Engg.	Technology
19	Jagtar Singh	-	Manpreet Kaur	-	22-02-2017	Electronics & Comm. Engg.	Engg. & Technology
20	Vishal Goyal	Simpel Rani	Neetika	LANGUAGE IDENTIFICATION AND NORMALIZATION OF CODE MIXED ENGLISH AND PUNJABI TEXT	08-08-2017	Computer Science	Computing Sciences
21	Pardeep Kumar	-	Parvinkal Singh	EFFECT OF SEVERE PLASTIC DEFORMATION ON HIGH VELOCITY OXY-FUEL CERMET COATING TO IMPROVE EROSION RESISTANCE	29-08-2017	Mechanical Engineering	Engg. & Technology
22	Balraj Singh Brar	-	Taranveer Singh	DEVELOPMENT AND EXPERIMENTAL INVESTIGATIONS IN ABRASIVE LADEN ORGANIC MEDIA FOR ABRASIVE FLOW MACHINING PROCESS	30-08-2017	Mechanical Engineering	Engg. & Technology
23	Ashwani Kumar	-	Gurwinder Kaur	DEVELOPING AN IMPROVED NO-REFERENCE BLUR DETECTION ALGORITHM FOR DISTORTED IMAGES	30-08-2017	Electronics & Comm. Engg.	Engg. & Technology
24	Sushil Kumar	-	Gurpreet Kaur	A STUDY OF PAUL THEROUX'S SELECTED TRAVELOGUES	05-09-2017	Department of English	Languages
25	Mukesh Kumar Thakar	Navdeep Goel	Lovepreet Kaur	FACIAL RECOGNITION FROM CCTV FOOTAGES UNDER DIFFERENT CONDITIONS	07-12-2017	Department of Forensic Science	Physical Sciences
26	Simpel Rani	Parminder Singh	Manjot Kaur Gill	DEVELOPMENT OF DIALECT IDENTIFICATION SYSTEM FOR PUNJABI SPEECH	14-03-2018	Computer Science & Engineering	Engg. & Technology
27	Jagtar Singh	Rajni	Navneet Kaur	A COMPACT METASURFACE BASED PLANAR RECONFIGURABLE ANTENNA FOR WIRELESS APPLICATIONS	28-08-2018	Electronics & Comm. Engg.	Engg. & Technology
28	Jagtar Singh	-	Sandeep Singh	DESIGN AND ANALYSIS OF WEARABLE HYBRID FRACTAL ANTENNA FOR WIRELESS APPLICATIONS	28-08-2018	Electronics & Comm. Engg.	Engg. & Technology
29	Sushil Kumar	-	Gurpreet Singh	FICTIONAL REPRESENTATION OF SOCIAL, CULTURAL AND ECONOMIC TRANSFORMATION IN NORTH INDIAN RURAL SOCIETY: A STUDY OF SELECTED NOVELS	29-08-2018	Department of English	Languages

Bal Krishan - Navtej Singh Ghuman DEVELOPMENT OF MOTOR IMAGERY TASKS 04-09-2018 Computer Science & Engl. & Technology ESTIMATION TECHNIQUE IN BRAIN-COMPUTER INTERFACE USING MACHINE LEARNING 11-09-2018 Engl. & Technology Engineering Technology Engineering Technology Engineering Technology Tech								
INTERFACE USING MACHINE LEARNING	30	Bal Krishan	-	, ,		04-09-2018	•	
Bal Krishan				Ghuman	ESTIMATION TECHNIQUE IN BRAIN-COMPUTER		Science &	Technology
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COMPUTING Engineering Engineering Engineering Engineering Physical Sciences Priti Bansal Dhiraj Sud Jitesh Kumar PERSISTENCE, DEGRADATION AND 24-09-2018 Department of Chemistry Sciences FROM SOIL AND WATER Synthesis, CHARACTERIZATION AND CRYSTAL 24-09-2018 Department of Chemistry Sciences Sciences Sciences Sciences Sciences Sciences Structural St	31	Bal Krishan	-	Vaneet Kumar	DEVELOPMENT OF ENERGY EFFICIENT VIRTUAL	11-09-2018	Computer	Engg. &
Priti Bansal Dhiraj Sud Jitesh Kumar PERSISTENCE, DEGRADATION AND MINERALIZATION STUDIES OF INSECTICIDES Physical Sciences Physical					MACHINE MIGRATION APPROACH IN CLOUD		Science &	Technology
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Priti Bansal Anju Saini Pooja Gupta SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURAL STRUCTURAL STUDIES OF NOVEL COPPER (II) 24-09-2018 Department of Chemistry Sciences					MINERALIZATION STUDIES OF INSECTICIDES		of Chemistry	Sciences
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Singh Chatha Bhatia QUANTITY COOLING LUBRICATION MACHINING OF MEDIUM CARBON STEEL					DIGITAL IMAGE		Comm. Engg.	Technology
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Sukhwinder Singh Sran - Manpreet Kaur DEVELOPMENT OF AN IMPROVED COLLISION FREE TECHNIQUE FOR MISSING DEMENTIA PATIENTS USING RFID ENABLED MOVING VEHICLES Simpel Rani Gurpreet Singh Lehal Navdeep Goel - Guresh Pal Singh Sing		Singh Chatha	Bhatia		QUANTITY COOLING LUBRICATION		Engineering	Technology
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Simpel Rani Gurpreet Harpal Singh IMPROVED TECHNIQUES FOR RECOGNITION OF Singh Lehal Harpal Singh HISTORICAL GURMUKHI MANUSCRIPTS Science Sciences Sciences Science		Singh Sran			FREE TECHNIQUE FOR MISSING DEMENTIA		Science &	Technology
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40 Navdeep Goel - Guresh Pal Singh DEVELOPMENT OF AN APPROACH FOR SECURE 19-09-2019 Computer Science & Technology Engineering 19-09-2019 C	39	Simpel Rani	•	Harpal Singh	·	25-04-2019	•	
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41 Meenakshi - Gurbakhsis - Enrolled Computer Computing		Goel		Singh	IMAGE STEGANOGRAPHY		Science &	Technology
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		Bansal		Singh		14-06-2019	Science	Sciences

42	Navdeep	-	Swimpy Pahuja	-	Enrolled	Computer	Engg. &
	Goel				26-07-2019	Science &	Technology
						Engineering	
43	Sukhwinder	-	Amarjeet Singh	-	Enrolled	Computer	Engg. &
	Singh Sran					Science &	Technology
						Engineering	
44	Sukhwinder	-	Sarbjeet Kaur	-	Enrolled	Computer	Engg. &
	Singh Sran					Science &	Technology
						Engineering	
45	Sukhwinder	Meenakshi	Ramanpreet	-	Enrolled	Computer	Engg. &
	Singh Sran	Bansal	Singh			Science &	Technology
						Engineering	
46	Meenakshi	Sukhwinder	Navroop Kaur	-	Enrolled	Computer	Engg. &
	Bansal	Singh Sran				Science &	Technology
						Engineering	
47	Simpel Rani	Meenakshi	Tejinder Singh	-	Enrolled	Computer	Engg. &
		Bansal				Science &	Technology
						Engineering	